

Chapter Summaries

HRG4+ 2025/26 Local Payment Grouper



Published February 2025 v1.0



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Introduction

This document provides an overview of the scope, composition and relevant grouping logic of individual HRG subchapters, and highlights the most significant changes that have been implemented in the latest HRG4+ Local Payment design.

For further details regarding the constituent elements that contribute to HRG grouping, reference data such as the ICD-10 and OPCS-4 codes used in the design, procedure and diagnosis hierarchies relevant to a specific design, and the Complication and Comorbidities (CC) lists for HRG subchapters, please see the Code to Group Excel file that accompanies each Grouper release.

Unless otherwise specified, any comparison between HRG designs in this document refers to those made between the HRG4+ 2025/26 Local Payment Grouper and the previous HRG4+ 2024/25 Local Payment Grouper.

Subchapter AA – Nervous System Procedures and Disorders

Subchapter **AA Nervous System Procedures and Disorders** covers procedures for patients of all ages, and the treatment of nervous system disorders in adults. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include percutaneous procedures on the nervous system, which map to Subchapter **YA Neurological Imaging Interventions**, nor intradural spinal procedures, which map to Subchapter **HC Spinal Procedures and Disorders**.

The majority of procedures performed on peripheral nerves do not map to this subchapter.

The neurosurgery HRGs in this subchapter (**AA5***) are separated based on the expected complexity of the procedures, into a maximum of 7 levels (minimal, minor, intermediate, major, very major, complex and very complex).

In addition, there are HRGs for specific high-cost specialised activity, such as the insertion of neurostimulators and intrathecal drug delivery pumps, stereotactic radiosurgery and intracranial telemetry.

- There is specific logic on the neurostimulator HRGs. When the primary diagnosis is indicative of faecal incontinence, urinary incontinence, or a pain disorder, or where a primary diagnosis code relating to a complication or adjustment of neurostimulator (alongside a secondary diagnosis indicating 1 of these conditions) is recorded, the activity maps to the appropriate HRGs in Subchapters **FF Digestive System Open and Laparoscopic Procedures**, **LB Urological and Male Reproductive System Procedures and Disorders** and **AB Pain Management**, respectively.
- The stereotactic radiosurgery HRGs are differentiated based on the reason for treatment, whether for arteriovenous malformation (AVM) or other (predominantly cancer).

The remaining procedure-driven HRGs are specific to neuropsychology and neurophysiology tests, with HRGs for EEG, EMG and nerve conduction studies, and sleep studies.

- The long-term EEG monitoring HRGs are separated into standard and complex, with both requiring a length of stay of a week or less. The complex HRG is reached where an additional procedure code indicating sleep studies is recorded, or where a primary diagnosis code indicating an underlying neurological disorder is recorded.

Some activity with a dominant procedure mapped to an HRG root in this subchapter maps to an HRG in Subchapter **AB Pain Management** where either Treatment Function Code (TFC)

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	101	101
Total HRG Roots	29	29
Procedure-driven HRGs	51	51
Diagnosis-driven HRGs	50	50
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

191 Pain Management Service or **241 Paediatric Pain Management Service** is recorded, or where the primary diagnosis indicates that the patient is undergoing treatment as part of a Pain Management Programme.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by many of the procedure-driven HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 3 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic uses a scoring system which escalates activity to a higher resource HRG when a specific procedure score is reached. For this subchapter, the escalation logic uses the **AA_Proc_List**, which contains neurosurgical procedures; neurological imaging interventions; head, neck, sinus, mouth and throat procedures; maxillofacial procedures; spinal procedures; and certain skin procedures. Each procedure on the list has a value based on its expected resource use. These values, including that of the dominant procedure, are used to calculate the procedure score that triggers escalation.

- For example, where a Major dominant procedure with a value of 3 on the **AA_Proc_List** is recorded with another Major procedure with a value of 3 on the **AA_Proc_List**, the procedure score is 6. As a procedure score of at least 5 is required to escalate activity to the Very Major HRGs, this activity escalates up 1 level. If an additional Intermediate procedure is also recorded, with a value of 2 on the **AA_Proc_List**, then the procedure score is 8. As a procedure score of at least 8 is required to escalate activity to the Complex HRGs, this activity escalates up 2 levels.

In general, procedures for revisional surgery are directly mapped to an HRG with a higher expected resource usage than their equivalent initial procedure. Escalation up 1 level can also occur with a subsidiary OPCS-4 code indicating that a procedure is the first revisional procedure.

Escalation up 2 levels can also occur where a subsidiary OPCS-4 code indicating that the procedure is a second or greater revisional procedure is recorded, or where there is an additional procedure indicating advanced monitoring, e.g. EPR or cortical mapping.

The multiple-procedure and other (revisional, advanced monitoring) escalation logic can act in combination with each other to escalate activity a maximum of 3 levels.

- For example, activity can escalate up 2 levels where a subsidiary OPCS-4 code indicating first revisional operation is recorded alongside additional procedure(s) that meet the next relevant score threshold.

This subchapter also includes escalation logic whereby activity escalates to an HRG with a higher expected resource usage if the treatment of subdural haematoma is undertaken via open craniotomy, triggered by the presence of a subsidiary OPCS-4 code for the craniotomy approach.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to identify subsidiary sites of the interbrain or midbrain, or to differentiate the renewal of various devices.

Many of the procedure-driven HRG roots in this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under).

Several of the less resource-intensive HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as a neuropsychology test or nerve conduction studies, are not used to determine the HRG for a long-stay medical patient, for example, a person who has suffered a stroke.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRGs are differentiated by disorder type, with HRGs specific to disorders such as stroke, multiple sclerosis, and motor neuron disease. Where a secondary diagnosis code indicating foot ulcer is recorded alongside a primary diagnosis of diabetes with neurological complications, activity maps to an HRG in Subchapter **KB Diabetic Medicine**.

Interactive CC splits are employed within the majority of both diagnosis-driven and procedure-driven HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

Combination code derivation amendment

The grouping priority for combination code derivation for OPCS-4 code **A70.2 Maintenance of peripheral nerve neurostimulator** has been reordered as follows:

1 st	A702+Y032	<i>Renewal of peripheral nerve neurostimulator</i>
2 nd	A702+Y033	<i>Correction of displacement of peripheral nerve neurostimulator</i>
3 rd	A702+Y034	<i>Other resiting of peripheral nerve neurostimulator</i>
4 th	A702+Z112	<i>Maintenance of sacral nerve neurostimulator</i>

This ensures that when a renewal of sacral nerve stimulator is undertaken where both OPCS-4 codes **Y03.2 Renewal of prosthesis in organ NOC** and **Z11.2 Sacral nerve** are recorded subsidiary to **A70.2 Maintenance of peripheral nerve neurostimulator**, combination code **A702+Y032 Renewal of peripheral nerve stimulator** is derived.

When this combination code is the dominant procedure, it maps to the appropriate insertion of neurostimulator HRG depending on the primary diagnosis (or in the case of Pain Management, the treatment function code) recorded: either **AA60* Insertion of Neurostimulator for Treatment of Neurological Conditions**, **AB12Z Insertion of Neurostimulator for Pain Management**, **LB79Z Insertion of Neurostimulator for Treatment of Urinary Incontinence** or **FF47Z Insertion of Neurostimulator for Treatment of Faecal Incontinence**.

Subchapter AB – Pain Management

Subchapter **AB Pain Management** relates to treatments for pain management and covers activity for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

The HRGs within this subchapter are all procedure-driven and are procedure-specific rather than being separated by complexity level.

There are HRGs specific to high-volume pain management procedures, for example joint injections or acupuncture. There are also HRGs for specific high-cost specialised activity, such as the insertion of neurostimulators, and intrathecal drug delivery pumps for pain management.

- Additional logic is applied to neurostimulator procedure codes that default to an HRG root within Subchapter **AA Nervous System Procedures and Disorders** to ensure that where the primary diagnosis relates to a complication or adjustment of neurostimulator, but a secondary diagnosis indicates that the device has been inserted for pain management treatment, activity maps to the appropriate HRG within this subchapter.
- The pain management HRGs for nerve block / destruction, injection into joint and epidural procedures are split based on whether the procedure is undertaken under image control. This uses the **+IMAGE** combination codes, constructed using a subsidiary OPCS-4 code indicating “under image control”.

While some procedure codes map directly to HRGs within this subchapter, the vast majority of the HRGs within this subchapter are derived with a relevant dominant procedure that would otherwise map to HRGs within other subchapters such as **AA Nervous System Procedures and Disorders**, **HC Spinal Procedures and Disorders** or **HN Orthopaedic Non-Trauma Procedures**. There is logic on these procedure codes to map to the HRGs within this subchapter when the primary diagnosis indicates a pain disorder, or where a TFC of **191 Pain Management Service** or **241 Paediatric Pain Management Service** is recorded.

As ICD-10 diagnosis codes are not yet mandated for use in the non-admitted care setting, only activity with a pain management TFC derives the pain management HRGs in outpatients, as the pain diagnosis logic cannot be triggered.

There are no paediatric-specific HRGs within this subchapter due to the low volume of paediatric pain management activity.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	16	16
Total HRG Roots	16	16
Procedure-driven HRGs	16	16
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

The majority of HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as injection into joint, are not used to determine the HRG for a long-stay medical patient, for example, a person who has suffered a stroke.

As the majority of activity for treatment as part of a Pain Management Programme is short stay, there are no complication and comorbidity splits within this subchapter.

Differences from the HRG4+ 2024/25 Local Payment Grouper

Combination code derivation amendment

The grouping priority for combination code derivation for OPCS-4 code **A70.2 Maintenance of peripheral nerve neurostimulator** has been reordered as follows:

1 st	A702+Y032	<i>Renewal of peripheral nerve neurostimulator</i>
2 nd	A702+Y033	<i>Correction of displacement of peripheral nerve neurostimulator</i>
3 rd	A702+Y034	<i>Other resiting of peripheral nerve neurostimulator</i>
4 th	A702+Z112	<i>Maintenance of sacral nerve neurostimulator</i>

This ensures that when a renewal of sacral nerve stimulator is undertaken where both OPCS-4 codes **Y03.2 Renewal of prosthesis in organ NOC** and **Z11.2 Sacral nerve** are recorded subsidiary to **A70.2 Maintenance of peripheral nerve neurostimulator**, combination code **A702+Y032 Renewal of peripheral nerve stimulator** is derived.

When this combination code is the dominant procedure, it maps to the appropriate insertion of neurostimulator HRG depending on the primary diagnosis (or in the case of Pain Management, the treatment function code) recorded: either **AA60* Insertion of Neurostimulator for Treatment of Neurological Conditions**, **AB12Z Insertion of Neurostimulator for Pain Management**, **LB79Z Insertion of Neurostimulator for Treatment of Urinary Incontinence** or **FF47Z Insertion of Neurostimulator for Treatment of Faecal Incontinence**.

Subchapter BZ – Eyes and Periorbita Procedures and Disorders

Subchapter **BZ Eyes and Periorbita Procedures and Disorders** covers procedures for patients of all ages and diagnoses for adults relating to the eyes and periorbita. It includes activity undertaken in inpatient, day case and non-admitted care settings.

The majority of the procedure-driven HRGs in this subchapter are differentiated based on the type of eye surgery, and they are separated into the following surgical areas:

BZ3* Cataract and lens procedures
BZ4* Oculoplastic procedures
BZ5* Orbit and lacrimal procedures
BZ6* Cornea and sclera procedures
BZ7* Ocular motility procedures
BZ8* Vitreous retinal procedures
BZ9* Glaucoma procedures

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into a maximum of 6 levels. The potential complexity level range includes 7 levels (minimal, minor, intermediate, major, very major, complex and very complex); however, most surgical areas do not utilise all available complexity levels.

There are also several HRGs that relate to specific high-volume procedures, such as phacoemulsification cataract extraction and lens implantation, and tests such as retinal tomography.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by many of the procedure-driven HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic uses a scoring system which escalates activity to a higher resource HRG when a certain procedure score is reached. For this subchapter, the escalation logic uses the **BZ_Proc_List**, which contains eye and periorbita procedures. Each procedure on the list has a value based on its expected resource use. These values, including that of the dominant procedure, are used to calculate the procedure score that triggers escalation.

- For example, where an Intermediate dominant procedure with a value of 2 on list **BZ_Proc_List** is recorded with another Intermediate procedure with a value of 2 on list **BZ_Proc_List**, the procedure score is 4. As a procedure score of at least 3 is required to escalate activity to the Major HRGs, this activity escalates up 1 level. However, when an additional Intermediate procedure is also recorded, with a value of 2 on list

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	95	95
Total HRG Roots	49	49
Procedure-driven HRGs	91	91
Diagnosis-driven HRGs	4	4
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

BZ_Proc_List, then the procedure score is 6. As a procedure score of at least 5 is required to escalate activity to the Complex HRGs, this activity escalates up 2 levels.

Escalation up 1 level also occurs when procedures are undertaken under general anaesthetic (GA), but only where the expectation is that the procedure(s) would typically be performed under local anaesthetic. This logic is therefore not applied to the **BZ7* Ocular Motility Procedures** HRGs or the higher complexity level HRGs, for which there is an expectation that most operations would be undertaken under GA.

In general, revisional procedure codes are directly mapped to an HRG with a higher expected resource usage than their equivalent initial procedure. In addition, escalation up 1 level also occurs where a subsidiary OPCS-4 code indicating a revisional operation is recorded.

Escalation up 1 level occurs when a subsidiary OPCS-4 code indicating bilateral operation is recorded, with the exception of some cataract and glaucoma procedures. There is also an HRG root, **BZ35 Bilateral Phacoemulsification Cataract Extraction and Lens Implant**, specific to cataract surgery being performed bilaterally within the same hospital admission.

The multiple-procedure and other (GA, revisional, bilateral) escalation logic can act in combination with each other to escalate activity up to a maximum of 2 levels.

- For example, activity can escalate up 2 levels where a subsidiary OPCS-4 code indicating revisional operation is recorded with additional procedures that meet the next relevant score threshold, or where subsidiary OPCS-4 codes indicating a procedure was performed bilaterally and under GA are recorded.

There is logic on the excision of lesion of eyelid procedures to escalate activity to an HRG with a higher expected resource usage where a primary diagnosis of eyelid cancer is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to differentiate the renewal of various devices.

Many of the procedure-driven HRG roots in this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under) across the oculoplastic, orbit and lacrimal, ocular motility and vitreous retinal procedure HRG roots. In addition, there are some HRGs that differentiate the treatment of younger children (0 to 3 years of age) from the treatment of older children (4 to 18 years of age).

The majority of minor procedure and ophthalmic test HRGs within this subchapter employ maximum length of stay logic to ensure that minor procedures, such as irrigation of tear duct, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The 1 diagnosis-driven HRG root in this subchapter, **BZ24 Non-Surgical Ophthalmology**, which is exclusively for adult activity, has both interactive CC and intervention splits. The former enables differentiation in expected resource usage between routine and complex patients, while the latter enables “minor interventions” to be used as proxies indicating additional resource usage.

Interactive CC splits are also employed within some of the procedure-driven HRG roots – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

As the majority of eye surgery is day case, the complications and comorbidities list for this subchapter (**BZ_CC**) contains secondary diagnoses that predominantly impact theatre time and nursing resources. This includes mental health disorders such as dementia and autism, underlying heart conditions, other eye disorders such as infections and injury, congenital disorders such as Down syndrome and disorders likely to make the patient immunocompromised.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter CA – Ear, Nose, Mouth, Throat, Head and Neck Procedures

Subchapter **CA Ear, Nose, Mouth, Throat, Head and Neck Procedures** covers ear, nose, mouth, throat, head and neck procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include dental or orthodontic procedures, which are covered by Subchapter **CD Dental and Orthodontic Procedures**.

It does not include percutaneous procedures performed on the head and neck: these map to Subchapter **YC Head and Neck Imaging Interventions**.

The HRGs within this subchapter are generally differentiated based on the site of surgery – e.g. neck, ear, nose or mouth – but there are also HRGs specific to maxillofacial and audiology procedures. In addition, there are procedure-specific HRGs for high-volume procedures such as tonsillectomy, septoplasty and diagnostic nasopharyngoscopy.

The HRGs within this subchapter are separated into the following areas:

- CA0* Head and neck procedures**
- CA1* CA2* Nose and sinus procedures**
- CA3* CA5* Ear procedures, including audiology**
- CA6* CA8* Mouth and throat procedures, including endoscopy**
- CA9* Maxillofacial procedures**

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into a maximum of 7 levels. The potential range includes 7 levels (minimal, minor, intermediate, major, very major, complex and very complex); however, most surgical areas do not utilise all available complexity levels.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by many of the procedure-driven HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic uses a scoring system which escalates activity to a higher resource HRG when a certain procedure score is reached. For this subchapter, the escalation logic uses different lists for each organ – **CA_Ear_Nose** for ear and nose procedures, **CA_Mastoid** for mastoid procedures, **CA_FESS** for sinus procedures, **CA_Mouth** for mouth and throat procedures, **CA_Neck** for head and neck procedures and **CA_MaxFac** for maxillofacial procedures. Each list contains procedures that would not be expected to be part and parcel of the operations on those specific organs. Each procedure

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	122	122
Total HRG Roots	70	70
Procedure-driven HRGs	122	122
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

on the list has a value based on its expected resource use. These values, including that of the dominant procedure, are used to calculate the procedure score that triggers escalation.

- For example, where an Intermediate ear dominant procedure with a value of 3 on list **CA_Ear_Nose** is recorded with another Intermediate procedure with a value of 2 on list **CA_Ear_Nose**, the procedure score is 5. As a procedure score of at least 4 is required to escalate activity to the Major Ear HRGs, this activity escalates up 1 level. However, when an additional Intermediate procedure is also recorded, with a value of 2 on list **CA_Ear_Nose**, then the procedure score is 7. As a procedure score of at least 7 is required to escalate activity to the Complex Ear HRGs, this activity escalates up 2 levels.

There is logic on some examination procedure codes to escalate activity to an HRG with a higher expected resource usage where a subsidiary OPCS-4 code indicating that the examination was under GA is recorded.

There is logic on the relevant excision of lesion of nose procedure codes mapped to **CA15Z Excision or Biopsy, of Lesion of Internal Nose** to trigger escalation to **CA21Z Very Major Nose Procedures** where a primary diagnosis indicating a vascular nasal tumour is recorded.

CA12Z Major Treatment of Epistaxis can be generated using OPCS-4 codes indicating major treatment, or via escalation when 2 minor treatments are recorded.

The Cochlear Implant HRGs are split into unilateral and bilateral HRGs – the latter are generated where a subsidiary OPCS-4 code indicating bilateral operation is recorded.

CA61Z Adenotonsillectomy is reached where a dominant tonsillectomy procedure is recorded alongside an additional adenoidectomy procedure.

CA70Z Diagnostic Examination of Upper Respiratory Tract and Upper Gastrointestinal Tract can be generated either directly with an OPCS-4 code indicating rigid oesophagoscopy, or via escalation, when a pharyngoscopy or laryngoscopy is recorded alongside a flexible oesophagogastroscopy procedure.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to identify a subsidiary site of head or neck for soft tissue procedures, to differentiate renewal of various devices, or so that endoscopic procedures can be differentiated from the equivalent percutaneous procedures mapped to HRGs within Subchapter **YC Head and Neck Imaging Interventions**.

The majority of HRG roots in this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs that differentiate the treatment of infants (0 to 1 year of age) from the treatment of older children (2 to 18 years). Some of the audiology HRGs differentiate preschool-aged children (4 years and under) from school-aged children (5 to 18 years), whereas the tonsillectomy HRGs differentiate between children 0–3 years of age and children 4 to 18 years of age.

Most of the diagnostic, minor and minimal procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as drainage of ear wax, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

Interactive CC splits are employed within many of the HRG roots within this subchapter – up to a maximum of 3 levels – to differentiate complex patients from routine patients.



Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter CB – Ear, Nose, Mouth, Throat, Head and Neck Disorders

Subchapter **CB Ear, Nose, Mouth, Throat, Head and Neck Disorders** includes all ear, nose, mouth, throat, head and neck disorders for adults only. It includes activity undertaken in inpatient and day case settings.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The HRGs within this subchapter are separated into 2 HRG roots, malignant and non-malignant ear, nose, mouth, throat, head and neck disorders.

Both HRG roots employ intervention splits to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within both HRG roots in this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	12	12
Total HRG Roots	2	2
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	12	12
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter CD – Dental and Orthodontic Procedures

Subchapter **CD Dental and Orthodontic Procedures** covers dental and orthodontic procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Other mouth procedures and maxillofacial procedures are covered alongside ear, nose, throat, head and neck procedures within Subchapter **CA Ear, Nose, Mouth, Throat, Head and Neck Procedures**.

Dental disorders are covered in Subchapter **CB Ear, Nose, Mouth, Throat, Head and Neck Disorders**.

The HRGs within this subchapter are differentiated based on the type of dental or orthodontic procedure performed, and cover dental surgery, tooth extractions, orthodontics and restorative dentistry procedures.

Some dental procedure HRGs are further separated based on the expected complexity of the procedures into a maximum of 3 levels (minor, intermediate and major).

- To acknowledge the additional resource associated with performing procedures on multiple teeth, there is logic on certain tooth procedures to escalate activity to an HRG with a higher expected resource use where a subsidiary OPCS-4 code of **O36.1 Multiple teeth** is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to differentiate renewal of dental devices and to identify specific graft to gingiva procedures.

Most HRG roots within this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under).

All the HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as tooth extraction, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	23	23
Total HRG Roots	12	12
Procedure-driven HRGs	23	23
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter DX – COVID-19 Infection

Subchapter **DX COVID-19 Infection** is designed specifically to identify patients with a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** who have no significant procedures recorded. It covers patients of all ages and includes activity undertaken in admitted patient care settings only. As the HRGs are diagnosis-driven, they cannot be generated in a non-admitted care setting.

Subchapter **DX COVID-19 Infection** was created in response to updates to national coding guidance regarding the recording of COVID-19 infections, which confirmed that the 2 COVID-19 ICD-10 codes are effectively identifying a cohort of patients with the same disease and treatment pathway.

U07.1 COVID-19, virus identified is

used for cases of COVID-19 which are confirmed by a positive diagnostic test result.

U07.2 COVID-19, virus not identified is used when diagnostic testing for COVID-19 is reported as inconclusive, or when testing has not been carried out, but the responsible consultant confirms a diagnosis.

There are 6 HRGs within this subchapter, as follows:

- **DX01A COVID-19 Infection, with Major Manifestations, 19 years and over**
- **DX01B COVID-19 Infection, with Major Manifestations, 18 years and under**
- **DX11A COVID-19 Infection, with Pneumonia, 19 years and over**
- **DX11B COVID-19 Infection, with Pneumonia, 18 years and under**
- **DX21A COVID-19 Infection, 19 years and over**
- **DX21B COVID-19 Infection, 18 years and under**

Subchapter DX COVID-19 Infection HRG Grouping Logic

The Subchapter **DX COVID-19 Infection** HRGs require a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** and no significant procedures recorded. They cover patients of all ages and can only be generated from the APC data set.

The HRG Grouping logic makes use of 2 lists, effectively escalating activity from base HRG root **DX21 COVID-19 Infection** when specified secondary diagnoses are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	6	6
Total HRG Roots	3	3
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	6	6
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

For example:

- If the patient has 1 or more major manifestations recorded as secondary diagnoses in the patient record (as identified by 1 of the 125 ICD-10 diagnosis codes on the “Major Manifestation” list **DX_Major**, see below), escalation to HRG root **DX01 COVID-19 Infection, with Major Manifestations** will occur.

The Major Manifestations list includes conditions clinically identified as major manifestations of other diseases caused by the COVID-19 infection, such as sepsis, blood clots, organ failure and paediatric multisystem inflammatory syndrome.

- If the patient does not have a Major Manifestation recorded but does have a manifestation of COVID-pneumonia, recorded in accordance with national coding standards as a secondary diagnosis of **J12.8 Other viral pneumonia**, escalation to HRG root **DX11 COVID-19 Infection, with Pneumonia** will occur. The ICD-10 code **J12.8 Other viral pneumonia** is the only ICD-10 code on the “COVID-Pneumonia” list (list **DX_Pneumonia**).

If the patient has COVID-Pneumonia and 1 or more of the manifestations on list **DX_Major**, then HRG root **DX01 COVID-19 Infection, with Major Manifestations** will be generated.

- If the patient has a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** and has no manifestations of the disease recorded that are included on either the Major Manifestations or COVID-Pneumonia lists, the HRG root **DX21 COVID-19 Infection** will be generated.

The HRGs within this subchapter employ standard adult / child age splits (19 years and over / 18 years and under) and do not employ any CC or Intervention splits.

The Subchapter **DX COVID-19 Infection** HRGs do not take into account whether or not patients have subsequently been admitted to intensive care facilities, as the data, and the appropriate unbundled HRG design, is reliant upon the Critical Care Minimum Data Sets.

As both episode and spell admitted patient care grouping are based on the patient’s adjusted rather than total length of stay, the days relating to Critical Care, Rehabilitation or Specialist Palliative Care should be included in the grouping input file, as per standard HRG grouping.

Event-based unbundled HRGs, recorded using OPCS-4 codes and relating to services such as dialysis for acute renal failure, will also be generated in addition to the admitted patient care core Subchapter **DX COVID-19 Infection** HRGs, for patients admitted with a COVID-19 infection primary diagnosis, as per the Casemix design principles. Please see the respective unbundled HRG subchapters for further information on how these HRGs are generated.

Understanding HRG Grouping Methods

The HRGs in Subchapter **DX COVID-19 Infection** are diagnosis-driven and so not all patients with a primary diagnosis of **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** will group to this subchapter.

For example:

- In line with standard grouping methodology, these HRGs will not be generated if any elements of the data in the mandated fields required for grouping are invalid. If this is the case, HRG **UZ01Z Data Invalid for Grouping** will be generated.

- **Core 1** procedure-driven grouping takes precedence over **Core 1** diagnosis-driven grouping in the HRG design. Where a patient has a significant procedure (determined by the procedure hierarchy within the design), a procedure-driven HRG will be generated. However, the design also includes maximum length of stay logic for some procedures. For these procedures, grouping will effectively “flip” to diagnosis-driven HRG grouping where the maximum adjusted length of stay for the procedure has been exceeded. These are the basic principles of **Core 1** Logic.
 - Where the dominant procedure has a procedure hierarchy (PH) value of 5 or more and has no maximum length of stay logic check (at either the episode or spell level), the HRG generated will be procedure-driven.
 - For patients with a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** who have a significant procedure recorded (that is not subject to a maximum length of stay check), the HRG generated will be from a subchapter other than Subchapter **DX COVID-19 Infection**.
 - For patients with a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified** who have a significant procedure recorded (that is subject to a maximum length of stay check), HRGs from Subchapter **DX COVID-19 Infection** will be generated where the maximum length of stay for the dominant procedure (at either the episode or spell level) is exceeded.
 - Where the dominant procedure in the admitted patient care record has a PH value of 2, an unbundled HRG will be derived (in addition to the core HRG). Procedures with a PH value of 1 are deemed insignificant for grouping purposes, so the HRG derived will be generated from the spell primary diagnosis.
 - Where the dominant procedure in the patient record has a PH value of zero, the procedure is not valid for Casemix Grouping and will generate HRG **UZ01Z Data Invalid for Grouping**, irrespective of the primary diagnosis of the patient.
- Where patients are admitted as a result of Multiple Trauma injuries, **Core 4** grouping logic is employed, and as such a Subchapter **DX COVID-19 Infection** HRG cannot be generated, as neither **U07.1 COVID-19, virus identified** nor **U07.2 COVID-19, virus not identified** are present on the Multiple Trauma primary diagnoses “entry list”.
- Where patients have a second- or third-degree burn with diagnoses recorded in any position, **Core 7** logic (and subsequently **Core 3** escalation logic) is employed. As such a Subchapter **DX COVID-19 Infection** HRG will not be generated, as “burns” logic takes precedence over **Core 1** grouping logic. The resultant HRG will be from Subchapter **JB Burns Procedures and Disorders**.
- **Core 5** logic is referred to as “global exception logic” and takes precedence over **Core 1** logic within the grouping process. For example, this allows for planned procedures not carried out (recorded via ICD-10 secondary diagnoses codes) to override **Core 1** grouping using diagnoses that would ordinarily result in a different HRG.
 - Coding standard **DCS.XXI.11: Cancelled procedures and abandoned procedures (Z53)** states that “Codes in category Z53.- Persons encountering

health services for specific procedures, not carried out must never be assigned in a primary position. Z53.- must only be used for patients admitted electively for a procedure which is subsequently cancelled/not carried out/not started for any reason and no other procedure has been carried out, i.e. the coded record contains no OPCS-4 procedure codes within that particular consultant episode."

Therefore, if the ICD-10 codes from code category **Z53.- Persons encountering health services for specific procedures** are recorded, the HRG root **WH50 Procedure Not Carried Out** will be derived, for patients of all ages.

- **Core 5** grouping logic is also employed to override HRG derivation in specific circumstances to allow the generation of HRGs that identify patients who, irrespective of their primary diagnosis, are admitted or attend for 1 of the following reasons:
 - Solely for radiotherapy treatment and have a length of stay of zero days
 - Solely for chemotherapy treatment and have a length of stay of zero days
 - Solely for nuclear medicine investigations under Treatment Function Code **371 Nuclear Medicine**
 - Solely for diagnostic imaging investigations under Treatment Function Code **812 Diagnostic Imaging**

Further details of the Casemix grouping logic and design principles can be found in The Casemix Companion.

Subchapter DX: List of ICD-10 diagnosis codes on the DX_Major, major manifestation of COVID-19 list

ICD-10 Code	Code Description
A02.1	Salmonella sepsis
A08.3	Other viral enteritis
A20.7	Septicaemic plague
A22.7	Anthrax sepsis
A26.7	Erysipelothrix sepsis
A32.7	Listerial sepsis
A40.0	Sepsis due to streptococcus, group A
A40.1	Sepsis due to streptococcus, group B
A40.2	Sepsis due to streptococcus, group D
A40.3	Sepsis due to Streptococcus pneumoniae
A40.8	Other streptococcal sepsis
A40.9	Streptococcal sepsis, unspecified
A41.0	Sepsis due to Staphylococcus aureus
A41.1	Sepsis due to other specified staphylococcus
A41.2	Sepsis due to unspecified staphylococcus
A41.3	Sepsis due to Haemophilus influenzae
A41.4	Sepsis due to anaerobes
A41.5	Sepsis due to other Gram-negative organisms
A41.8	Other specified sepsis
A41.9	Sepsis, unspecified
A42.7	Actinomycotic sepsis

ICD-10 Code	Code Description
A85.8	Other specified viral encephalitis
A87.8	Other viral meningitis
B17.8	Other specified acute viral hepatitis
B33.2	Viral carditis
B37.7	Candidal sepsis
B44.0	Invasive pulmonary aspergillosis
B44.1	Other pulmonary aspergillosis
B44.2	Tonsillar aspergillosis
B44.7	Disseminated aspergillosis
B44.8	Other forms of aspergillosis
B44.9	Aspergillosis, unspecified
D65.X	Disseminated intravascular coagulation [defibrination syndrome]
D89.8	Other specified disorders involving the immune mechanism, not elsewhere classified
F05.8	Other delirium
G02.0	Meningitis in viral diseases classified elsewhere
G05.1	Encephalitis, myelitis and encephalomyelitis in viral diseases classified elsewhere
G61.0	Guillain-Barre syndrome
G93.1	Anoxic brain damage, not elsewhere classified
I11.0	Hypertensive heart disease with (congestive) heart failure
I12.0	Hypertensive renal disease with renal failure
I13.0	Hypertensive heart and renal disease with (congestive) heart failure
I13.1	Hypertensive heart and renal disease with renal failure
I13.2	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure
I26.0	Pulmonary embolism with mention of acute cor pulmonale
I26.9	Pulmonary embolism without mention of acute cor pulmonale
I27.0	Primary pulmonary hypertension
I27.2	Other secondary pulmonary hypertension
I30.1	Infective pericarditis
I32.1	Pericarditis in other infectious and parasitic diseases classified elsewhere
I33.0	Acute and subacute infective endocarditis
I41.1	Myocarditis in viral diseases classified elsewhere
I43.0	Cardiomyopathy in infectious and parasitic diseases classified elsewhere
I47.0	Re-entry ventricular arrhythmia
I47.1	Supraventricular tachycardia
I47.2	Ventricular tachycardia
I47.9	Paroxysmal tachycardia, unspecified
I50.0	Congestive heart failure
I50.1	Left ventricular failure
I50.9	Heart failure, unspecified
I63.0	Cerebral infarction due to thrombosis of precerebral arteries
I63.1	Cerebral infarction due to embolism of precerebral arteries
I63.3	Cerebral infarction due to thrombosis of cerebral arteries
I63.4	Cerebral infarction due to embolism of cerebral arteries
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
I74.0	Embolism and thrombosis of abdominal aorta
I74.1	Embolism and thrombosis of other and unspecified parts of aorta
I74.2	Embolism and thrombosis of arteries of upper extremities
I74.3	Embolism and thrombosis of arteries of lower extremities
I74.4	Embolism and thrombosis of arteries of extremities, unspecified
I74.5	Embolism and thrombosis of iliac artery

ICD-10 Code	Code Description
I74.8	Embolism and thrombosis of other arteries
I74.9	Embolism and thrombosis of unspecified artery
I80.1	Phlebitis and thrombophlebitis of femoral vein
I80.2	Phlebitis and thrombophlebitis of other deep vessels of lower extremities
I80.8	Phlebitis and thrombophlebitis of other sites
I81.X	Portal vein thrombosis
I82.1	Thrombophlebitis migrans
I82.2	Embolism and thrombosis of vena cava
I82.3	Embolism and thrombosis of renal vein
I82.8	Embolism and thrombosis of other specified veins
J80.X	Adult respiratory distress syndrome
J81.X	Pulmonary oedema
J84.0	Alveolar and parietoalveolar conditions
J84.1	Other interstitial pulmonary diseases with fibrosis
J84.8	Other specified interstitial pulmonary diseases
J84.9	Interstitial pulmonary disease, unspecified
J93.0	Spontaneous tension pneumothorax
J93.1	Other spontaneous pneumothorax
J93.8	Other pneumothorax
J93.9	Pneumothorax, unspecified
J96.0	Acute respiratory failure
J96.00	Acute respiratory failure: Type I [hypoxic]
J96.01	Acute respiratory failure: Type II [hypercapnic]
J96.09	Acute respiratory failure: Type unspecified
J96.1	Chronic respiratory failure
J96.10	Chronic respiratory failure: Type I [hypoxic]
J96.11	Chronic respiratory failure: Type II [hypercapnic]
J96.19	Chronic respiratory failure: Type unspecified
J98.1	Pulmonary collapse
K72.0	Acute and subacute hepatic failure
N17.0	Acute renal failure with tubular necrosis
N17.1	Acute renal failure with acute cortical necrosis
N17.2	Acute renal failure with medullary necrosis
N17.8	Other acute renal failure
N17.9	Acute renal failure, unspecified
O85.X	Puerperal sepsis
O88.3	Obstetric pyaemic and septic embolism
O90.3	Cardiomyopathy in the puerperium
P22.8	Other respiratory distress of newborn
P25.1	Pneumothorax originating in the perinatal period
P28.5	Respiratory failure of newborn
P29.0	Neonatal cardiac failure
P36.0	Sepsis of newborn due to streptococcus, group B
P36.1	Sepsis of newborn due to other and unspecified streptococci
P36.2	Sepsis of newborn due to Staphylococcus aureus
P36.3	Sepsis of newborn due to other and unspecified staphylococci
P36.4	Sepsis of newborn due to Escherichia coli
P36.5	Sepsis of newborn due to anaerobes
P36.8	Other bacterial sepsis of newborn
P36.9	Bacterial sepsis of newborn, unspecified
P60.X	Disseminated intravascular coagulation of fetus and newborn
R57.2	Septic shock

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ICD-10 Code	Code Description
R65.0	Systemic Inflammatory Response Syndrome of infectious origin without organ failure
R65.1	Systemic Inflammatory Response Syndrome of infectious origin with organ failure
U07.5	Multisystem inflammatory syndrome associated with COVID-19

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter DZ – Respiratory System Procedures and Disorders

Subchapter **DZ Respiratory System Procedures and Disorders** covers both adult respiratory diagnoses, and thoracic and respiratory tract procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include percutaneous procedures performed on the respiratory tract, which map to Subchapter **YD Thoracic Imaging Interventions**.

The thoracic surgery HRGs within this subchapter are separated based on the expected complexity of the procedures into a maximum of 5 levels (minor, intermediate, major, complex and very complex). There is also an HRG specific to lung transplantation.

There are HRGs specific to bronchoscopic procedures that are separated into diagnostic and therapeutic procedures, with the latter also differentiated based on the expected complexity of the procedures into 3 levels (standard, major, complex).

There are also HRGs specific to respiratory physiology and other minor tests.

- **DZ52Z Full Pulmonary Function Testing** is generated where a combination of bronchodilator studies or spirometry, carbon monoxide transfer factor test and lung volume studies are recorded, with a length of stay of zero days.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of procedure-driven HRGs within this subchapter to escalate activity to an HRG with a higher expected resource usage where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level when an additional procedure of the same complexity level as the dominant procedure is recorded, or where 2 additional procedures of the next lowest complexity level are recorded.

- For example, when the dominant procedure is a Major procedure, escalation to the related Complex HRG can occur where either an additional procedure from list **DZ_Major** is recorded, or where 2 additional procedures from list **DZ_Intermediate** are recorded.

Escalation up 1 level also occurs when a subsidiary OPCS-4 code indicating a bilateral operation is recorded.

Some activity with a dominant procedure mapped to an HRG within this subchapter maps to an HRG in another subchapter in certain scenarios. Where a disarticulation of bone of rib is

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	176	176
Total HRG Roots	52	52
Procedure-driven HRGs	46	46
Diagnosis-driven HRGs	130	130
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

performed on a patient with a primary diagnosis indicating a vascular disorder, activity derives an amputation of single limb HRG within Subchapter **YQ Vascular Open Procedures and Disorders**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to identify the subsidiary site of rib, intercostal muscles or nerves for rib and associated chest wall procedures.

Many of the procedure-driven HRG roots in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs that differentiate the treatment of infants (0 to 1 year of age) from the treatment of older children (2 to 18 years).

All the minor procedure HRGs within this subchapter, including the respiratory physiology HRGs and the majority of the bronchoscopy HRGs, have maximum length of stay logic to ensure that minor procedures, such as oxygen assessment, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has lung cancer.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRGs for respiratory system disorders are disease-specific such as asthma, pleural effusion, and respiratory neoplasms.

- **DZ51Z Complex Tuberculosis with length of stay 29 days or more** is generated for adult patients with a primary diagnosis of tuberculosis and a length of stay of 29 days or more. Where the length of stay is less than 29 days, activity maps to HRG root **DZ14 Pulmonary, Pleural or Other Tuberculosis**.

Intervention splits, including those that differentiate between whether a single “minor intervention” or multiple “minor interventions” have been undertaken, are employed within the majority of the diagnosis-driven HRG roots in this subchapter. Intervention splits are used to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter EB – Cardiac Disorders

Subchapter **EB Cardiac Disorders** covers all cardiac diagnoses for adults. It includes activity undertaken in inpatient and day case settings.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The HRGs within this subchapter are differentiated based on disorder type, such as endocarditis, cardiac arrest, myocardial infarction.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	48	48
Total HRG Roots	13	13
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	48	48
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter EC – Open and Interventional Procedures for Congenital Heart Disease

Subchapter **EC Open and Interventional Procedures for Congenital Heart Disease** covers most paediatric (18 years or under) procedure-driven cardiac activity, as well as procedures carried out as a result of adult patients having congenital heart disease. The exception to this is transplant surgery, which maps to HRGs within Subchapter **ED Open Cardiac Procedures for Acquired Conditions**, and percutaneous transluminal chemical mediated septal ablation and pacemaker testing, which map to HRGs within Subchapter **EY Interventional Cardiology for Acquired Conditions**, irrespective of the age of the patient or their diagnosis.

The majority of procedures only map to HRGs within this subchapter where the patient is a child, or where an adult patient has a diagnosis indicating congenital heart disease. However, some procedures that are inherently almost exclusively used to treat congenital heart disease, e.g. procedures to repair Tetralogy of Fallot and fetal echocardiography map directly to HRGs within this subchapter.

This subchapter includes activity undertaken in inpatient, day case and non-admitted care settings. However, as ICD-10 diagnosis codes are not yet mandated for use in the non-admitted care setting, only activity where the patient is 18 years or under derives the HRGs within this subchapter in an outpatient setting. The congenital heart disease logic for adult patients cannot be triggered in non-admitted care settings.

All other cardiac procedure-driven activity is covered within Subchapters **ED Open Cardiac Procedures for Acquired Conditions** or **EY Interventional Cardiology for Acquired Conditions**.

The therapeutic congenital cardiac procedure HRGs within this subchapter are separated based on the expected complexity of the procedures into 6 levels (minor, intermediate, major, very major, complex, and very complex). There are also HRGs specific to diagnostic congenital cardiac procedures and tests.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by many of the procedure-driven HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic uses a scoring system which escalates activity to a higher resource HRG when a certain procedure score is reached. For this subchapter, the

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	21	21
Total HRG Roots	9	9
Procedure-driven HRGs	21	21
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

escalation logic uses the **EC_Proc_List**, which contains cardiac procedures, thoracic and vascular procedures, as well as procedure codes indicative of active cooling and robotic surgery. Each procedure on the list has a value based on its expected resource use. These values, including that of the dominant procedure, are used to calculate the procedure score that triggers escalation.

- For example, where a Major dominant procedure with a value of 3 on list **EC_Proc_List** is recorded with another Major procedure with a value of 3 on list **EC_Proc_List**, the procedure score is 6. As a procedure score of at least 5 is required to escalate activity to the Very Major HRGs, this activity escalates up 1 level. However, when an additional Major procedure is also recorded, with a value of 3 on list **EC_Proc_List**, the procedure score is 9. As a procedure score of at least 8 is required to escalate activity to the Complex HRGs, this activity escalates up 2 levels.

Escalation up 1 level can also occur when a subsidiary OPCS-4 code indicating that the procedure has been performed under GA is recorded, where the expectation is that the procedure(s) would typically be performed under local anaesthetic. This logic is thus limited to certain percutaneous procedures.

In general, revisional procedure codes are directly mapped to an HRG with higher expected resource usage than their equivalent initial procedure. In addition, escalation up 1 level can also occur, where a subsidiary OPCS-4 code indicating a revisional operation is recorded.

The multiple-procedure and other (GA, revisional) escalation logic can act in combination with each other to escalate up a maximum of 2 levels.

- For example, activity can escalate up 2 levels where a subsidiary OPCS-4 code indicating a revisional operation is recorded, and where additional procedures are recorded that meet the next relevant score threshold (which on its own, would escalate the activity up 1 level), or where subsidiary OPCS-4 codes indicating a revisional operation has been performed under GA are recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to differentiate the renewal of various devices, or transcatheter procedures.

The congenital cardiac physiology HRGs have maximum length of stay logic to ensure that minor procedures such as ECGs are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a heart attack.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter ED – Open Cardiac Procedures for Acquired Conditions

Subchapter **ED Open Cardiac Procedures for Acquired Conditions** covers open cardiac procedures for acquired heart disease for adult patients. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Percutaneous cardiac procedures map to Subchapter **EY Interventional Cardiology for Acquired Heart Disease**.

With the exception of the HRGs specific to transplantation, surgical procedures that are either carried out on children (patients 18 years or under) or are carried out as a result of adult patients having congenital heart disease are covered within Subchapter **EC Open and Interventional Procedures for Congenital Heart Disease**.

Also, procedures that are inherently almost exclusively used to treat congenital heart disease, e.g. procedures to repair Tetralogy of Fallot, map directly to HRGs within Subchapter **EC Open and Interventional Procedures for Congenital Heart Disease**, irrespective of patient age or diagnosis.

Most of the HRGs in this subchapter are differentiated based on the type of heart surgery performed, and are separated into the following surgical areas:

ED0* Cardiac transplant procedures

ED1* Thoracic aortic repair procedures

ED2* Coronary artery bypass and heart valve repair procedures

ED3* Other cardiac surgery procedures

The related HRGs within each of the surgical areas are separated based on the expected complexity of the procedures, often through the differentiation between Standard and Complex HRGs.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage, typically from the Standard to Complex HRGs. For some HRGs there are 3 levels of complexity: Standard, Major and Complex. This escalation occurs where significant additional procedures on specific lists are recorded alongside the dominant procedure.

In general, revisional procedure codes directly map to an HRG with higher expected resource usage than their equivalent initial procedure.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	50	50
Total HRG Roots	26	26
Procedure-driven HRGs	50	50
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	No	No

For the (**ED0***) Cardiac Transplant HRGs, escalation from the Standard to Complex HRGs occurs where a diagnosis code indicating amyloidosis or congenital heart disease is recorded, or where an additional procedure code indicating that patient has a mechanical assistance device is recorded.

For the (**ED1***) surgical repair of thoracic aorta HRGs, escalation up a level can occur where:

- procedures are undertaken on both the descending thoracic aorta and aortic arch, or
- an additional complex cardiovascular procedure is recorded, or
- an OPCS-4 code indicating active cooling is performed is recorded, or
- a subsidiary OPCS-4 code indicating a revisional operation is recorded, or
- a diagnosis code indicating cardiovascular infection is recorded in any position.

In addition, for the descending aorta or aortic arch repair HRGs, escalation up 2 levels can occur with a combination of the above, e.g. where a subsidiary OPCS-4 code indicating a revisional operation is recorded with a diagnosis code indicating the patient has a heart infection.

- **ED16Z Hybrid Repair of Descending Thoracic Aorta or Aortic Arch** is derived where a dominant procedure of open repair of the descending thoracic aorta or aortic arch is recorded alongside an additional procedure indicating endovascular insertion of stent graft.

For the (**ED2***) Coronary artery bypass (CABG) HRGs, the repair of 1 or 2 coronary arteries map to the Standard HRGs, the repair of 3 coronary arteries map directly to the Major HRGs and the repair of 4 or more coronary arteries map directly to the Complex HRGs. In addition, escalation from the Standard to Major HRGs can occur where an additional diagnostic percutaneous intervention is recorded, and escalation from the Standard or Major to the Complex HRGs can occur where an additional therapeutic open, or percutaneous, procedure is recorded, or where a subsidiary OPCS-4 code indicating a revisional operation is recorded.

For the (**ED2***) Heart valve replacement or repair HRGs, the escalation from the Standard to the Complex HRGs can occur where an additional therapeutic open or percutaneous procedure is recorded, or a subsidiary OPCS-4 code indicating a revisional operation is recorded. Escalation to the “CABG with valve repair” HRGs occurs where an additional CABG procedure code is recorded, and escalation to the “repair of multiple valve” HRGs occurs where an additional valve replacement, or repair procedure code, is recorded. The Standard to Complex escalation logic can act in combination with the CABG and multiple valve escalation logic, e.g. activity can map to the Complex CABG and valve HRGs when there is an additional CABG procedure, and other open, or percutaneous therapeutic procedures, recorded.

For the (**ED3***) Open procedures on the heart or pericardium HRGs, the escalation from Standard to the Complex HRGs can occur where an additional therapeutic open or percutaneous procedure is recorded, or where a subsidiary OPCS-4 code indicating revisional operation is recorded. In addition, for procedures on the pericardium, escalation from the Standard to the Complex HRGs can occur when a diagnosis code indicating constrictive pericarditis is recorded in any position.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to differentiate procedures on the aortic arch.

Some activity with a dominant procedure mapped to an HRG in this subchapter maps to an HRG in another subchapter in certain scenarios. Where an abdominal aorta procedure is

undertaken in addition to a repair of descending thoracic aorta or aortic arch, activity maps to the thoracoabdominal repair HRGs within Subchapter **YQ Vascular Open Procedures and Disorders**.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter EY – Interventional Cardiology for Acquired Conditions

Subchapter **EY Interventional Cardiology for Acquired Conditions** covers interventional cardiology procedures for acquired conditions for adult patients. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Open procedures for acquired heart disease map to Subchapter **ED Open Cardiac Procedures for Acquired Conditions**.

With the exception of percutaneous transluminal chemical mediated septal ablation and pacemaker testing, interventional cardiology procedures that are either carried out on children (patients 18 years or under) or are carried out as a result of adult patients having congenital heart disease are covered within Subchapter **EC Open and Interventional Procedures for Congenital Heart Disease**.

Most of the HRGs in this subchapter are differentiated based on the type of interventional cardiology performed, and are separated into the following areas:

- EY0*–EY1* Pacemaker procedures**
- EY2* Percutaneous cardiac repair procedures**
- EY3* Percutaneous ablation and electrophysiology procedures**
- EY4* Coronary angiography and angioplasty procedures**
- EY5* Cardiac physiology**

Within some groups of related HRGs, activity is separated based on the expected complexity of the procedures, often through the differentiation between Standard and Complex HRGs.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage, typically from the Standard to Complex HRGs. For some HRGs there are 3 levels of complexity: Standard, Complex and Very Complex. This escalation occurs where significant additional procedures on specific lists are recorded alongside the dominant procedure.

The HRGs for implantation of ICD / ICD-CRT with extraction / major open procedures (**EY14*–EY15***) are derived with a dominant ICD or ICD-CRT procedure and with:

- an additional major open cardiac procedure from list **EY_Major** or
- an additional procedure indicating removal of an ICD / ICD-CRT alongside either.
 - a diagnosis code indicating infection or complication of ICD / ICD-CRT in any position, or
 - an additional OPCS-4 code of transthoracic echocardiogram, or

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	73	73
Total HRG Roots	29	29
Procedure-driven HRGs	73	73
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

- a subsidiary OPCS-4 code indicating that the procedure was performed under GA.

For the insertion of pacemaker HRGs (**EY03*–EY08***), escalation to the “with other Percutaneous Intervention” HRGs can occur where an additional percutaneous cardiac intervention is recorded alongside the pacemaker procedure.

The **EY16 Extraction of Cardiac Pacemaker or Cardioverter Defibrillator** HRGs are derived with a dominant procedure of pacemaker removal, or when there is a dominant procedure of pacemaker insertion or renewal, and an additional pacemaker removal procedure. In addition, both require 1 of the following:

- a diagnosis code indicating infection or complication of pacemaker recorded in any position, or
- an additional OPCS-4 code of transthoracic echocardiogram, or
- a subsidiary OPCS-4 code indicating that the procedure was performed under GA.

The Transcatheter Aortic Valve Implantation (TAVI) HRGs (**EY20*–EY21***) are differentiated by transcatheter access site. Subsidiary OPCS-4 site codes indicating the site are used to form the combination codes that map TAVI activity to the appropriate HRGs.

The complex percutaneous repair of acquired defect of heart and cardiac ablation HRGs (**EY22*–EY23***, **EY30*–EY31***) have logic to escalate activity from the Standard to the Complex HRGs where an additional therapeutic cardiac intervention from list **EY_Therap** is recorded, or to the **EY07* Implantation of Single-Chamber Pacemaker with Other Percutaneous Intervention** HRGs where an additional permanent insertion of single-chamber pacemaker procedure is recorded. In addition, for the cardiac ablation HRGs, escalation from the Standard to the Complex HRGs can occur where a subsidiary OPCS-4 code indicating a revisional operation is recorded.

For the coronary angiography HRGs (**EY42*–EY43***), escalation from the Standard to the Complex HRGs can occur where a subsidiary OPCS-4 code indicating intravascular ultrasound (IVUS), fractional flow reserve (FFR) or optical coherence tomography (OCT) is recorded. There is additional logic on OPCS-4 code **L13.3 Arteriography of pulmonary artery** to escalate activity to the Complex HRG when an additional coronary angiography procedure is recorded.

For the percutaneous coronary angioplasty HRGs (**EY40*–EY41***, **EY44***), escalation from the Standard to the Complex HRGs can occur where an additional procedure from list **EY_PCI_Proc** (contains coronary angioplasty and angiography procedures, as well as codes indicative of approaches such as IVUS, FFR, OCT, complex stents) with a summed score, including the dominant procedure, of 5 is recorded, or where subsidiary OPCS-4 codes indicating dual-access (via femoral and radial arteries) approaches are recorded. Escalation from the Standard or Complex to the Very Complex HRGs can occur where either:

- additional procedure codes from list **EY_PCI_Proc** with a summed score including the dominant procedure of 6, plus subsidiary OPCS-4 codes indicating a dual-access approach are recorded, or
- additional procedure codes from list **EY_PCI_Proc** with a summed score including the dominant procedure of 7 are recorded, or
- a primary diagnosis code indicative of chronic total occlusion of coronary artery is recorded.

In addition, there is logic to escalate activity to **EY07* Implantation of Single-Chamber Pacemaker with Other Percutaneous Intervention** where an additional permanent insertion of single-chamber pacemaker procedure is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to differentiate the renewal of various devices or transcatheter procedures.

The cardiac testing and physiology HRGs (**EY11*–EY13***, **EY50*–EY51***) have maximum length of stay logic to ensure that minor procedures such as ECGs are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a heart attack.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter FD – Digestive System Disorders

Subchapter **FD Digestive System Disorders** covers gastroenterology medicine for adults. It includes activity undertaken in admitted patient care settings.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The majority of digestive system disorders are mapped to either the Malignant Gastrointestinal Tract Disorders HRG root or the Non-Malignant Gastrointestinal Tract Disorders HRG root. However, there are disease-specific HRG roots for gastrointestinal infections, inflammatory bowel disease, gastrointestinal bleed, nutritional disorders, and abdominal pain.

Intervention splits, including those that differentiate between whether a single “minor intervention” or multiple “minor interventions” have been undertaken, are employed within all HRG roots in this subchapter. Intervention splits are used to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within 6 of the 7 HRG roots within this subchapter – up to a maximum of 4 levels – to differentiate the expected resource usage of routine and complex patients.

There are certain ICD-10 diagnosis codes that have an inherent complication within the single code, e.g. **K40.1 Bilateral inguinal hernia, with gangrene** or **K35.2 Acute appendicitis with generalized peritonitis**. Logic on HRG roots **FD03 Gastrointestinal Bleed** and **FD10 Non-Malignant Gastrointestinal Tract Disorders** ensures that where 1 of these diagnosis codes is recorded as the primary diagnosis, any complication inherent in the primary diagnosis is taken into account when calculating the CC score. This contrasts with standard grouping logic, where the primary diagnosis code is not considered when calculating a CC score.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	54	54
Total HRG Roots	7	7
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	54	54
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter FE – Digestive System Endoscopic Procedures

Subchapter **FE Digestive System Endoscopic Procedures** covers endoscopic digestive system procedures for patients of all ages. It includes activity undertaken in admitted or non-admitted care settings.

It does not include open surgical or percutaneous procedures performed on the digestive system, which map to Subchapters **FF Digestive System Open and Laparoscopic Procedures** and **YF Gastrointestinal Imaging Interventions**, respectively.

It also does not include procedures performed on the hepatobiliary and pancreatic system, which are instead found within Chapter **G Hepatobiliary and Pancreatic System** and Subchapter **YG Hepatobiliary and Pancreatic Imaging Interventions**.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	41	41
Total HRG Roots	27	27
Procedure-driven HRGs	41	41
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

The HRGs in this subchapter are differentiated based on the area of the gastrointestinal tract where the endoscopy is performed, and are separated into the following areas:

FE0*–FE1* Intermediate to complex therapeutic gastrointestinal tract endoscopy

FE2* Diagnostic and minor therapeutic upper gastrointestinal tract endoscopy

FE3* Diagnostic and minor therapeutic lower gastrointestinal tract endoscopy

FE4* Diagnostic and minor therapeutic combined upper and lower gastrointestinal tract endoscopy

FE5* Wireless capsule endoscopy

The endoscopy HRGs are also separated based on the type of scope used and whether the intervention is diagnostic, diagnostic with biopsy or therapeutic. The therapeutic HRGs are also differentiated based on the expected complexity of the procedures, into 4 levels (standard, intermediate, major and complex).

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by many of the HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 complexity category of HRGs) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates therapeutic activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded, or for certain procedures where 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is an intermediate therapeutic endoscopy, escalation to the major therapeutic endoscopy HRG can occur where an additional procedure from list **FE_Intermed_End** is recorded. This includes escalating some more

complex endoscopy activity to HRGs in Subchapter **FF Digestive System Open and Laparoscopic Procedures**.

Procedure codes that map to a base HRG root of **FE03 Intermediate Therapeutic Endoscopic, Upper or Lower Gastrointestinal Tract Procedures** can also escalate to HRG root **FE02 Major Therapeutic Endoscopic, Upper or Lower Gastrointestinal Tract Procedures** when a subsidiary OPCS-4 code indicating that the procedure was performed under image control is recorded.

Escalation to the (**FE4***) combined upper and lower gastrointestinal tract endoscopy HRGs can occur when a lower gastrointestinal tract endoscopic procedure is recorded alongside an additional upper gastrointestinal tract endoscopic procedure, and vice versa.

Although some procedure codes map directly to HRG **FE13Z Endoscopic Insertion of, Gastrojejunostomy or Jejunostomy Tube**, there is also logic on some of the insertion of gastrostomy tube procedure codes to escalate activity to this HRG where a subsidiary OPCS-4 site code of “jejunum” is recorded.

Some non-endoscopic intermediate gastrointestinal procedures group to HRGs in this subchapter when undertaken on paediatric patients, but when undertaken on adults these same procedures group to an HRG in Subchapter **FF Digestive System Open and Laparoscopic Procedures**. For this type of activity, the fact that the patient is a child is more indicative of expected resource use than the method of operation, and by combining this activity with clinically similar endoscopic activity that is expected to consume a similar level of resource, it is possible to maintain paediatric-specific HRGs.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they include several made up of 3 OPCS-4 codes. Many of the combination codes enable endoscopic procedures to be differentiated from the equivalent percutaneous procedures, which are mapped to HRG roots within Subchapter **YF Gastrointestinal Imaging Interventions**, while others identify specific ablation procedures, biopsy or cytology procedures, or renewal of prosthesis or stent procedures.

Many of the procedure-driven HRG roots in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs that differentiate the treatment of infants (0 to 1 year of age) from the treatment of older children (2 to 18 years). There are also age-specific HRG roots that separate adult and paediatric activity at the HRG root level.

The less-resource intensive HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as diagnostic colonoscopy, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has a gastrointestinal tract bleed.

Interactive CC splits are employed within several HRG roots within this subchapter – up to a maximum of 4 levels – to differentiate the expected resource usage of routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter FF – Digestive System Open and Laparoscopic Procedures

Subchapter **FF Digestive System Open and Laparoscopic Procedures** covers both laparoscopic and open surgical digestive system procedures for patients of all ages. It includes activity undertaken in admitted or non-admitted care settings.

With some exceptions, it does not include endoscopic digestive system procedures, which map to Subchapter **FE Digestive System Endoscopic Procedures**, and it does not include percutaneous procedures performed on the digestive system, which map to Subchapter **YF Gastrointestinal Imaging Interventions**.

It also does not include procedures performed on the hepatobiliary and pancreatic system, which are found within Chapter **G Hepatobiliary and Pancreatic System** and Subchapter **YG Hepatobiliary and Pancreatic Imaging Interventions**.

The surgical HRG roots within this subchapter are generally differentiated based on the site of surgery and are separated into the following open and laparoscopic surgical areas:

- FF0* Upper gastrointestinal tract procedures**
- FF1* Procedures for obesity**
- FF2* Small intestine procedures**
- FF3* Large intestine procedures**
- FF4* Anal procedures**
- FF5* General abdominal procedures**
- FF6* Hernia or herniotomy procedures**
- FF7* Multiple very complex gastrointestinal tract procedures**

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into a maximum of 5 levels. The potential range includes 7 levels (minimal, minor, intermediate, major, very major, complex and very complex), however most surgical areas do not utilise all available complexity levels.

In addition, there are several procedure-specific HRGs for high-volume procedures such as hernia repair or appendicectomy, and others for specialised procedures such as sleeve gastrectomy or insertion of neurostimulator for the treatment of faecal incontinence.

- Incontinence logic is applied to the insertion or renewal of neurostimulator / neurostimulator electrodes procedure codes to ensure that where a primary diagnosis code indicating faecal incontinence is recorded, or where a primary diagnosis code relating to a complication or adjustment of neurostimulator alongside a secondary diagnosis indicating faecal incontinence is recorded, the activity derives the appropriate

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	115	115
Total HRG Roots	37	37
Procedure-driven HRGs	115	115
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

HRG in this subchapter rather than grouping to the neurostimulator HRGs in other subchapters.

Some endoscopic procedures are mapped to HRGs within this subchapter as opposed to Subchapter **FE Digestive System Endoscopic Procedures** as their expected resource use is more akin to clinically similar digestive system procedures performed laparoscopically than to other endoscopic procedures. Additionally, some endoscopic procedures group to this subchapter in order to keep clinically similar activity within the same subchapter, e.g. procedures undertaken to treat obesity.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by most HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded or for the more complex HRGs, where 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is a Complex procedure, escalation to the related Very Complex HRG can occur where an additional procedure code from list **FF_Complex** is recorded, or where 2 additional procedure codes from list **FF_Major** are recorded.

For some activity, escalation up 2 levels can occur when an additional 2 procedures of the same complexity level as the dominant procedure are recorded.

- For example, where the dominant procedure is a Major procedure, escalation to the Complex HRG can occur where an additional 2 procedure codes from list **FF_Major** are recorded.

In the absence of an ICD-10 code to classify severe intestinal failure, logic on the major upper and lower gastrointestinal tract procedures to acknowledge the significant resource use associated with the treatment of severe intestinal failure uses various proxies to identify this activity. Where a primary diagnosis code of intestinal fistula is recorded alongside certain gastrointestinal procedures, activity can escalate 1 level. Where an OPCS-4 code classifying long-term parenteral nutrition is recorded alongside 1 of these procedures, activity can escalate 2 levels.

In addition, logic on certain colorectal, peritoneum, omentum and abdominopelvic lymph node procedure codes can escalate up 1 level where a subsidiary OPCS-4 code indicating a robotic approach is recorded.

The multiple-procedure and other (fistula and robotic approach) escalation logic can act in combination with each other to escalate a maximum of 2 levels.

- For example, activity can escalate up 2 levels where both a subsidiary OPCS-4 code indicating robotic approach and an additional procedure of equivalent complexity to the dominant procedure are recorded.

The (**FF6***) Hernia HRGs have logic to escalate activity to an HRG with higher expected resource usage when:

- a subsidiary OPCS-4 code indicating a revisional operation is recorded, or
- a subsidiary OPCS-4 code indicating that the procedure is bilateral is recorded, or
- an additional hernia procedure is recorded, or

- an additional abdominal procedure, e.g. freeing of adhesions, is recorded, or
- for incisional hernia procedures, a primary diagnosis code indicating parastomal hernia is recorded.

Certain upper gastrointestinal tract procedures have logic whereby the presence of a primary diagnosis code of obesity maps the activity to the relevant (**FF1***) surgical procedures for obesity HRGs.

In addition, there is logic on certain abdominal hernia repair and single-anastomosis duodeno-ileal bypass procedure codes to escalate activity to HRG **FF10Z Complex Surgical Procedures for Obesity** where an additional sleeve gastrectomy procedure is recorded.

Some activity with a dominant procedure mapped to an HRG in this subchapter maps to an HRG in another subchapter in certain scenarios:

- Where a procedure is undertaken on the peritoneum of a female patient with a gynaecological primary diagnosis code, or on a female patient with a diagnosis code of endometriosis in any position, activity maps to an HRG in Subchapter **MA Female Reproductive System Procedures**
- Where a diagnostic high resolution anoscopy procedure is performed alongside a colposcopy procedure, activity maps to an HRG in Subchapter **MA Female Reproductive System Procedures**
- Where an abdominal wall transplant is performed with certain other transplants, or where a primary diagnosis code indicating pancreatic disease is recorded, activity maps to an HRG in Subchapter **GA Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures**
- There is logic to ensure that where drainage of ascites is undertaken alongside an implantation of prosthesis into bladder, a general abdominal procedure HRG from this subchapter is derived, instead of an HRG from Subchapter **LB Urological and Male Reproductive System Procedures and Disorders**.

Some open intermediate gastrointestinal procedures map to HRGs in this subchapter when undertaken on adults but when undertaken on paediatric patients these same procedures map to an HRG within Subchapter **FE Digestive System Endoscopic Procedures**. For this type of activity, the fact that the patient is a child is more indicative of expected resource use than the method of operation, and by combining this activity with clinically similar endoscopic activity that consumes a similar level of resource, it is possible to maintain paediatric-specific HRGs.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. Several combination codes are mapped to HRGs in this subchapter, including those requiring OPCS-4 codes indicating site of stomach or specific abdominal lymph nodes. Other combination codes enable the differentiation of laparoscopic procedures from the equivalent percutaneous procedures, which are mapped to HRGs within Subchapter **YF Gastrointestinal Imaging Interventions**.

Many of the procedure-driven HRG roots in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs that differentiate the treatment of infants (0 to 1 year of age) from the treatment of older children (2 to 18 years). There are also age-specific HRG roots that separate adult and paediatric activity at the HRG root level.

The less-resource intensive HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as rubber band ligation of haemorrhoid, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has a gastrointestinal tract bleed.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 5 levels – to differentiate the expected resource usage of routine and complex patients.

There are certain diagnosis codes that have an inherent complication within the single code, e.g. **K40.1 Bilateral inguinal hernia, with gangrene** or **K35.2 Acute appendicitis with generalized peritonitis**. Logic on HRG roots **FF37 Appendicectomy Procedures**, **FF51 Major General Abdominal Procedures**, **FF60 Complex Hernia Procedures**, **FF61 Abdominal Hernia Procedures** and **FF62 Inguinal, Umbilical or Femoral Hernia Procedures** ensures that where 1 of these diagnosis codes is recorded as the primary diagnosis, any complication inherent in the primary diagnosis is taken into account when calculating the CC score. This contrasts with standard grouping logic, where the primary diagnosis code is not considered when calculating a CC score.

Differences from the HRG4+ 2024/25 Local Payment Grouper

Combination code derivation amendment

The grouping priority for combination code derivation for OPCS-4 code **A70.2 Maintenance of peripheral nerve neurostimulator** has been reordered as follows:

1 st	A702+Y032	Renewal of peripheral nerve neurostimulator
2 nd	A702+Y033	Correction of displacement of peripheral nerve neurostimulator
3 rd	A702+Y034	Other resiting of peripheral nerve neurostimulator
4 th	A702+Z112	Maintenance of sacral nerve neurostimulator

This ensures that when a renewal of sacral nerve stimulator is undertaken where both OPCS-4 codes **Y03.2 Renewal of prosthesis in organ NOC** and **Z11.2 Sacral nerve** are recorded subsidiary to **A70.2 Maintenance of peripheral nerve neurostimulator**, combination code **A702+Y032 Renewal of peripheral nerve stimulator** is derived.

When this combination code is the dominant procedure, it maps to the appropriate insertion of neurostimulator HRG depending on the primary diagnosis (or in the case of Pain Management, the treatment function code) recorded: either **AA60* Insertion of Neurostimulator for Treatment of Neurological Conditions**, **AB12Z Insertion of Neurostimulator for Pain Management**, **LB79Z Insertion of Neurostimulator for Treatment of Urinary Incontinence** or **FF47Z Insertion of Neurostimulator for Treatment of Faecal Incontinence**.

Subchapter GA – Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures

Subchapter **GA Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures** includes hepatobiliary and pancreatic system surgery for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include endoscopic hepatobiliary and pancreatic system procedures, which map to Subchapter **GB Hepatobiliary and Pancreatic System Endoscopic Procedures**, or percutaneous hepatobiliary and pancreatic system procedures, which map to Subchapter **YG Hepatobiliary and Pancreatic Imaging Interventions**.

The HRGs within this subchapter are separated based on the expected complexity of the procedures into 6 levels (minor, intermediate, major, very major, complex, and very complex).

There are also procedure-specific HRGs for high-volume procedures such as cholecystectomy, and for specialised procedures such as hepatobiliary transplants and pancreatic necrosectomy.

- The cholecystectomy HRG root is split based on whether the surgery was open or laparoscopic, the latter identified using a subsidiary OPCS-4 code indicating laparoscopic approach.

The transplant HRGs are separated into liver transplant HRGs; a pancreas transplant HRG (which includes pancreas with kidney transplants); and an HRG for multiple transplants, including both the simultaneous transplantation of multiple organs and where multiple concurrent transplants of the same organ have been undertaken.

Multiple Procedure Recognition

Multiple-procedure logic is employed by the majority of HRGs within this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded, or 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is a Major procedure, escalation to the related Very Major HRGs can occur where an additional procedure code from list **GA_Major** is recorded or where 2 additional procedure codes from list **G_Intermediate** are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	27	27
Total HRG Roots	11	11
Procedure-driven HRGs	27	27
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	No	No

Also, escalation up 2 levels can occur where an additional 2 procedures of the same complexity as the dominant procedure are recorded.

- For example, where the dominant procedure is a Major procedure, escalation to the related Complex HRGs can occur where an additional 2 procedures from list **GA_Major** are recorded.

There is logic on a handful of pancreatic procedure codes to escalate activity to an HRG with a higher expected resource use where a primary diagnosis indicating acute pancreatitis is recorded.

There is logic applied to certain procedure codes that map to HRGs in Subchapter **FF Digestive System Open and Laparoscopic Procedures** so that where a primary diagnosis code indicating pancreatic disease is recorded, an HRG from this subchapter is derived instead.

Similarly, transplantation procedures that map to HRGs in Subchapter **FF Digestive System Open and Laparoscopic Procedures** can escalate to **GA14Z Multi-Organ or Multiple Transplants** where an additional transplantation procedure code is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify endoscopic pancreatic necrosectomy, localised perfusion of liver using extracorporeal circulation, open renewal of tubal prosthesis into pancreatic duct, and donation of lobe or segment of liver.

The cholecystectomy HRG root has a paediatric age split differentiating adult activity (19 years and over) from paediatric activity (18 years and under).

The liver transplant HRG root has a paediatric age split: there is a specific HRG for adult activity (atypically defined as 18 years and over) and HRGs specific to the treatment of infants (0 to 1 year of age) and the treatment of older children (2 to 17 years).

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter GB – Hepatobiliary and Pancreatic System Endoscopic Procedures

Subchapter **GB Hepatobiliary and Pancreatic System Endoscopic Procedures** covers hepatobiliary and pancreatic system endoscopic procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include open surgical procedures performed on the hepatobiliary and pancreatic system, which map to Subchapter **GA Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures**, or percutaneous procedures, which map to Subchapter **YG Hepatobiliary and Pancreatic Imaging Interventions**.

The HRGs within this subchapter are separated into HRGs for endoscopic retrograde cholangiopancreatography (ERCP) procedures and HRGs for endoscopic ultrasound (EUS) procedures.

The therapeutic ERCP HRGs are separated based on the expected complexity of the procedures into 3 levels (intermediate, major and complex) and the 2 diagnostic ERCP HRG roots are differentiated into with/without biopsy or cytology.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs within this subchapter to escalate activity to an HRG with a higher expected resource use (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded, or 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is an Intermediate ERCP procedure, escalation to the related Complex ERCP HRGs can occur where an additional procedure code from list **G_Intermediate** is recorded or where 2 additional procedure codes from list **G_Minor** are recorded.

Also, escalation up 2 levels can occur where an additional 2 procedures of the same complexity as the dominant procedure are recorded.

- For example, where the dominant procedure is a Minor ERCP procedure, escalation to the Complex ERCP HRGs can occur where an additional 2 procedures from list **G_Minor** are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	14	14
Total HRG Roots	7	7
Procedure-driven HRGs	14	14
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

There is also logic on a handful of pancreatic procedure codes to escalate activity to an HRG with a higher expected resource usage where a primary diagnosis code indicating acute pancreatitis is recorded.

There is logic on the intermediate therapeutic procedures to escalate up 1 level when an additional diagnostic ERCP with biopsy or cytology procedure is recorded.

There is also logic on several drainage procedure codes to escalate up 1 level when a primary diagnosis code indicating acute pancreatitis is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter the majority of these are used to identify insertion of metal stent into duct procedures, with the remaining used to classify radiofrequency ablation or biopsy procedures.

There are no paediatric-specific HRGs within this subchapter due to a low volume of ERCP and EUS activity for children.

The diagnostic ERCP and EUS HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as diagnostic ERCP, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has liver failure.

Interactive CC splits are employed within many of the more complex HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter GC – Hepatobiliary and Pancreatic System Disorders

Subchapter **GC Hepatobiliary and Pancreatic System Disorders** covers all adult liver, biliary and pancreatic system disorders. It includes activity undertaken in inpatient and day case settings.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The HRGs within this subchapter are spread across 4 HRG roots, 2 of which are disease-specific – for liver failure and non-obstructive jaundice – and 2 of which contain all other hepatobiliary and pancreatic system disorders – 1 for malignant disorders and 1 for non-malignant disorders.

Intervention splits, including those that differentiate between whether a single “minor intervention” or multiple “minor interventions” have been undertaken, are employed within 3 of the 4 HRG roots in this subchapter. Intervention splits are used to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	24	24
Total HRG Roots	4	4
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	24	24
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter HC – Spinal Procedures and Disorders

Subchapter **HC Spinal Procedures and Disorders** includes spinal surgery for patients of all ages and treatment for adult spinal disorders. It includes activity undertaken as inpatient, day case or outpatient activity.

The majority of percutaneous spinal procedures map to Subchapter **YH Musculoskeletal Imaging Interventions**.

The procedure-driven HRGs within this subchapter are generally differentiated based on the type of surgery – intradural, extradural and spinal reconstruction (with and without instrumented correction).

The HRGs within this subchapter are separated into the following surgical areas:

HC5* Spinal reconstructive procedures

HC6* Extradural spinal procedures

HC7* Intradural spinal procedures

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into 6 levels for the extradural spinal procedures (minor, intermediate, major, very major, complex and very complex), 5 levels for the spinal reconstruction procedure (major, very major, complex, complex instrumented and very complex instrumented) and 2 levels for intradural spinal procedures (minor and major). There are also HRGs specific to diagnostic spinal puncture.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of procedure-driven HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic uses a scoring system that is applied to most spinal procedures which acts as a proxy so that escalation up 1 level can occur where an additional procedure of the same (with score of 2) or 1 lower complexity level (with score of 1) as the dominant procedure is recorded, or escalate up 2 levels where 2 or more additional procedures of the same or next lowest complexity as the dominant procedure are recorded (equivalent score of 6).

- For example, when the dominant procedure is a major extradural spinal procedure, escalation to the Very Major HRG can occur where an additional procedure from list **HC_IntMaj** (contains intermediate procedures with a score of 1 and major procedures with a score of 2) is recorded, or where 2 or more additional procedures from the same list with a score of 6 (equivalent to 3 major procedures), including the dominant procedure, are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	74	74
Total HRG Roots	23	23
Procedure-driven HRGs	39	39
Diagnosis-driven HRGs	35	35
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

There is escalation logic on relevant spinal procedures to escalate up 1 level, when a subsidiary OPCS-4 code indicating the procedure is bilateral is recorded.

There is logic on certain procedures to escalate up 1 level, when an additional OPCS-4 code indicating that advanced monitoring such as EPR during surgery, is recorded.

There is also logic on relevant procedures to escalate up 2 levels, when a diagnosis code indicating spinal tumour or infection is recorded in any position.

The multiple-procedure and other (bilateral, EPR) escalation logic can act in combination with each other to escalate a maximum of 2 levels.

- For example, activity with a Major extradural spinal dominant procedure can escalate up 2 levels to a Complex extradural spinal procedure HRG, where additional procedures indicating EPR and a procedure of equivalent complexity are recorded, or where a subsidiary OPCS-4 code indicating bilateral operation and an additional procedure code of equivalent complexity are recorded.

Escalation can occur from the higher complexity category extradural and intradural spinal procedure HRGs into the spinal reconstruction HRGs.

- For example, where the dominant procedure is a Major intradural procedure and an additional Major procedure is recorded, activity escalates to a Major Spinal Reconstruction HRG (the lowest complexity category of the spinal reconstruction HRGs).

Some activity with a dominant procedure mapped to HRGs in this subchapter maps to HRGs in another subchapter in certain scenarios. Where either **TFC 191 Pain Management Service** or **TFC 241 Paediatric Pain Management Service** is recorded alongside certain procedures, activity maps to an HRG in Subchapter **AB Pain Management**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are mainly used to indicate a site of spine. There are also combination codes requiring subsidiary OPCS-4 codes indicating the levels of spine operated on, to allow for direct mapping to the appropriate resource HRG.

Several of the procedure-driven HRGs in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). For the diagnostic spinal puncture HRGs, paediatric activity is further disaggregated into splits for young children (0 to 5 years of age) and the treatment of older children (6 to 18 years of age).

HC65Z Minor Extradural Spinal Procedures and HRG root **HC72 Diagnostic Spinal Puncture** employ maximum length of stay logic to ensure that minor procedures, such as a diagnostic lumbar puncture, are not used to determine the HRG for a long-stay medical patient, e.g. a child who has meningitis.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRGs within this subchapter are split based on disorder type, such as spinal cord injury, spinal tumours, and spinal infection.

Several of the diagnosis-driven HRG roots within this subchapter also employ intervention splits to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of both diagnosis-driven and procedure-driven HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter HD – Musculoskeletal and Rheumatological Disorders

Subchapter **HD Musculoskeletal and Rheumatological Disorders** covers musculoskeletal and rheumatological disorders for adult patients. It includes activity undertaken in an inpatient and day case setting.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The HRGs within this subchapter are generally differentiated based on disorder type such as soft tissue disorders, infections of bones or joints, and pathological fractures.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	35	35
Total HRG Roots	7	7
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	35	35
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter HE – Orthopaedic Disorders

Subchapter **HE Orthopaedic Disorders** covers orthopaedic injuries and complications of orthopaedic operations and trauma for adult patients only. It includes activity undertaken in inpatient and day case settings.

Adult spinal disorder HRGs can be found in Subchapter **HC Spinal Procedures and Disorders**.

Adult rheumatological and other musculoskeletal disorders can be found in Subchapter **HD Musculoskeletal and Rheumatological Disorders**.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	84	84
Total HRG Roots	15	15
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	84	84
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Most of the HRG roots within this subchapter are separated based on the site of injury, as follows:

- HE1* Hip injuries**
- HE2* Knee injuries**
- HE3* Foot injuries**
- HE4* Hand injuries**
- HE5* Arm injuries**
- HE7* Rib or chest injuries**

Within these broader areas, the HRGs are further differentiated into HRGs for fractures and HRGs for other injuries.

There are also HRG roots (**HE8***) specific to complications due to orthopaedic prosthetic devices, implants or grafts; and complications resulting from trauma or injury.

Intervention splits, including those that differentiate between whether a single “minor intervention” or multiple “minor interventions” have been undertaken, are employed within the majority of the HRG roots in this subchapter to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter HN – Orthopaedic Non-Trauma Procedures

Subchapter **HN Orthopaedic Non-Trauma Procedures** covers non-trauma orthopaedic procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Orthopaedic procedures performed for trauma can be found in Subchapter **HT Orthopaedic Trauma Procedures**.

Spinal procedures can be found in Subchapter **HC Spinal Procedures and Disorders**.

Percutaneous musculoskeletal procedures can be found in Subchapter **YH Musculoskeletal Imaging Interventions**.

Activity maps to HRGs within Subchapter **HT Orthopaedic Trauma Procedures** where a primary diagnosis code

indicating trauma from list **HT_Trauma** is recorded, with the exception of procedures that are inherently almost exclusive to the treatment of non-trauma conditions, e.g. carpal tunnel release, plantar fasciectomy, which map to HRGs within this subchapter irrespective of the primary diagnosis.

The orthopaedic procedures for non-trauma HRGs are generally differentiated based on the site of surgery, as follows:

HN1* Hip procedures for non-trauma

HN2* Knee procedures for non-trauma

HN3* Foot procedures for non-trauma

HN4* Hand procedures for non-trauma

HN5* Shoulder procedures for non-trauma

HN6* Elbow procedures for non-trauma

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into 5 levels (minimal, minor, intermediate, major, very major, with additional complex or very complex HRGs (**HN8***) that combine activity across multiple body sites. There is also a procedure-specific HRG for insertion of massive endoprosthesis.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity as the dominant procedure is recorded, or where 2 additional procedures of the next lowest complexity are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	111	111
Total HRG Roots	36	36
Procedure-driven HRGs	111	111
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

- For example, where the dominant procedure is a Major procedure, escalation to the related Very Major HRGs can occur where an additional procedure code from list **H_Major** is recorded or where 2 additional procedure codes from list **H_Int** are recorded.

Also, escalation up 2 levels can occur where an additional 2 procedures of the same complexity as the dominant procedure are recorded.

- For example, where the dominant procedure is an Intermediate procedure, escalation to the related Very Major HRGs can occur where an additional 2 procedures from list **H_Int** are recorded.

All of the multiple procedure lists used within this subchapter also contain OPCS-4 site codes for bilateral operations, operations on multiple metacarpals or metatarsals, and multiple digits of hand or foot. This is to reflect the additional resource usage associated with multiple procedures coded using these OPCS-4 site codes.

- For example, where an Intermediate procedure was undertaken on the ring and index fingers of both hands, and therefore had subsidiary OPCS-4 codes **Z89.7 Multiple digits of hand NEC** and **Z94.1 Bilateral operation** recorded, as both of these are on list **H_Int**, the activity would escalate up 2 levels to the Very Major HRG, to reflect that 4 fingers had been operated on.

There is logic on most procedure codes to escalate up 2 levels where a diagnosis code indicating bone malignancy is recorded in any position.

In addition, there is logic on the procedures that map to the Complex HRGs to escalate activity to the Very Complex HRGs where a diagnosis code indicating infected internal orthopaedic prosthesis is recorded in any position.

Some activity with a dominant procedure mapped to an HRG in this subchapter maps to an HRG in another subchapter in certain scenarios. Where either TFC **191 Pain Management Service** or TFC **241 Paediatric Pain Management Service** is recorded alongside certain procedures, activity maps to an HRG in Subchapter **AB Pain Management**. Where certain amputation or disarticulation of bone procedures are performed on a patient with a primary diagnosis of a vascular disorder, activity maps to an HRG in Subchapter **YQ Vascular Open Procedures and Disorders**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. Although some orthopaedic OPCS-4 codes are site-specific the majority are not, therefore combination codes are used extensively in this subchapter to map activity to the appropriate site-specific HRGs. These combination codes are formed using subsidiary OPCS-4 site codes as follows:

- Combination codes containing **+HIP** – uses combination list **CL_Hip**, which contains subsidiary hip and upper leg OPCS-4 site codes, e.g. **Z76.4 Shaft of femur**, **Z57.4 Adductor muscle of thigh**.
- Combination codes containing **+KNEE** – uses combination list **CL_Knee**, which contains subsidiary knee and lower leg OPCS-4 site codes, e.g. **Z78.7 Patella**, **Z57.7 Hamstring**.
- Combination codes containing **+SHOULDER** – uses combination list **CL_Shoulder**, which contains subsidiary shoulder and upper arm OPCS-4 site codes, e.g. **Z81.1 Sternoclavicular joint**, **Z54.2 Rotator cuff of shoulder**.
- Combination codes containing **+ELBOW** – uses combination list **CL_Elbow**, which contains subsidiary elbow and lower arm OPCS-4 site codes, e.g. **Z71.1 Olecranon process of ulna**, **Z70.2 Neck of radius**.

- Combination codes containing **+HAND** – uses combination list **CL_Hand**, which contains subsidiary hand and wrist OPCS-4 site codes, e.g. **Z72.5 Trapezium**, **Z82.4 Carpometacarpal joint of finger**.
- Combination codes containing **+FOOT** – uses combination list **CL_Foot**, which contains subsidiary foot and ankle OPCS-4 site codes, e.g. **Z85.6 Ankle joint**, **Z86.4 Metatarsophalangeal joint of great toe**.

Where a procedure has been undertaken on multiple different orthopaedic sites, including the rib and spine (which map to HRGs within subchapters **DZ Respiratory System Procedures and Disorders** and **HC Spinal Procedures and Disorders**, respectively), the following hierarchy is used to determine which site-specific combination codes are formed, as follows:

Rib > Spine > Hip > Knee > Shoulder > Elbow > Hand > Foot

- For example, where **A59.2 Total sacrifice of peripheral nerve NEC** is recorded with subsidiary site codes of **Z09.5 Posterior interosseous nerve** (on list **CL_Elbow**) and **Z09.2 Median nerve** (on list **CL_Hand**), the combination code **A592+ELBOW Partial sacrifice of peripheral nerve of elbow** would be formed and would drive grouping.

In general, for OPCS-4 codes that specify operations expected to be performed on limbs, and where a subsidiary OPCS-4 site code (that would form 1 of the combination codes mentioned above) is not recorded, the OPCS-4 code(s) are ignored for Grouping purposes.

Where an OPCS-4 code specifies an operation that could be performed elsewhere on the body, e.g. a soft tissue procedure, where a subsidiary OPCS-4 site code (that would form 1 of the combination codes mentioned above) is not recorded the OPCS-4 code maps to HRG **HN93Z Other Muscle, Tendon, Fascia or Ligament Procedures**.

This subchapter also contains **+IMAGE** combination codes that require a subsidiary OPCS-4 code indicating that the procedure is performed under image control. There are also combination codes classifying debridement or irrigation of tendon or ligament procedures.

Many of the HRG roots in this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs specific to the treatment of younger children (0 to 5 years of age) and for the treatment of older children (6 to 18 years).

All the minor and minimal procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as joint injections, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has bone cancer.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter HT – Orthopaedic Trauma Procedures

Subchapter **HT Orthopaedic Trauma Procedures** covers trauma orthopaedic procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Non-trauma procedure activity can be found in Subchapter **HN Orthopaedic Non-Trauma Procedures**.

Spinal activity can be found in Subchapter **HC Spinal Procedures and Disorders**.

Percutaneous musculoskeletal procedures can be found in Subchapter **YH Musculoskeletal Imaging Interventions**.

The trauma orthopaedic procedure HRGs are generally differentiated based on the site of surgery, as follows:

- HT1* Hip procedures for trauma**
- HT2* Knee procedures for trauma**
- HT3* Foot procedures for trauma**
- HT4* Hand procedures for trauma**
- HT5* Shoulder procedures for trauma**
- HT6* Elbow procedures for trauma**

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into 5 levels (minimal, minor, intermediate, major, very major, with additional complex HRGs (**HT8***) that combine activity across multiple sites.

Activity maps to HRGs within this subchapter rather than to HRGs in Subchapter **HN Orthopaedic Non-Trauma Procedure** where a primary diagnosis code of trauma from list **HT_Trauma** is recorded, with the exception of some procedures that are inherently almost exclusively for the treatment of non-trauma conditions, e.g. carpal tunnel release, plantar fasciectomy. These map to HRGs within Subchapter **HN Orthopaedic Non-Trauma Procedure** irrespective of primary diagnosis.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded, or where 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is a Major procedure, escalation to the related Very Major HRGs can occur where an additional procedure code from list **H_Major** is recorded or where 2 additional procedure codes from list **H_Int** are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	87	87
Total HRG Roots	26	26
Procedure-driven HRGs	87	87
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Also, escalation up 2 levels can occur where an additional 2 procedures of the same complexity as the dominant procedure are recorded.

- For example, where the dominant procedure is an Intermediate procedure, escalation to the related Very Major HRGs can occur where an additional 2 procedures from list **H_Int** are recorded.

All of the multiple procedure lists used within this subchapter also contain OPCS-4 site codes for bilateral operations, operations on multiple metacarpals or metatarsals, and multiple digits of hand or foot. This is to reflect the additional resource use associated with multiple procedures coded using these OPCS-4 site codes.

- For example, where an Intermediate procedure was undertaken on the ring and index fingers of both hands, and therefore had subsidiary OPCS-4 codes **Z89.7 Multiple digits of hand NEC** and **Z94.1 Bilateral operation** recorded, as both of these are on list **H_Int**, the activity would escalate up 2 levels to the Very Major HRG, to reflect that 4 fingers had been operated on.

There is logic on most procedure codes to escalate up 2 levels where a diagnosis code indicating bone malignancy is recorded alongside the primary diagnosis code of trauma.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. Although some orthopaedic OPCS-4 codes are site-specific the majority are not, therefore combination codes are used extensively in this subchapter to map activity to the appropriate site-specific HRGs. These combination codes are formed using subsidiary OPCS-4 site codes as follows:

- Combination codes containing **+HIP** – uses combination list **CL_Hip**, which contains subsidiary hip and upper leg OPCS-4 site codes, e.g. **Z76.4 Shaft of femur, Z57.4 Adductor muscle of thigh**.
- Combination codes containing **+KNEE** – uses combination list **CL_Knee**, which contains subsidiary knee and lower leg OPCS-4 site codes, e.g. **Z78.7 Patella, Z57.7 Hamstring**.
- Combination codes containing **+SHOULDER** – uses combination list **CL_Shoulder**, which contains subsidiary shoulder and upper arm OPCS-4 site codes, e.g. **Z81.1 Sternoclavicular joint, Z54.2 Rotator cuff of shoulder**.
- Combination codes containing **+ELBOW** – uses combination list **CL_Elbow**, which contains subsidiary elbow and lower arm OPCS-4 site codes, e.g. **Z71.1 Olecranon process of ulna, Z70.2 Neck of radius**.
- Combination codes containing **+HAND** – uses combination list **CL_Hand**, which contains subsidiary hand and wrist OPCS-4 site codes, e.g. **Z72.5 Trapezium, Z82.4 Carpometacarpal joint of finger**.
- Combination codes containing **+FOOT** – uses combination list **CL_Foot**, which contains subsidiary foot and ankle OPCS-4 site codes, e.g. **Z85.6 Ankle joint, Z86.4 Metatarsophalangeal joint of great toe**.

Where a procedure has been undertaken on multiple different orthopaedic sites, including the rib and spine (which map to HRGs within subchapters **DZ Respiratory System Procedures and Disorders** and **HC Spinal Procedures and Disorders**, respectively), the following hierarchy is used to determine which site-specific combination codes are formed, as follows:

Rib > Spine > Hip > Knee > Shoulder > Elbow > Hand > Foot

- For example, where **A59.2 Total sacrifice of peripheral nerve NEC** is recorded with subsidiary site codes of **Z09.5 Posterior interosseous nerve** (on list **CL_Elbow**) and **Z09.2 Median nerve** (on list **CL_Hand**), the combination code **A592+ELBOW Partial sacrifice of peripheral nerve of elbow** would be formed and would drive grouping.

In general, for OPCS-4 codes that specify operations expected to be performed on limbs, and where a subsidiary OPCS-4 site code (that would form 1 of the combination codes mentioned above) is not recorded, the OPCS-4 code(s) are Ignored for Grouping purposes.

Where an OPCS-4 code specifies an operation that could be performed elsewhere on the body, e.g. a soft tissue procedure, where a subsidiary OPCS-4 site code (that would form 1 of the combination codes mentioned above) is not recorded the OPCS-4 code maps to HRG **HN93Z Other Muscle, Tendon, Fascia or Ligament Procedures**.

This subchapter also contains **+IMAGE** combination codes that require a subsidiary OPCS-4 code indicating that the procedure is performed under image control. There are also combination codes classifying debridement or irrigation of tendon or ligament procedures.

Many of the HRG roots in this subchapter employ age splits: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). In addition, there are some HRGs specific to the treatment of younger children (0 to 5 years of age) and for the treatment of older children (6 to 18 years).

All the minor procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as joint injections, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has broken a hip.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter JA – Breast Procedures and Disorders

Subchapter **JA Breast Procedures and Disorders** covers breast procedures for patients of all ages and adult breast disorders. It includes activity undertaken in inpatient, day case and non-admitted care settings.

It does not include percutaneous breast imaging interventions, which map to HRGs within Subchapter **YJ Breast Imaging Interventions**.

The breast procedure HRGs within this subchapter are separated based on type of breast surgery, with HRGs specific to breast reconstruction procedures and other breast surgery.

The non-reconstructive breast surgery HRGs are differentiated based on the expected complexity of the procedures, into 4 levels (minor, intermediate, major and very major).

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed across the non-reconstructive breast surgery HRGs in this subchapter to escalate activity to an HRG with the next highest expected resource usage where an additional procedure of the same complexity level as the dominant procedure is recorded, or where 2 additional procedures of the next lowest complexity level are recorded.

- For example, where the dominant procedure is an Intermediate procedure, escalation to the related Major HRGs can occur when an additional procedure from list **JA_Int** is recorded, or where 2 additional procedures from list **JA_Minor** are recorded.

The Very Major HRGs can be derived when a major breast excision or partial augmented reconstruction procedure is recorded alongside a breast implant or lymph node dissection procedure, or a breast implant procedure is recorded alongside a subsidiary OPCS-4 code indicating mesh or acellular dermal matrix is used.

The therapeutic mammoplasty HRGs are derived when a mammoplasty or mastopexy procedure is recorded alongside a partial excision of breast procedure.

The multiple-procedure and bilateral escalation logic can act in combination with each other to derive the appropriate HRG.

- For example, **JA39Z Bilateral Very Major Breast Procedures** can be reached when major breast procedures, such as mastectomy and block dissection of axillary lymph nodes are both recorded alongside an additional OPCS-4 code indicating bilateral operation.

The breast reconstruction surgery HRGs are differentiated based on the type of reconstruction employed – pedicled myocutaneous or free perforator flap, whether the

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	35	35
Total HRG Roots	20	20
Procedure-driven HRGs	24	24
Diagnosis-driven HRGs	11	11
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

surgery is performed immediately (after mastectomy) or at a later date (delayed), and whether a uni- or bilateral operation is undertaken.

The immediate breast reconstruction HRGs are derived when an additional mastectomy procedure is recorded alongside the breast reconstruction procedure.

All the procedure-driven HRGs are also separated into unilateral and bilateral HRGs – the latter can include either the identical procedure performed on both breasts, i.e. reduction mammoplasty with OPCS-4 code indicating bilateral operation, or procedures of the equivalent resource usage being performed on both breasts, i.e. lumpectomy with the OPCS-4 code indicating left sided operation and mammoplasty (oncoplasty) with the OPCS-4 code indicating right-sided operation.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to capture the aspiration of breast haematoma and renewal of breast expander procedures.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric breast surgery activity.

The minor procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as injection into breast, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has breast cancer.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The 2 diagnosis-driven HRGs for adult breast disorders are differentiated based on whether the disorder is malignant or non-malignant.

Both adult diagnosis-driven HRG roots employ intervention splits to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the diagnosis-driven and many of the procedure-driven HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter JB – Burns Procedures and Disorders

Subchapter **JB Burns Procedures and Disorders** covers all aspects of burns care for both adults and children. It includes activity undertaken in inpatient, day case and non-admitted care settings.

The majority of HRGs within this subchapter are differentiated by the severity score of the burn, derived after evaluating a combination of factors such as the total body surface area (TBSA) affected, the degree of burn, the location of burn, inhalation injury, the patient age and complications and comorbidities. These HRGs are further differentiated by the number and type of interventions recorded in the form of an intervention score.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) for burns care groups to an HRG within this subchapter, rather than to an HRG in Chapter **P Diseases of Childhood and Neonates**.

The burns HRG design incorporates Core 7 (Burns) logic, to ensure that records with a diagnosis code indicating a second or third degree burn recorded in any position, maps to a burns HRG, irrespective of the primary diagnosis code or any procedures recorded.

However, records with a primary diagnosis code of a first degree burn, unspecified degree burn, or burn of respiratory or genitourinary tract (which are classed as equivalent to a second / third degree burn for the purpose of the HRG design, but as internal burns do not require TBSA to be recorded) only map to a burns HRG where no significant procedures are recorded.

Records with a dominant procedure specific to the treatment of burns (OPCS-4 code categories **S54.- Exploration of burnt skin of head or neck** and **S55.- Exploration of burnt skin of other site**) also map to a burns HRG as there are procedure-specific HRGs for the treatment of burns – debridement of burn and cleansing and dressing of burn – which are generated when the activity does not map to the severity category HRGs, i.e. in an outpatient setting, where diagnosis codes are not yet mandated for use and therefore are not utilised in grouping.

With the exception of internal burns, the absence of a diagnosis code indicating TBSA of burn derives HRG **UZ01Z Data Invalid for Grouping**, as the TBSA percentage is required to appropriately determine resource usage.

There are specific HRGs for unspecified degree of burn, split into 1 HRG for adults (16 years and over) activity and 1 HRG for paediatric activity (15 years and under). It is hoped that the

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	38	38
Total HRG Roots	23	23
Procedure-driven HRGs	4	4
Diagnosis-driven HRGs	34	34
Age Splits	Yes	Yes
Complications and Comorbidities Splits*	No	No
Intervention Splits#	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes
* Although this subchapter does not have CC splits, CCs are built into the severity score logic		
# Many HRGs in this subchapter have intervention score splits (see flow diagram); however, unlike other subchapters, these are <u>not</u> generated via the Interventions List		

activity reported against these HRGs reduces over time as more appropriate coding of the severity of burn is captured.

There are also specific HRGs for patients receiving treatment for second or third degree burns that are either transferred out from a provider (using discharge destination) or die (using discharge method) within 2 days or less, to reflect that the resource usage associated with these patients is very different to that of patients undergoing long term treatment, often for very severe burns.

All other treatment of burns maps to 1 of the different levels of severity category HRGs, which are also split by age (16 years and over/15 years and under) and/or intervention score – generated by the presence of procedures such as skin grafts.

In order to simplify the design, dummy HRG roots are used to map records via Core 7 (Burns) logic for second and third degree burns, or via Core 1 (standard) logic for first degree and internal burns, to a base severity category HRG root as below:

- **JB89 Treatment of Burn, with Severity Score 1** – Enables direct mapping to JB49 and JB58
- **JB90 Treatment of Burn, with Severity Score 2** – Enables direct mapping to JB48 and JB57 (For First Degree Burns)
- **JB91 Treatment of Burn, with Severity Score 2** – Enables direct mapping to JB48, JB55 and JB57 (For Second and Third Degree Burns)
- **JB92 Treatment of Burn, with Severity Score 3** – Enables direct mapping to JB47, JB55 and JB56
- **JB93 Treatment of Burn, with Severity Score 4** – Enables direct mapping to JB46, JB52 and JB54
- **JB94 Treatment of Burn, with Severity Score 5** – Enables direct mapping to JB43, JB45, JB52 and JB53
- **JB95 Treatment of Burn, with Severity Score 6** – Enables direct mapping to JB43, JB44 and JB51
- **JB96 Treatment of Burn, with Severity Score 7** – Enables direct mapping to JB42 and JB51
- **JB97 Treatment of Burn, with Severity Score 8-9** – Enables direct mapping to JB41 and JB50
- **JB98 Treatment of Burn, with Severity Score 10+** – Enables direct mapping to JB40 and JB50

For second or third degree burns (external burns only), grouped via Core 7 (Burns) logic, Core 3 escalation logic is then used to determine the final severity category dummy HRG root, and then the final HRG is determined using age and intervention criteria as described below.

The base severity category HRG is determined by a combination of the depth of the burn, i.e. degree, and the TBSA.

The ICD-10 diagnosis codes for TBSA are differentiated into bands representing 10% TBSA, e.g. **T31.0 Burns involving less than 10% of body surface** and **T31.1 Burns involving 10-19% of body surface**. However, there is a significant resource difference between a patient with a burn of 1% TBSA compared to a patient with a burn of 9% TBSA, both of which would be captured using the same ICD-10 diagnosis code.

Therefore, for patients with a diagnosis code recorded indicating a TBSA of <20%, a proxy measure of calculating TBSA has been devised using the average % body surface burned of each region of the body, as shown in the table below:

Body Site (as per ICD-10 diagnosis codes)	Proxy % TBSA (where <10% TBSA ICD-10 diagnosis code)	Proxy % TBSA (where 10–19% TBSA ICD-10 diagnosis code)
Head and Neck	1.5	3
Trunk	3	9
Upper Limb	1	2
Hand and Wrist	1	2
Lower Limb	2	4
Foot and Ankle	2	4
Multiple Areas	3	9
Unspecified Area	1	2

Where, for example, an ICD-10 code indicating TBSA <10% is recorded alongside an ICD-10 code of a burn of hand, this has a proxy TBSA of 1%, whereas an ICD-10 code of burn of trunk has a proxy TBSA of 3%. Therefore, where both are recorded, the total proxy TBSA is 4%. Likewise, where an ICD-10 code indicating TBSA of 10–19% alongside ICD-10 codes of burn of head (3%), trunk (9%) and foot (4%), the proxy TBSA is 16%.

Note that only unique ICD-10 burns diagnosis codes (including the primary diagnosis code) contribute to proxy TBSA scoring, e.g. where **T20.2 Burn of second degree of head and neck** is recorded as both the primary and secondary diagnosis this only counts once when determining the proxy TBSA.

For information, for this to be implemented in the design, each of these values has been multiplied by 10, e.g. a Head and Neck value of 1.5 becomes 15. Therefore, the check at flag level for 1–4% TBSA proxy checks for a minimum value of 15, and the check at flag level for 15–19% TBSA checks for a minimum value of 150.

This enables differentiation of expected resource usage between patients with <1% (the 1% proxy TBSA are assumed to be <1% for HRG derivation), 1–4% (which would actually start at 1.5%), 5–9%, 10–14% and 15–19% TBSA. Therefore, activity which maps to a burns HRG can map to the following base severity categories:

% TBSA / Degree of burn	Start Severity Score
1 st degree <20%	1
1 st degree >20%, or 2 nd /3 rd degree <1%	2
2 nd /3 rd degree 1–4%	3
2 nd /3 rd degree 5–9%	4
2 nd /3 rd degree 10–14%	5
2 nd /3 rd degree 15–19%	6
2 nd /3 rd degree 20–29%	7
2 nd /3 rd degree 30–39%	8
2 nd /3 rd degree 40%+	9

Escalation to a higher severity category HRG – up to a maximum of 1 severity category for first degree burns (enabled via Core 1 standard grouping logic) and 3 severity categories for second / third degree burns (enabled via Core 3 escalation logic) – can occur depending on other relevant information such as age, complications and comorbidities (CC), burns to face, hands or feet – i.e. burns that are more resource intensive due to location such as leaving the patient unable to walk, feed themselves, etc., and whether the patient has an inhalation injury or an electric burn or a combination thereof.

Escalation to the various severity categories can occur based on the criteria laid out in the table below:

Complicating factor	No escalation	Up 1 Severity Category	Up 2 Severity Categories	Up 3 Severity Categories
Age	<60	60–79	80 or above	-
CC Score	<3	3–5	6–8	9+
Burn involving face, hands, or feet	0 or 1 of these areas	2 of these areas, e.g. face and hand	3 of these areas, e.g. face, hands, and feet	-
Inhalation Injury requiring invasive ventilation	-	-	-	Yes
Electric burn	-	-	-	Yes

Note that only unique ICD-10 burns diagnosis codes (including the primary diagnosis code) contribute to severity escalation, e.g. where **T20.2 Burn of second degree of head and neck** is recorded as both the primary and secondary diagnosis, this only counts once in the calculation of burns of face, hands or feet.

A combination of these factors triggers escalation, but for first degree burns the maximum escalation is up 1 severity category – from JB89 Severity Score 1 to JB90 Severity Score 2, via Core 1 standard grouping logic, with the exception of electric burns, which escalates to dummy HRG root JB94 Severity Score 5. The latter escalation is also applied to unspecified burns.

For second and third degree burns, the maximum escalation is up 3 severity categories, e.g. from JB92 Severity Category 3 to JB95 Severity Category 6, via Core 3 escalation logic.

- For example, where a record derives a base dummy HRG root of JB91 Severity Score 2 (from Core 7 or Core 1 logic) and has an age of 65 years old; burns of face and feet and unique secondary ICD-10 diagnosis codes that sum to a CC score of 3, then as each of these complicating factors would escalate the patient up 1 severity category level, the combination of these factors escalates the patient up 3 severity categories to a JB94 Severity Score 5 dummy HRG root.
- And where a record derives a base dummy HRG root of JB93 Severity Score 4 and has an age of 85 years old; unique secondary diagnoses that sum to a CC score of 7; and an inhalation injury requiring invasive ventilation, then although these complicating factors combined would result in an escalation value of 7, noting that the maximum escalation is 3 severity categories, the activity would only escalate to dummy HRG root JB96 Severity Score 7.

As the maximum severity category HRG is 8+ for children and 10+ for adults, patients cannot escalate beyond these HRGs.

The actual HRG is then derived using patient age (16 years and over/ 15 years and under) and intervention score.

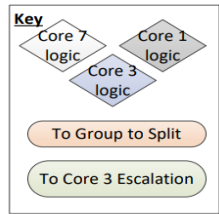
Interventions scores are either 0 – no significant burns-related intervention, 1 – a major burn intervention (e.g. skin graft) or 2 – a complex burn intervention (e.g. amputation of limb). An intervention score of 2 can be derived from 1 complex procedure or 2 major procedures.

Below is a flow diagram that shows how the burns HRGs are generated, as explained above, either using Core 7 (Burns) logic or Core 1 (standard) logic to determine whether the activity should generate a burns HRG, and the specific HRG or base severity category dummy HRG based on degree of burn and TBSA. Where appropriate, Core 3 logic and standard Core 1 escalation logic are then used to determine the appropriate severity category of the dummy HRG root.

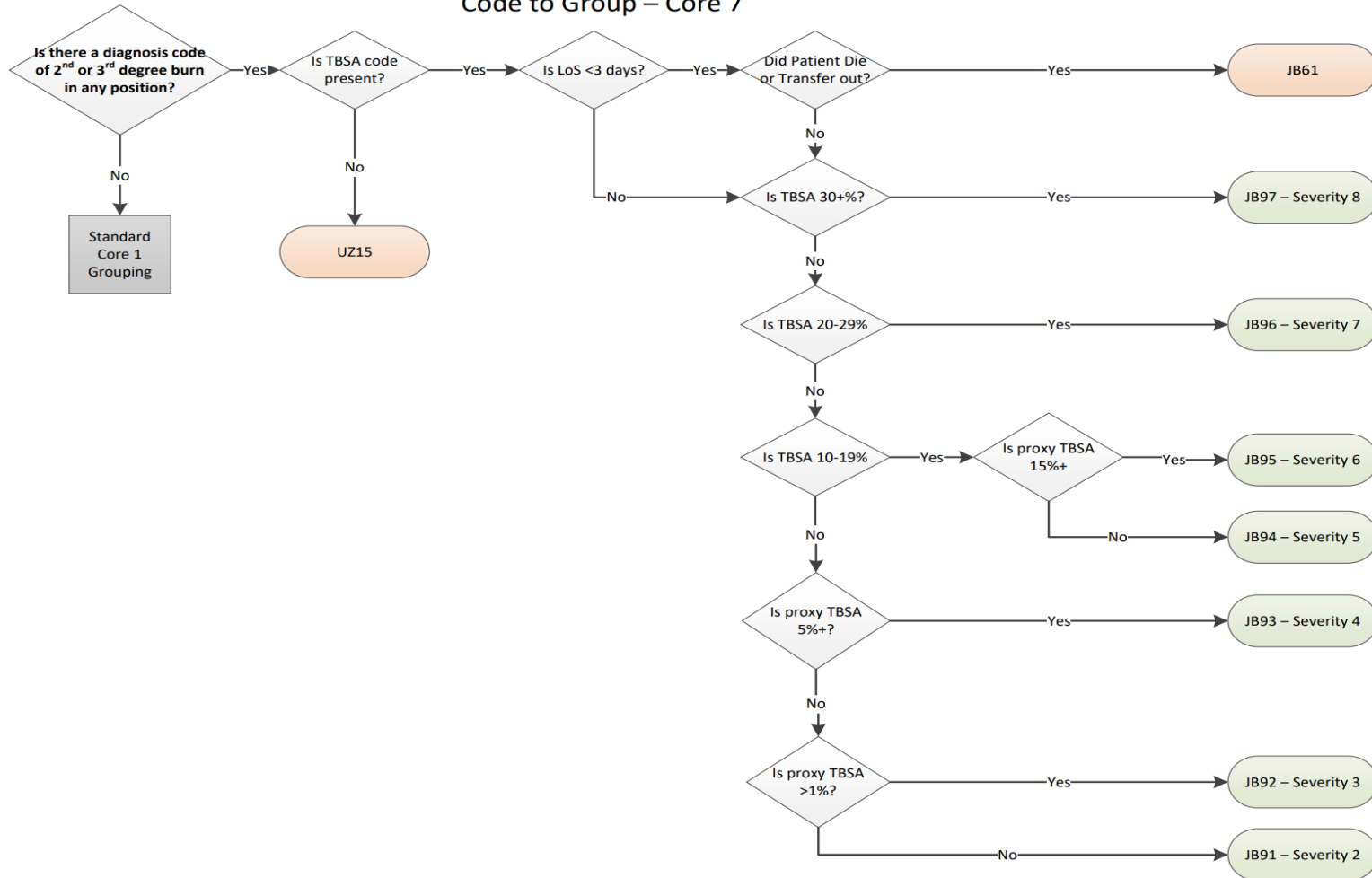
From the dummy HRG root, group to split logic (as identified in the Group to Split tab in the Code to Group Excel workbook) is used to determine the mapping of these dummy HRG roots to final HRGs based on the patient's age and intervention score.

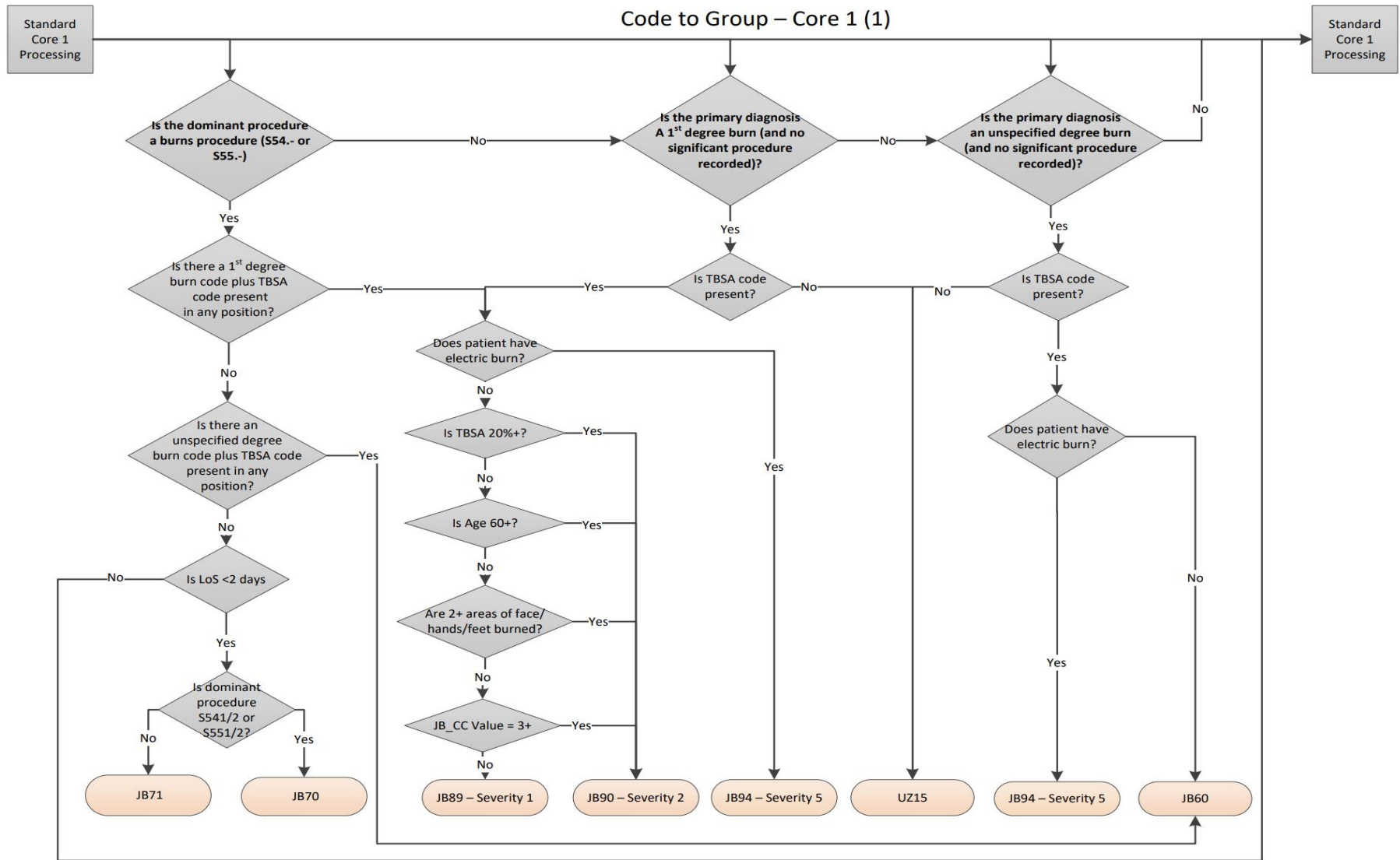
Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

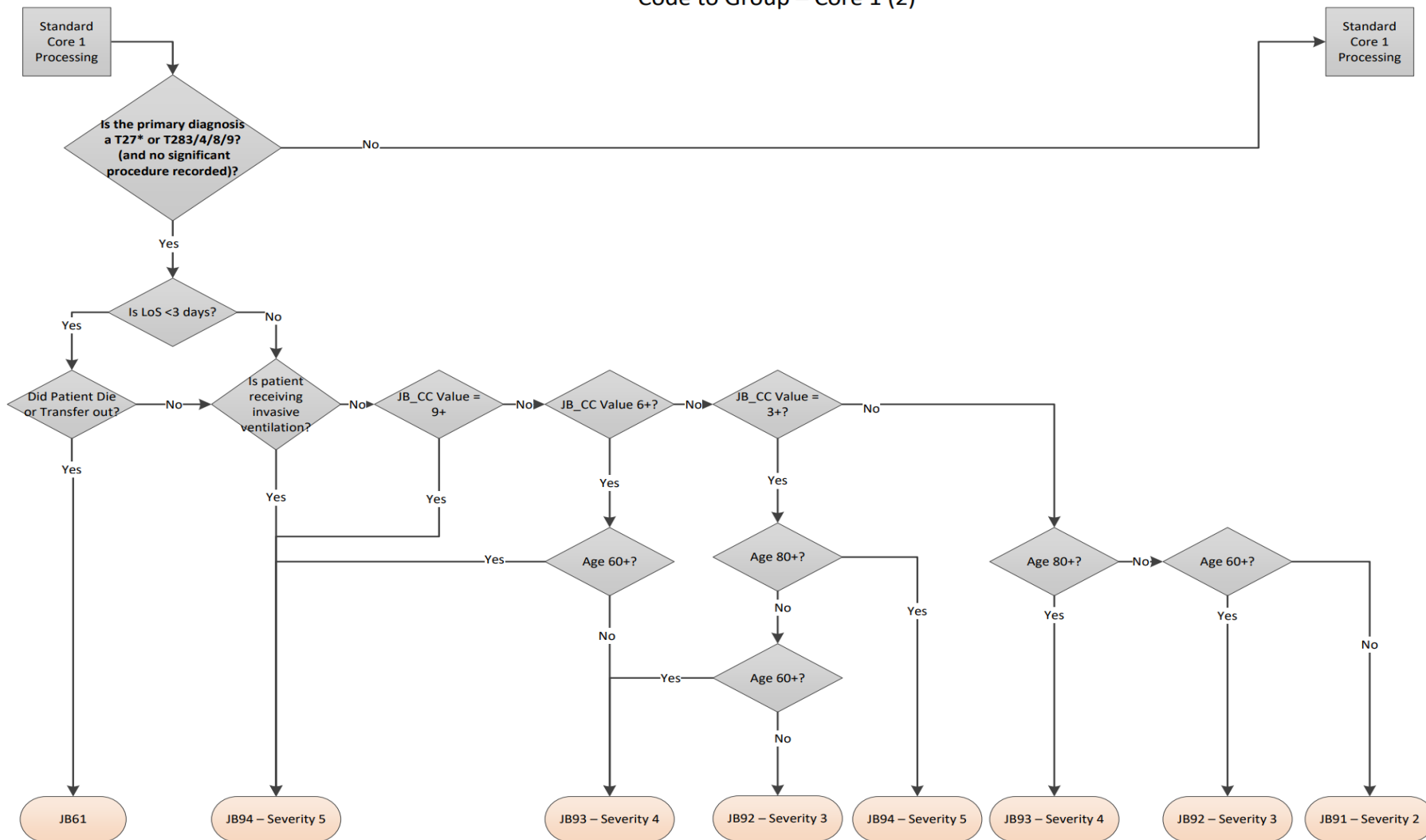


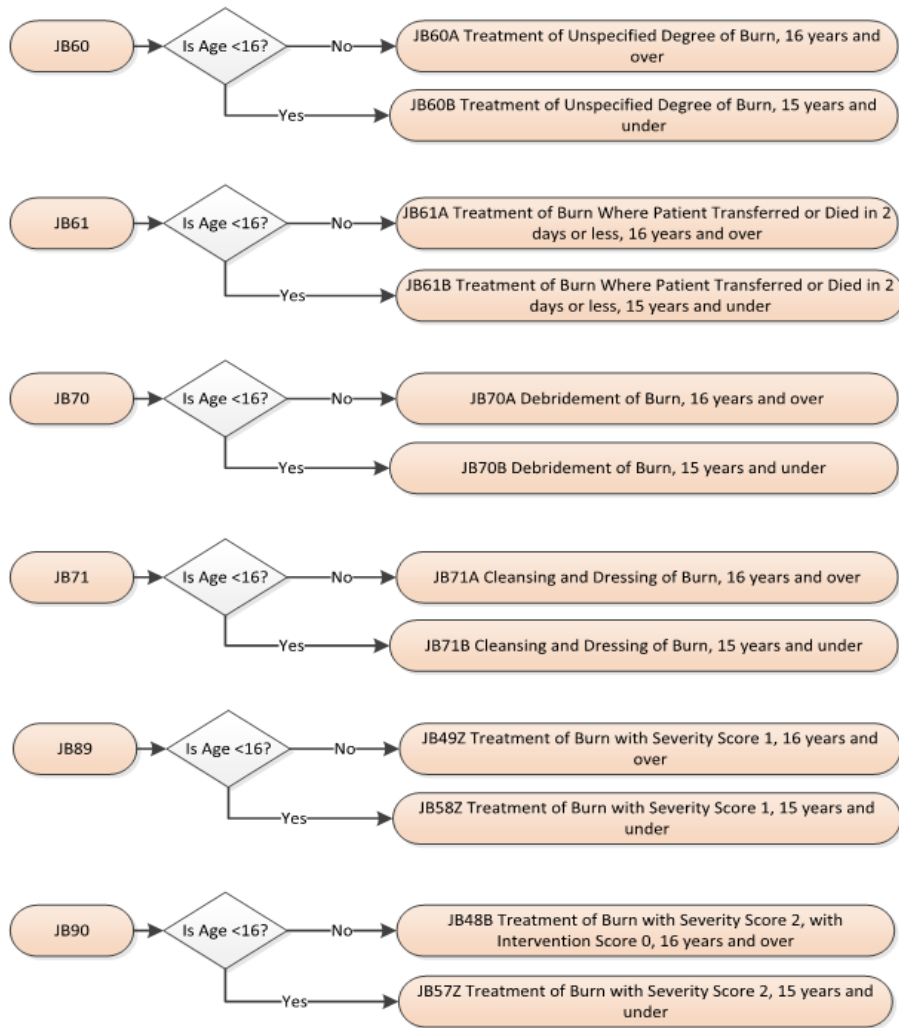
Code to Group – Core 7



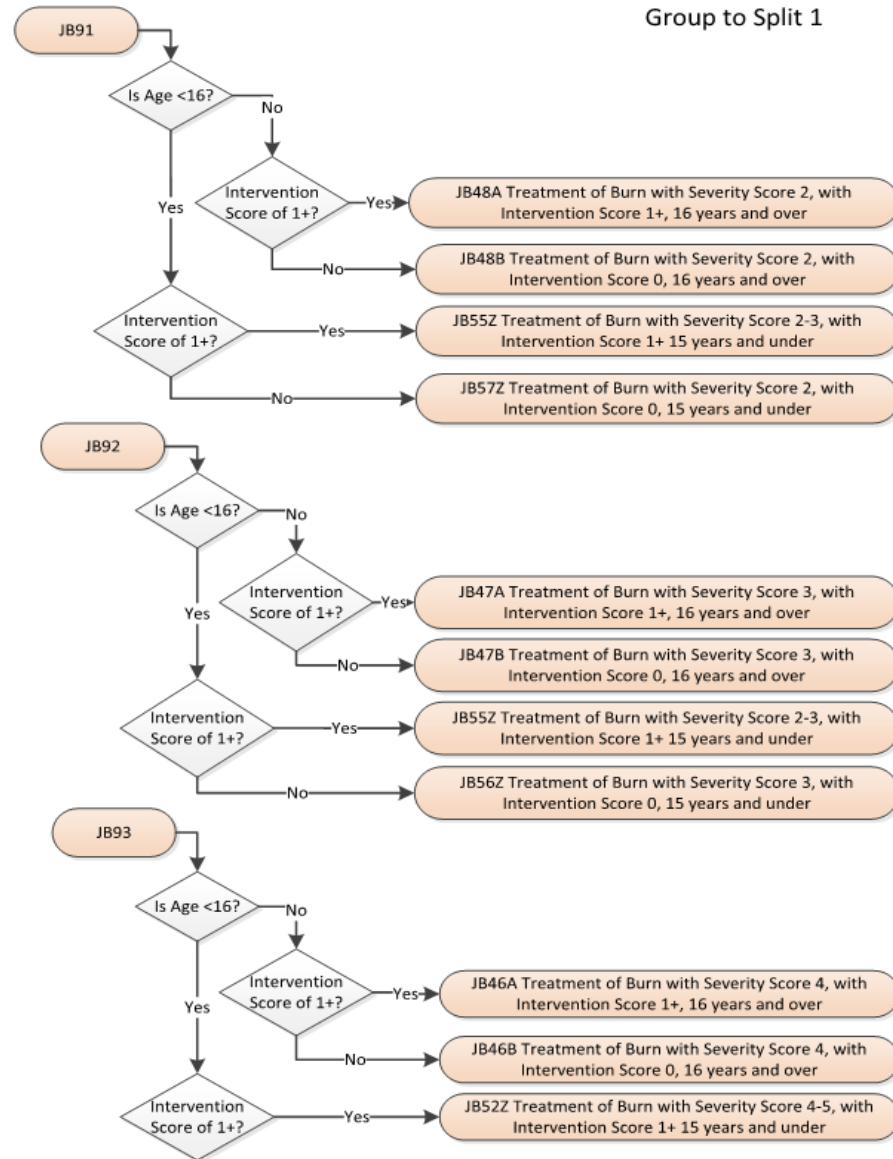


Code to Group – Core 1 (2)

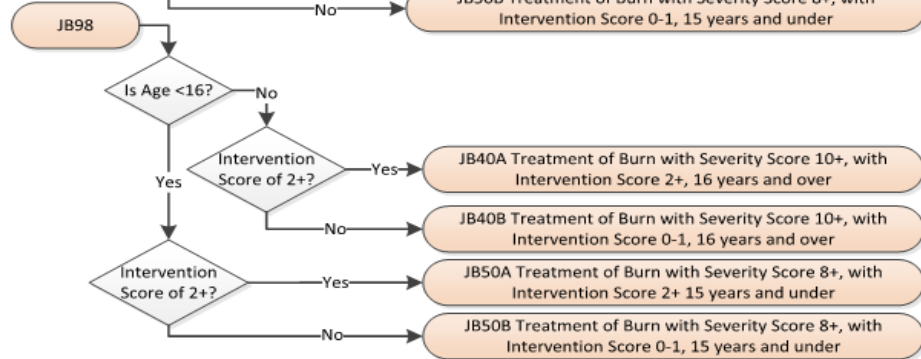
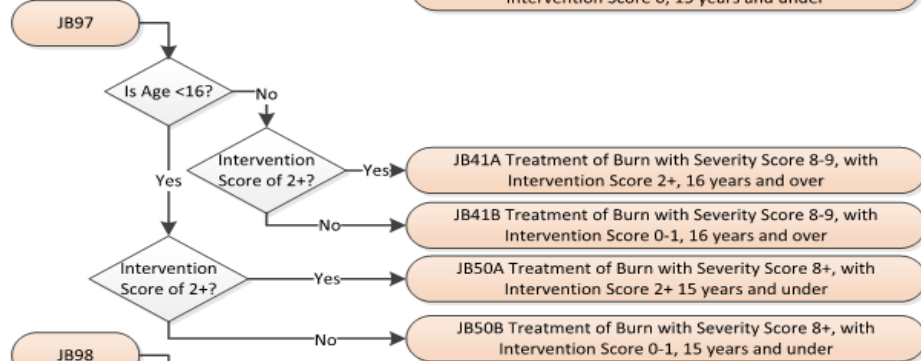
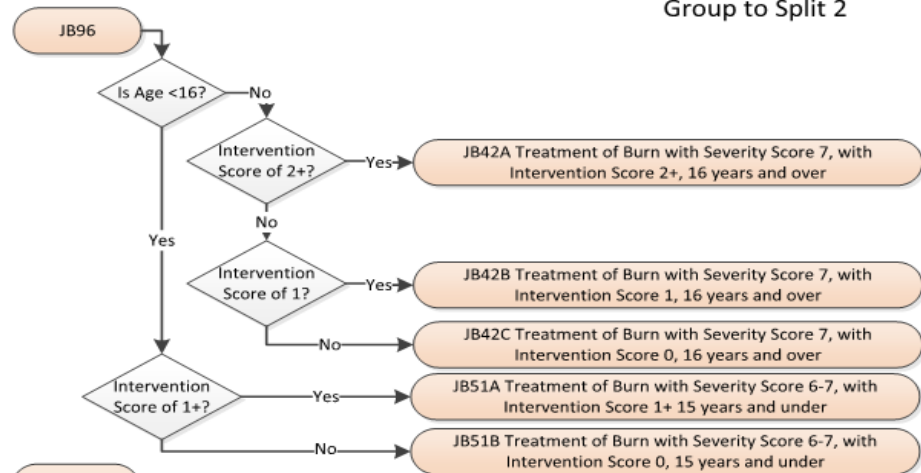
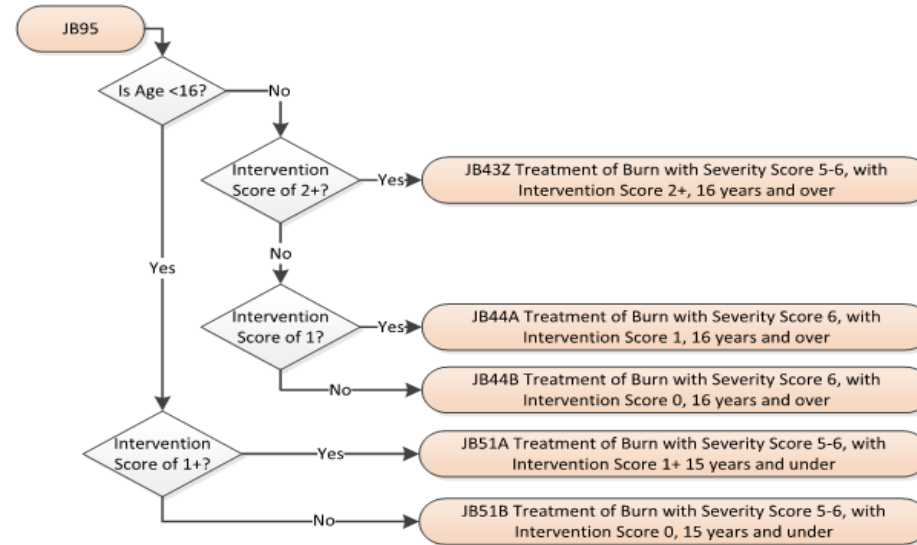
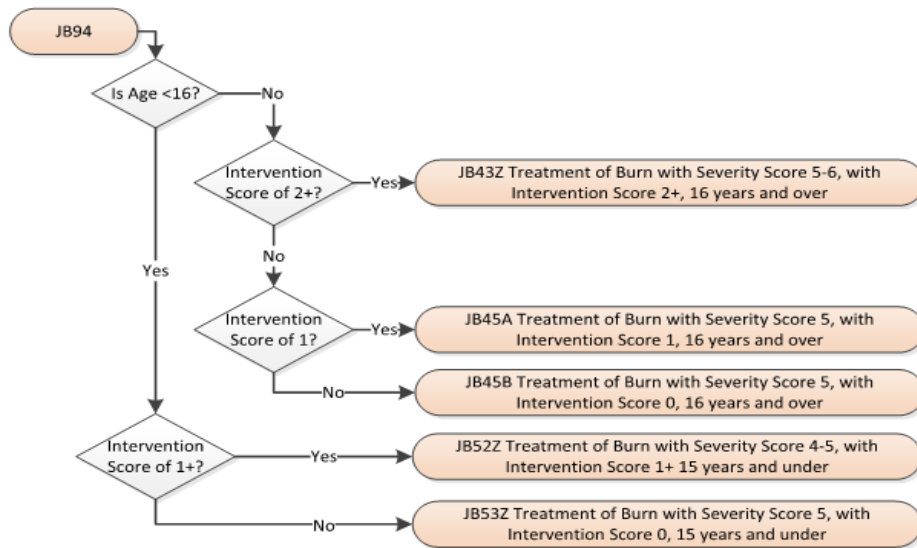




Group to Split 1



Group to Split 2



Subchapter JC – Skin Procedures

Subchapter **JC Skin Procedures** covers skin and subcutaneous tissue procedures for patients of all ages. It includes activity undertaken in admitted or non-admitted care settings.

Skin procedures on certain parts of the body map to HRGs outside of this subchapter. Nipple and areola procedures map to HRGs within Subchapter **JA Breast Procedures and Disorders**; most skin procedures of the head and neck map to HRGs within Subchapter **CA Ear, Nose, Mouth, Throat, Head and Neck Procedures**; procedures on the skin around the eye map to HRGs within Subchapter **BZ Eyes and Periorbital Procedures and Disorders**; and skin procedures on genitalia map to HRGs in either Subchapters **LB Urological and Male Reproductive System Procedures and Disorders** or **MA Female Reproductive System Procedures**.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	11	11
Total HRG Roots	8	8
Procedure-driven HRGs	11	11
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

The skin procedure HRGs within this subchapter are differentiated by the expected complexity of the procedures, into 4 levels (minor, intermediate, major and very major).

There are also HRGs specific to high volume procedures, e.g. patch testing – split into complex and standard – photodynamic therapy; and phototherapy or photochemotherapy.

Multiple-procedure logic is employed by the major skin procedure HRGs to escalate activity, where appropriate, to the very major skin procedure HRGs when an additional major skin procedure is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify laser dermabrasion, and renewal of diagnostic device into subcutaneous tissue.

Several of the HRG roots in this subchapter employ age splits. There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). The HRG root for standard patch tests includes an age split that separates post-adolescent patients (13 years and over) from pre-adolescent patients (12 years and under).

With the exception of the major and very major procedure HRGs within this subchapter, all the HRGs have maximum length of stay logic to ensure that minor procedures, such as dressing of bed sore, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

As the majority of skin procedure activity is short stay, there are no complication and comorbidity splits within this subchapter.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter JD – Skin Disorders

Subchapter **JD Skin Disorders** covers all skin disorders in adult patients. It includes activity undertaken in an inpatient and day case setting.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

The HRGs within this subchapter are all contained within a single HRG root, **JD07 Skin Disorders**.

This HRG root employs intervention splits to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within this HRG root, within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	10	10
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	10	10
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter KA – Endocrine System Procedures and Disorders

Subchapter **KA Endocrine System Procedures and Disorders** covers endocrine system disorders for adult patients and endocrine procedures for patients of all ages, with the exception of diabetes, which is covered in Subchapter **KB Diabetic Medicine**. It includes activity undertaken in an inpatient, day case and non-admitted care setting.

It does not include percutaneous procedures on the head or neck, such as thyroid biopsies, which map to Subchapter **YC Head and Neck Imaging Interventions**.

The procedure-driven HRG roots within this subchapter are differentiated based on the site of surgery, with HRGs for thyroid, parathyroid and adrenal procedures.

As the procedure-driven HRGs within this subchapter are procedure-specific, there is no multiple procedure logic within this subchapter.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRG roots within this subchapter are differentiated based on disorder type, such as anterior pituitary disorders, non-pituitary neoplasia or hypoplasia.

In certain scenarios, activity with a primary diagnosis mapped to an HRG in this subchapter maps to an HRG in another subchapter. Where a secondary diagnosis indicating diabetes is recorded alongside a primary diagnosis of hypoglycaemia, activity maps to an HRG in Subchapter **KB Diabetic Medicine**.

Interactive CC splits are employed within all procedure-driven and diagnosis-driven HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	18	18
Total HRG Roots	7	7
Procedure-driven HRGs	7	7
Diagnosis-driven HRGs	11	11
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter KB – Diabetic Medicine

Subchapter **KB Diabetic Medicine** covers all diabetic disorders in adult patients and 1 diabetes-related procedure for patients of all ages. It includes activity undertaken in an inpatient, day case and non-admitted care setting.

There is a single procedure-driven HRG within this subchapter, **KB04Z Continuous Subcutaneous Insulin Infusion**. This HRG has been designed specifically to accommodate the insertion of insulin pumps.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRG roots within this subchapter are differentiated based on the type of diabetic complication and cover hypoglycaemia, hyperglycaemia and lower limb complications.

In certain scenarios, activity with a primary diagnosis mapped to an HRG in another subchapter maps to an HRG in this subchapter, e.g. where a secondary diagnosis indicating diabetes is recorded alongside a primary diagnosis of hypoglycaemia (from Subchapter **KA Endocrine System Procedures and Disorders**) and where a secondary diagnosis of ulcer of lower limb is recorded alongside a primary diagnosis of diabetes with neurological complications (from Subchapter **AA Nervous System Procedures and Disorders**).

Interactive CC splits are employed within all diagnosis-driven HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	12	12
Total HRG Roots	4	4
Procedure-driven HRGs	1	1
Diagnosis-driven HRGs	11	11
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter KC – Metabolic Disorders

Subchapter **KC Metabolic Disorders** covers all metabolic disorders in adults aged 19 years and over. It includes activity undertaken in an inpatient and day case setting.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework.

There are 2 HRG roots within this subchapter, 1 for inborn errors of metabolism and 1 for fluid or electrolyte disorders.

An intervention split is employed within HRG root **KC05 Fluid or Electrolyte Disorders** to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within both the HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	2	2
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	9	9
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter LA – Renal Procedures and Disorders

Subchapter **LA Renal Procedures and Disorders** includes specific renal procedures for patients of all ages and all non-malignant renal disorders in adults. It includes activity undertaken in an inpatient, day case and non-admitted care setting.

The HRGs for dialysis for chronic kidney disease are only generated from the National Renal Data Set (NRD) and sit in Subchapter **LD Renal Dialysis for Chronic Kidney Disease**.

HRGs for renal dialysis for acute kidney injury are unbundled and sit in Subchapter **LE Renal Dialysis for Acute Kidney Injury**.

With the exception of procedures associated with renal transplant and dialysis, which map to HRGs within this subchapter, all other kidney procedures and renal neoplasm disorders sit within Subchapter **LB Urological and Male Reproductive System Procedures and Disorders** and Subchapter **YL Urological Imaging Interventions**.

Within this subchapter there are procedure-specific HRGs for renal transplants, and pre- and post-transplantation care of transplant donors and recipients.

There is also an HRG specific to peritoneal dialysis-associated procedures.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they tend to be used to differentiate the renewal of peritoneal dialysis catheter procedures.

With the exception of the kidney transplant HRGs, all procedure-driven HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as the insertion of a peritoneal dialysis catheter, are not used to determine the HRG for a long-stay medical patient, e.g. a person with an acute kidney injury.

The transplant-related HRG roots in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under).

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult renal disorder HRGs are split by disorder type, e.g. chronic kidney disease, urinary tract infections.

- There is logic on the diagnosis codes indicating glomerular disease to map activity to HRG roots **LA07 Acute Kidney Injury** and **LA08 Chronic Kidney Disease** where a

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	48	48
Total HRG Roots	14	14
Procedure-driven HRGs	14	14
Diagnosis-driven HRGs	34	34
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

secondary diagnosis of acute kidney injury or chronic kidney disease is recorded, respectively.

Intervention splits are also employed within all adult diagnosis-driven HRG roots to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within all adult diagnosis-driven HRG roots in this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

There are specific “empty core” HRGs **LA97A Same Day Dialysis Admission or Attendance, 19 years and over** and **LA97B Same Day Dialysis Admission or Attendance, 18 years and under**.

These HRGs are derived with a length of stay of zero days and either.

- a dialysis procedure code from OPCS-4 category **X40.- Compensation for renal failure**, or
- a diagnosis code indicating that the patient solely attended for dialysis.

However, it should be noted that patients receiving treatment solely for chronic kidney disease should only be reported via the NRD; it would not be expected for this HRG to be generated often for chronic kidney disease patients. This design ensures that the total resource usage of a patient undergoing same day renal dialysis is associated with the NRD generated **LD Renal Dialysis for Chronic Kidney Disease** HRGs or the unbundled HRGs within Subchapter **LE Renal Dialysis for Acute Kidney Injury** rather than with the core HRG.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter LB – Urological and Male Reproductive System Procedures and Disorders

Subchapter **LB Urological and Male Reproductive System Procedures and Disorders** covers urological and male reproductive system procedures for patients of all ages and adult disorders, with the exception of renal conditions and procedures relating to renal failure, which are covered in Subchapters **LA Renal Procedures and Disorders**, **LD Renal Dialysis for Chronic Kidney Disease** and **LE Renal Dialysis for Acute Kidney Injury**. It includes activity undertaken in an inpatient, day case and non-admitted care setting.

It does not include urological imaging interventions, which are included in Subchapter **YL Urological Imaging Interventions**.

The urological procedure HRGs within this subchapter are differentiated based

on procedure approach – open, laparoscopic (including robotic), or endoscopic; and on the organ operated on – bladder, kidney / ureter, prostate / bladder neck, urethra, penis, scrotum / testes / vas deferens.

- The laparoscopic-specific HRGs are reached when an additional subsidiary OPCS-4 code indicating laparoscopic approach is recorded alongside the relevant dominant procedure.

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures, into 4 levels. The potential range includes 4 levels (minor, intermediate, major and complex), but most surgical areas do not use all of the complexity levels.

There are also HRGs specific to high-volume procedures, e.g. diagnostic flexible cystoscopy, urodynamics, vasectomy and prostate biopsies, as well as specific HRGs for procedures that use high-cost devices, such as the insertion of neurostimulators and neurostimulator electrodes for the treatment of urinary incontinence.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of procedure-driven HRGs within this subchapter to escalate activity to an HRG with a higher expected resource usage (up to a maximum of 2 levels) where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded, or where 2 additional procedures of the next lowest complexity level are recorded.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	149	149
Total HRG Roots	62	62
Procedure-driven HRGs	93	93
Diagnosis-driven HRGs	56	56
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

- For example, where the dominant procedure is an Intermediate Open procedure, escalation to the related Major HRGs can occur where an additional procedure code from list **LB_Int_Open** or list **LB_Major_End** (equivalent to intermediate open) is recorded, or where 2 additional procedure codes from list **LB_Int_End** (equivalent to minor open) are recorded.

For some activity, escalation up 2 levels can occur where an additional 2 procedures of the same complexity as the dominant procedure are recorded.

- For example, where the dominant procedure is an Intermediate endoscopic procedure, escalation to the related Complex HRGs can occur where an additional 2 procedures from **LB_Int_End** are recorded.

There is also logic on certain procedures, e.g. on paired organs such as the kidney, to escalate up 1 level where a subsidiary OPCS-4 code indicating a bilateral operation is recorded.

LB69Z Major Robotic, Prostate or Bladder Neck Procedures (Male) is reached where a subsidiary OPCS-4 code indicating a robotically assisted approach is recorded. There is also logic on certain kidney and bladder procedures to escalate activity to the Complex HRGs when a subsidiary OPCS-4 code indicating a robotically assisted approach is recorded.

LB81Z Complex Open Urethra Procedures can be reached via escalation logic where a subsidiary OPCS-4 code is recorded that indicates the urethroplasties have used complex grafts, e.g. distant grafts using buccal mucosa, vulval grafts and full thickness grafts, where a subsidiary OPCS-4 site code indicates a prostatic or penile urethroplasty, or where the primary diagnosis indicates a urethral injury. In addition, this HRG can be reached where a primary diagnosis indicating a urethral diverticulum is recorded.

LB79Z Insertion of Neurostimulator for Treatment of Urinary Incontinence and **LB80Z Insertion of Neurostimulator Electrodes for Treatment of Urinary Incontinence** are reached with the relevant neurostimulator procedure code with a primary diagnosis indicating urinary incontinence, or where the primary diagnosis relates to a complication or adjustment of neurostimulator with a secondary diagnosis indicating that the device has been inserted for the treatment of urinary incontinence.

LB73Z Diagnostic Flexible Cystoscopy using Photodynamic Fluorescence is reached where a subsidiary OPCS-4 code indicating the use of photodynamic fluorescence is recorded alongside the diagnostic flexible cystoscopic procedure. In addition, therapeutic endoscopic cystoscopy activity can escalate up 1 level where a subsidiary OPCS-4 code indicating the use of photodynamic fluorescence is recorded.

LB71Z Complex Pelvic Clearance Procedures can be reached directly when a total pelvic exenteration or pelvic side wall clearance procedure is recorded, or via escalation logic, where a bladder excision or resection procedure is recorded alongside a procedure indicating that parts of the digestive system have also been resected.

Some activity with a dominant procedure mapped to an HRG in this subchapter maps to an HRG in another subchapter in certain scenarios:

- Where a drainage of ascites procedure is undertaken in addition to implantation of prosthesis into bladder, activity maps to an HRG in Subchapter **FF Digestive System Open and Laparoscopic Procedures**.
- Where a vaginal vault repair is undertaken in addition to a female bladder neck or urethra procedure, activity maps to an HRG in Subchapter **MA Female Reproductive System Procedures**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify the renewal of various devices, insertion of metal stents and procedures to treat pelvic organ prolapse and stress urinary incontinence.

Many of the HRG roots in this subchapter employ age splits: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). There are also HRGs specific to the treatment of infants (0 to 1 year of age) and those for the treatment of older children (2 to 18 years).

The diagnostic and minor procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as urinary catheterisation, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven urological disorder HRGs within this subchapter are disorder- or urinary tract site-specific, e.g. haematuria, penile disorders.

For some injury of genital organ disorders, activity undertaken on female patients maps to an HRG in Subchapter **MB Female Reproductive System Disorders**, with logic that checks for sex of female.

Intervention splits are also employed within the majority of adult diagnosis-driven HRG roots to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of both diagnosis-driven and procedure-driven HRG roots – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

Combination code derivation amendment

The grouping priority for combination code derivation for OPCS-4 code **A70.2 Maintenance of peripheral nerve neurostimulator** has been reordered as follows:

1 st	A702+Y032	<i>Renewal of peripheral nerve neurostimulator</i>
2 nd	A702+Y033	<i>Correction of displacement of peripheral nerve neurostimulator</i>
3 rd	A702+Y034	<i>Other resiting of peripheral nerve neurostimulator</i>
4 th	A702+Z112	<i>Maintenance of sacral nerve neurostimulator</i>

This ensures that when a renewal of sacral nerve stimulator is undertaken where both OPCS-4 codes **Y03.2 Renewal of prosthesis in organ NOC** and **Z11.2 Sacral nerve** are recorded subsidiary to **A70.2 Maintenance of peripheral nerve neurostimulator**, combination code **A702+Y032 Renewal of peripheral nerve stimulator** is derived.

When this combination code is the dominant procedure, it maps to the appropriate insertion of neurostimulator HRG depending on the primary diagnosis (or in the case of Pain Management, the treatment function code) recorded: either **AA60* Insertion of Neurostimulator for Treatment of Neurological Conditions**, **AB12Z Insertion of Neurostimulator for Pain Management**, **LB79Z Insertion of Neurostimulator for**



Treatment of Urinary Incontinence or FF47Z Insertion of Neurostimulator for Treatment of Faecal Incontinence.

Subchapter LD – Renal Dialysis for Chronic Kidney Disease

Subchapter **LD Renal Dialysis for Chronic Kidney Disease** captures all renal dialysis activity for patients of all ages recorded within the National Renal Data Set (NRD), which is specific to renal dialysis for chronic kidney disease.

HRGs specific to dialysis for acute kidney injury can be found in the unbundled subchapter **LE Renal Dialysis for Acute Kidney Injury**.

The HRGs in this subchapter are only generated using data from the NRD, rather than the Commissioning Data Sets (CDS).

The haemodialysis HRGs are differentiated based on location: hospital, satellite or home, vascular access type: via catheter or fistula and whether the patient has a blood-borne virus (that would require isolation).

The peritoneal dialysis HRGs are separated into continuous ambulatory peritoneal dialysis (CAPD) and automated peritoneal dialysis (APD) HRGs, with the latter further split based on whether the intervention is automated or assisted.

All of the HRG roots in this subchapter employ age splits. There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under).

The HRGs in this subchapter are derived per session from the following data items [item reference in brackets] in the NRD:

Renal Care

[1] Renal Treatment Modality – e.g. Haemodialysis, CAPD

[6] Renal Treatment Supervision Code – e.g. home, hospital

[75] Person Observation (Blood Test HBV Surface Antigen) – e.g. negative, positive

[77] Person Observation (Blood Test HCV) – e.g. negative, positive

[79] Person Observation (Blood Test HIV) – e.g. negative, positive

Dialysis

[182] Dialysis Access Type – e.g. AV fistula, haemodialysis catheter

Patient age (in years derived from date of session – date of birth)

The Grouper validates against allowable values only for renal treatment modality and renal treatment supervision code. However, for dialysis access type, blank values are accepted and, where used, map activity to the “via haemodialysis catheter” HRG split. The 3 blood-

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	26	26
Total HRG Roots	13	13
Procedure-driven HRGs	N/A	N/A
Diagnosis-driven HRGs	N/A	N/A
Age Splits	Yes	Yes
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

borne virus fields also allow for blank values, and where these are left blank the activity maps to the “without blood-borne viruses” HRG split.

The tables below illustrate the acceptable values for each field required for grouping and where validation is applicable.

Renal Treatment Modality	Description
01	CAPD (disconnect)
02	CAPD (standard)
03	CCPD (<6 nights/wk)
04	CCPD (6/7 nights/wk)
05	Haemodialysis
06	Haemofiltration
07	Haemodiafiltration
08	Ultrafiltration
09	Transplant (cad - HB)
10	Transplant (cad - NHB)
11	Transplant (LRD)
12	Transplant (LUD)
13	Conservative care
14	Recovery of renal function
15	None
Validation	Only on list. Leading zero must be included for values lower than 10.

* Note 09–15 map to U group HRG (not dialysis activity)

Treatment Supervision Code	Description
01	Home
02	Hospital
03	Satellite
04	Shared supervision
Validation	Only on list. Leading zero must be included.

Person observation (blood test HCV)	Description
POS	Positive
NEG	Negative
UNK	Unknown
Validation	On list plus blank. Must be upper case.

Person observation (blood test HIV)	Description
POS	Positive
NEG	Negative
UNK	Unknown
Validation	On list plus blank. Must be upper case.

Age	Description
(number)	(Calculated from session date - date of birth)
Validation	Within range 0 to 130 years

Fields not required for grouping but expected for identification of each session

Unique Patient ID	Description
Free text	An anonymised unique ID for each patient. Not NHS number
Validation	None

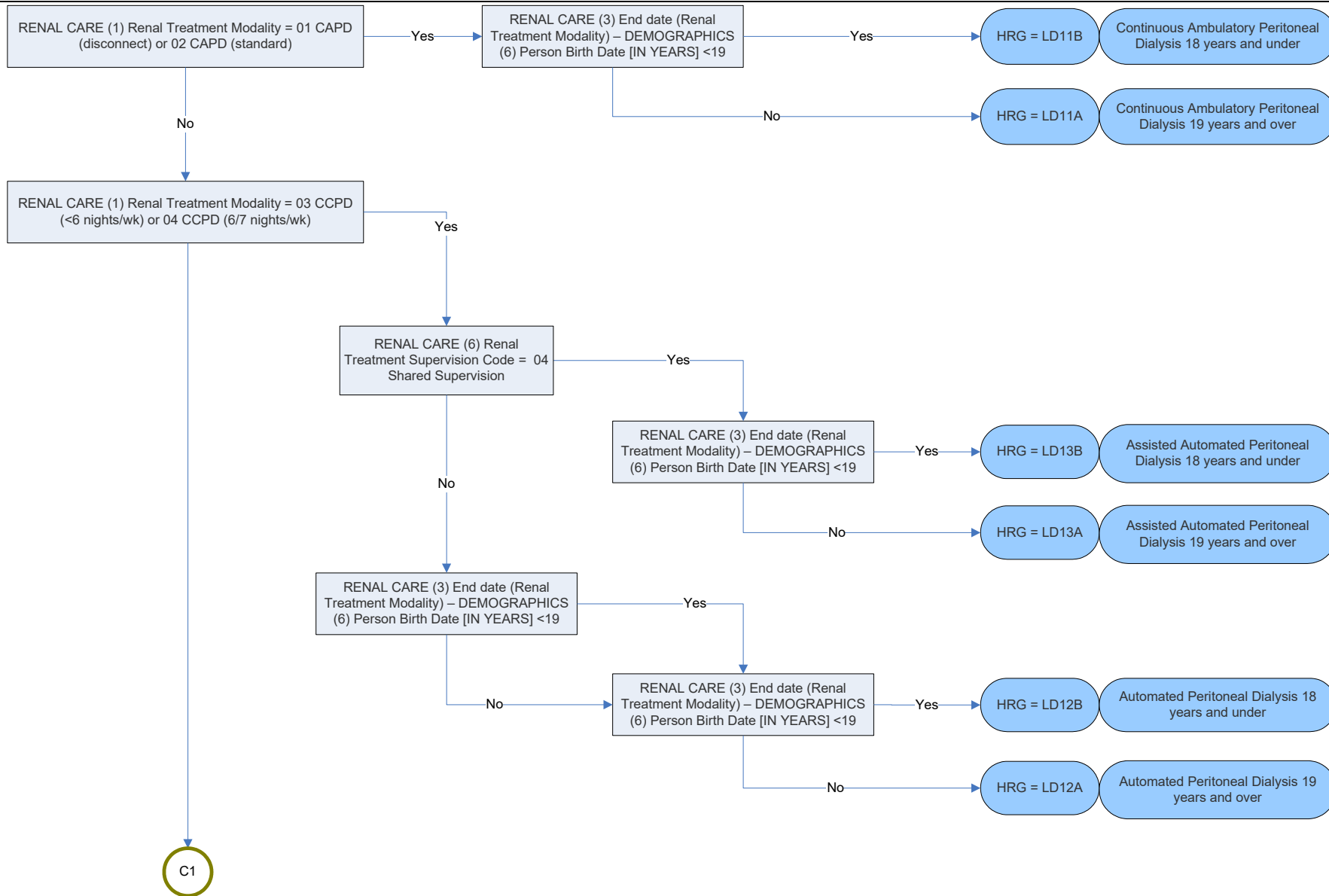
Type of dialysis access (Current)	Description
01	Non-tunnelled line
02	Tunnelled line
03	Arteriovenous fistula (AVF)
04	Arteriovenous graft (AVG)
05	Vein loop
06	PD catheter
07	PD catheter temp
Validation	On list plus blank. Leading zero must be included.

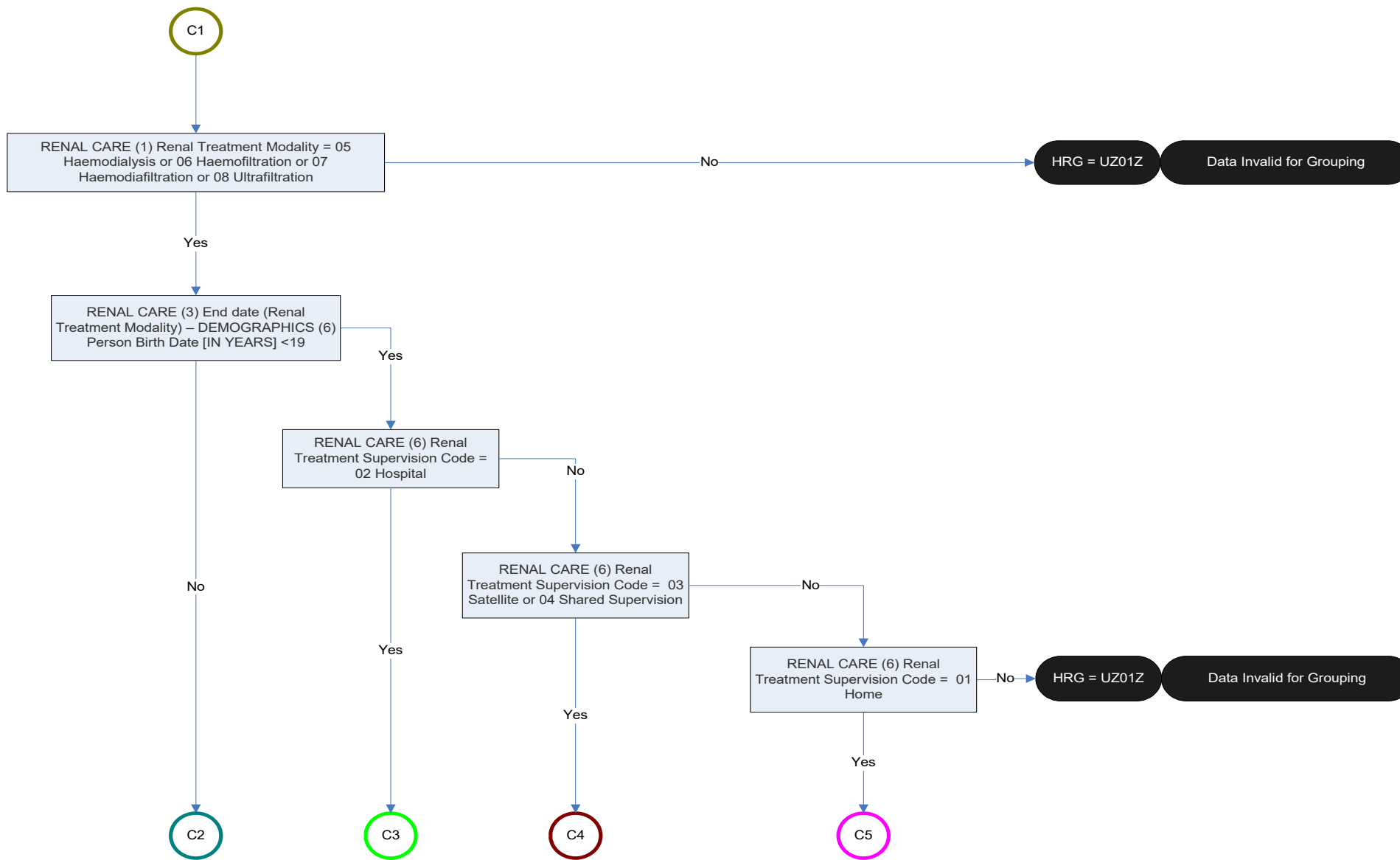
Date	Description
Free text	Date in standard format, e.g. 11/11/11 or 11-11-11
Validation	None

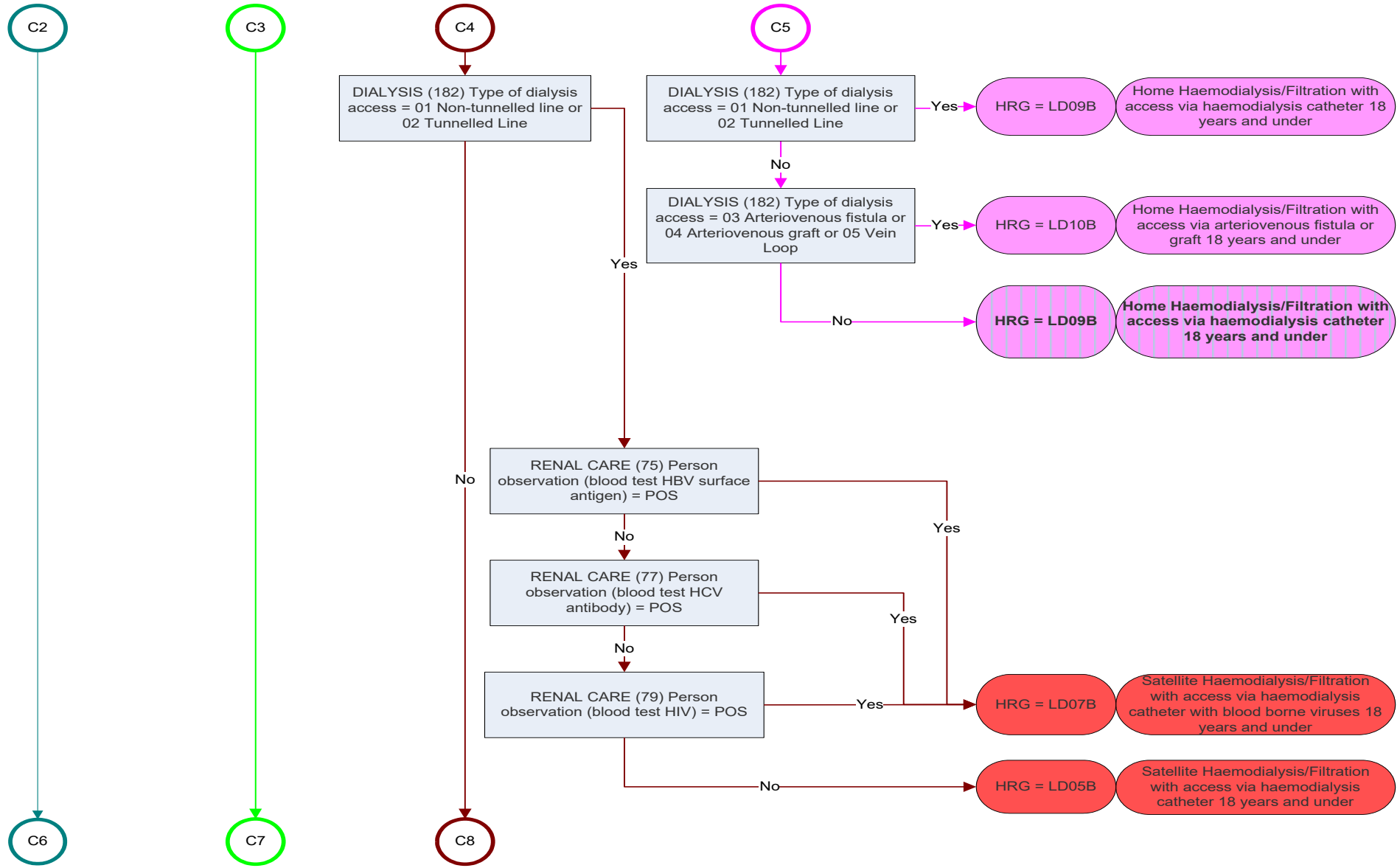
Person observation (blood test HBV surface antigen)	Description
POS	Positive
NEG	Negative
UNK	Unknown
Validation	On list plus blank. Must be upper case.

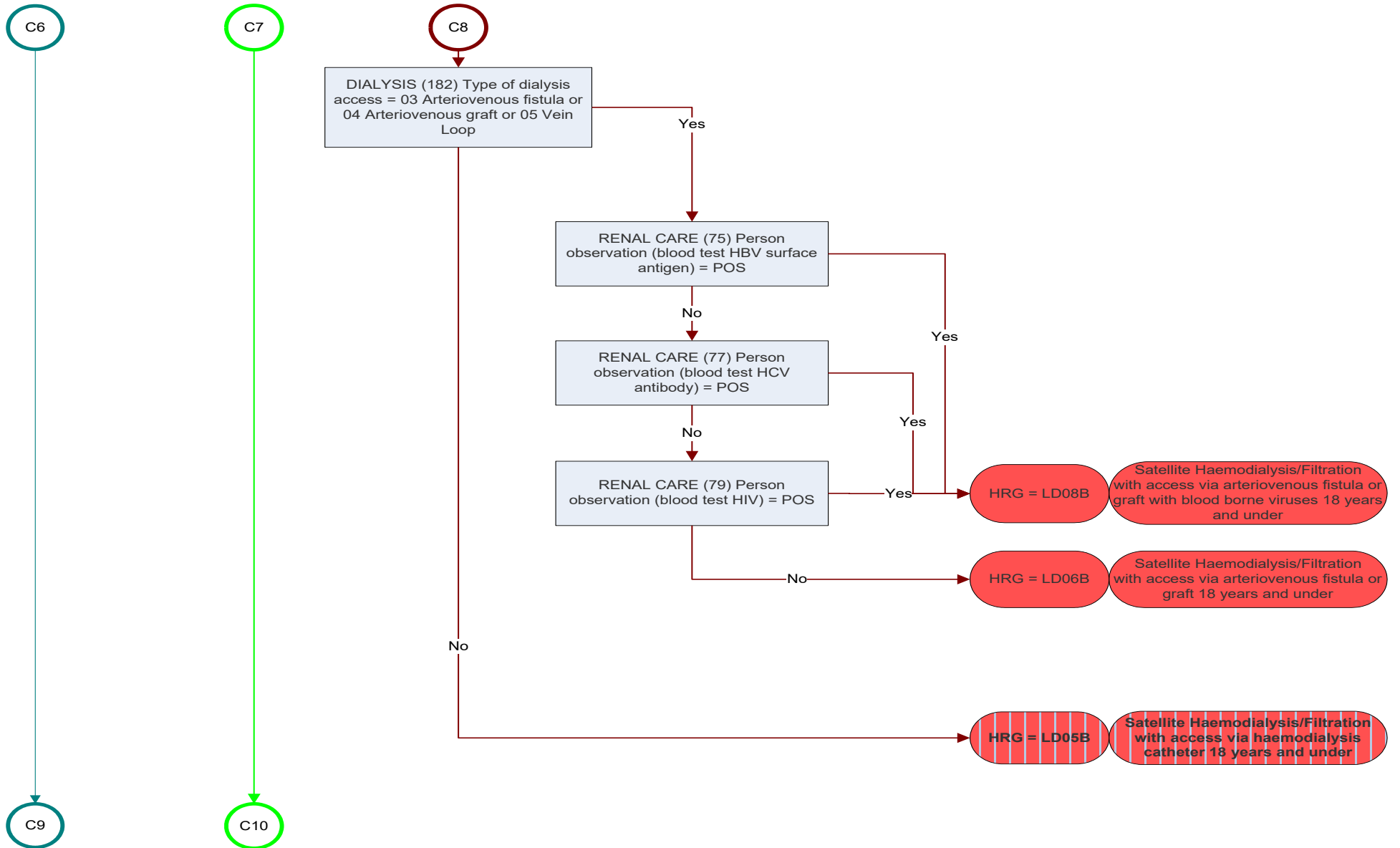
Below is a flow diagram that demonstrates how each of the dialysis HRGs within this subchapter are derived.

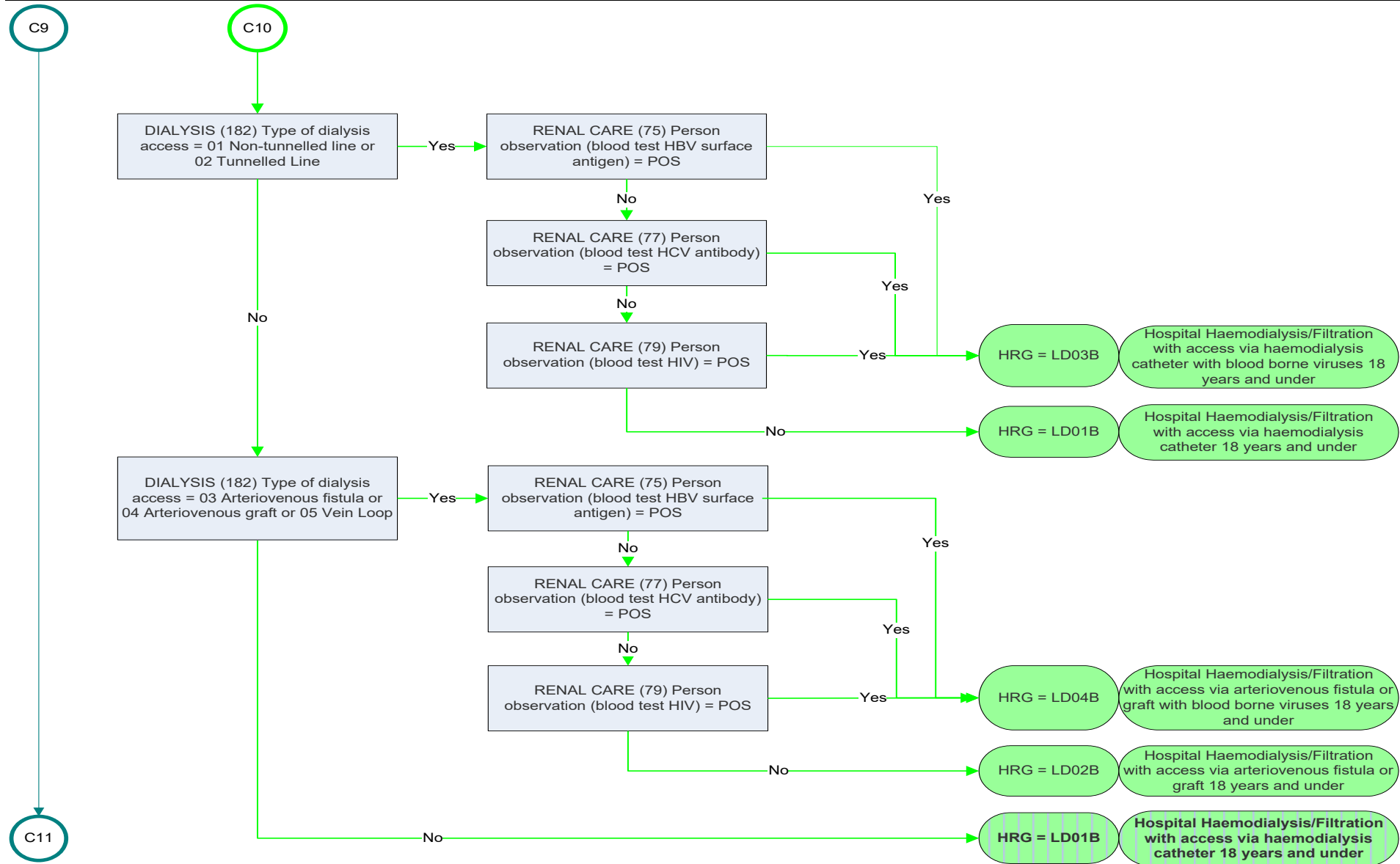
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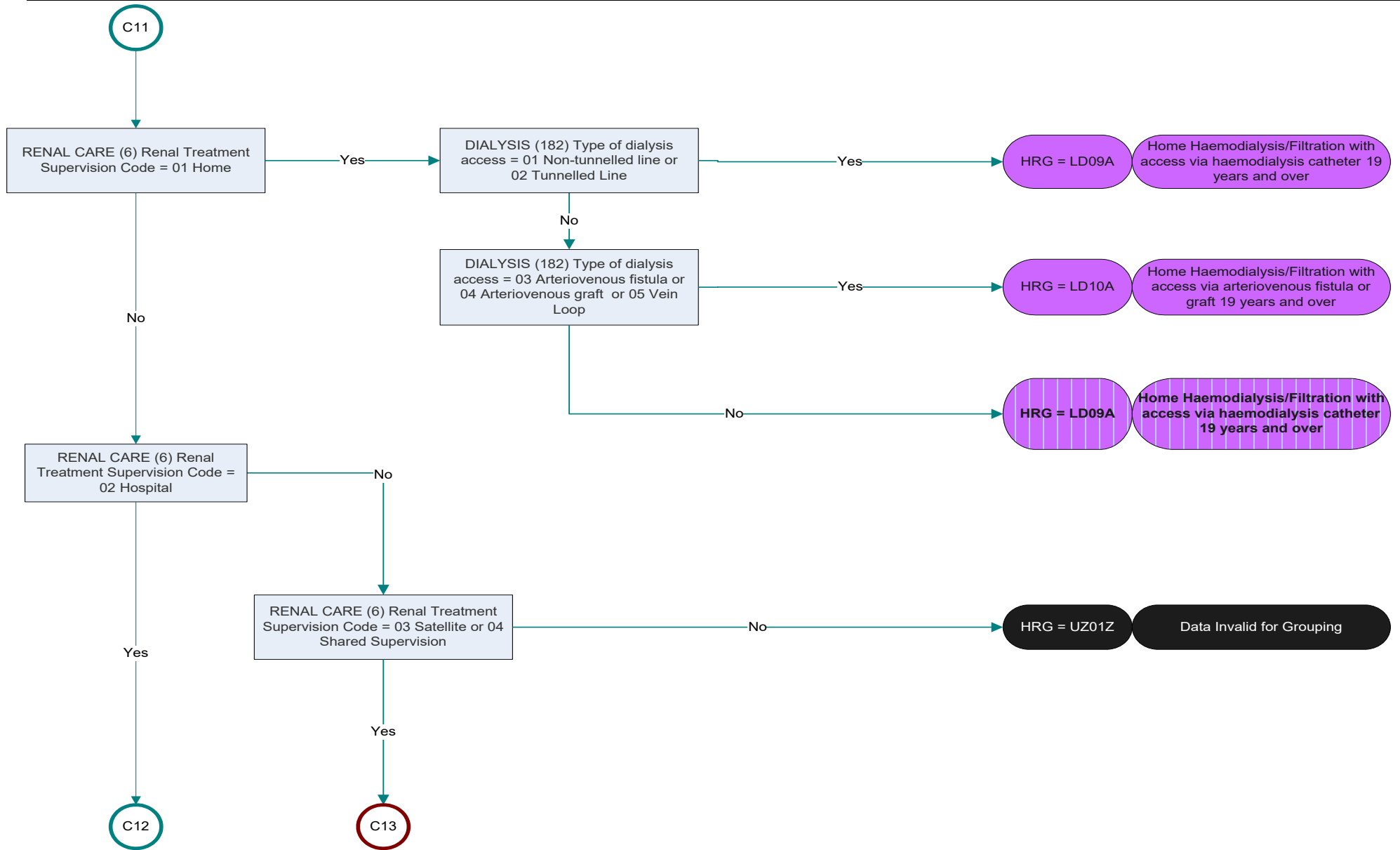


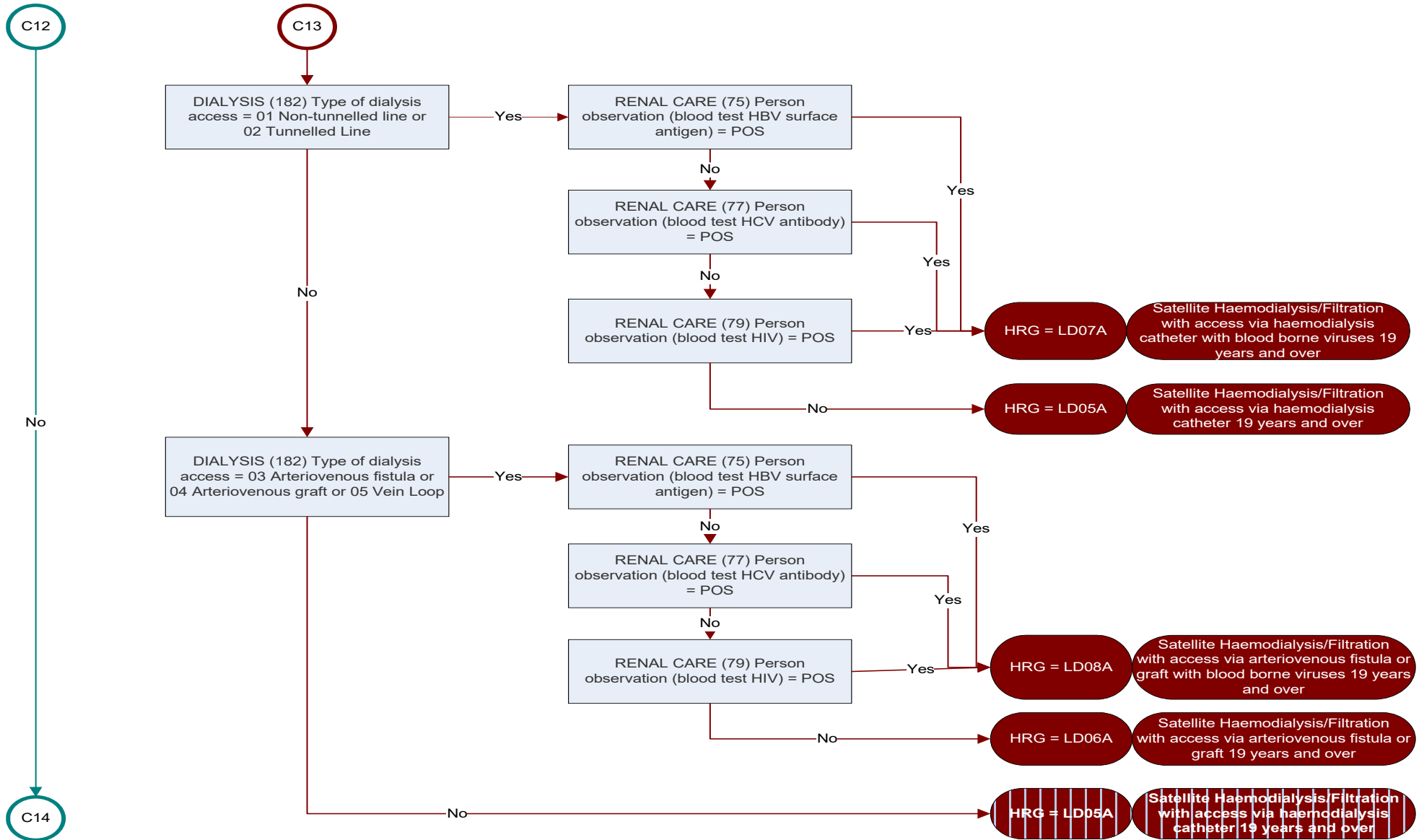


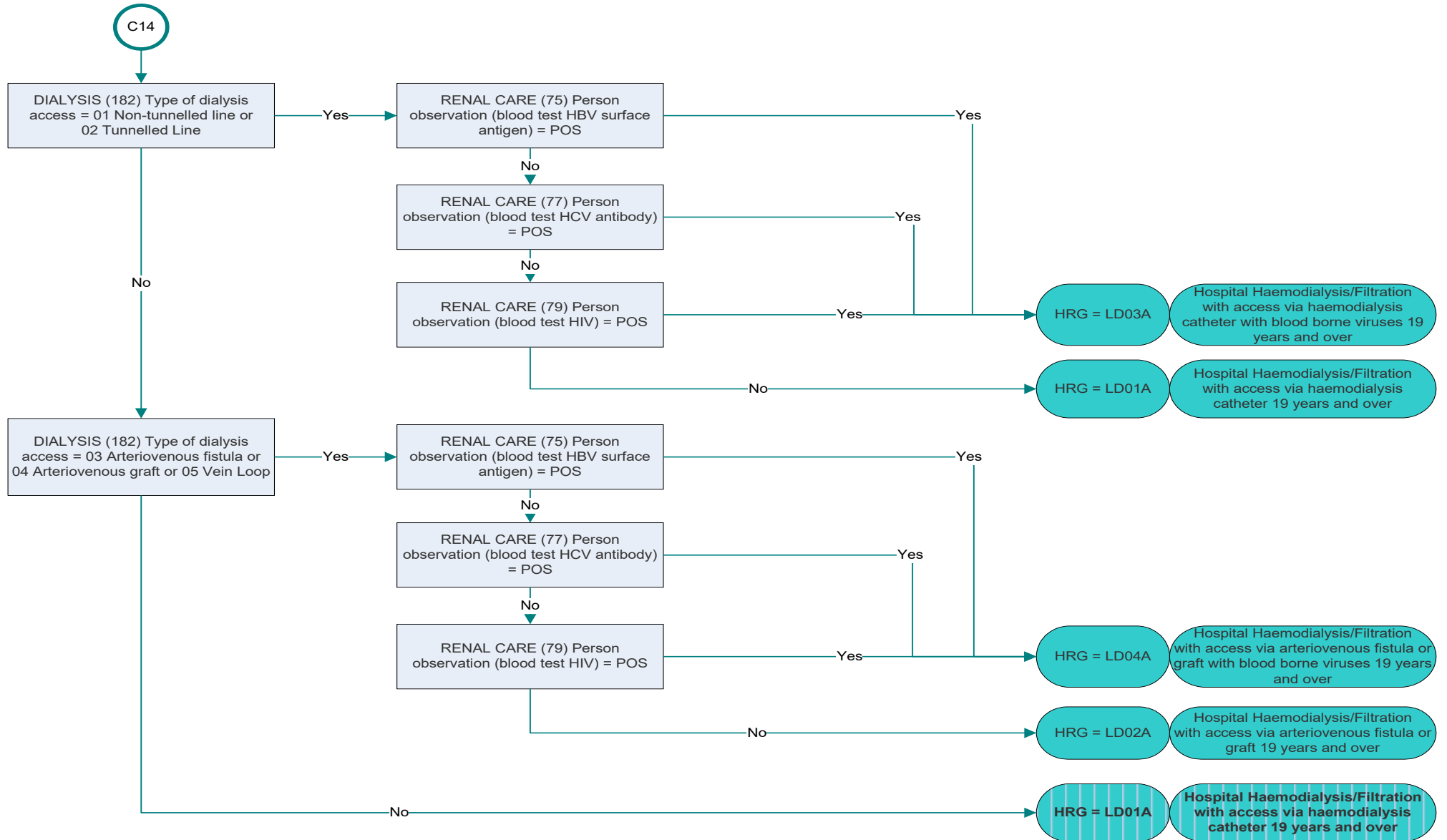












Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter LE – Renal Dialysis for Acute Kidney Injury

Subchapter **LE Renal Dialysis for Acute Kidney Injury** covers renal dialysis activity specifically for the treatment of acute kidney injury as part of an admitted care episode, for patients of all ages.

The HRGs are unbundled and generated in addition to the core HRG, and include activity undertaken in an inpatient and day case setting.

Unlike dialysis for patients with chronic kidney disease, this activity is generated from the Commissioning Data Sets (CDS) using OPCS-4 procedure codes, plus ICD-10 diagnosis codes.

As these HRGs are diagnosis-qualified they cannot be generated in the Outpatient dataset.

Dialysis for the treatment of chronic kidney disease is covered within Subchapter **LD Renal Dialysis for Chronic Kidney Disease**.

The HRGs are only generated when a dialysis OPCS-4 code is recorded in addition to a primary or secondary diagnosis indicating acute kidney injury:

- **LE01* Haemodialysis for Acute Kidney Injury** HRGs are generated for each occurrence of renal or haemodialysis procedure code recorded.
- **LE02* Peritoneal Dialysis for Acute Kidney Injury** HRGs are generated for each occurrence of the peritoneal procedure codes recorded.

Further differentiation is also applied, based on age, in order to take into account the difference in expected resource usage between treating a child (18 years and under) versus treating an adult (19 years and over).

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	4	4
Total HRG Roots	2	2
Procedure-driven HRGs	4	4
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter MA – Female Reproductive System Procedures

Subchapter **MA Female Reproductive System Procedures** includes female upper and lower genital tract procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Obstetric related procedures are included in Subchapter **NZ Obstetric Medicine**.

The HRGs within this subchapter are differentiated on procedure approach – open or laparoscopic (including robotic), on the part of the female genital tract operated on – upper or lower, and on whether the treatment related to gynaecological malignancy, pelvic peritoneum adhesions or other gynaecological disorders.

The HRGs within each of the surgical areas are further separated based on the expected complexity of the procedures into a maximum of 6 levels. The potential range includes 7 levels (minimal, minor, intermediate, major, very major, complex and very complex), however most surgical areas do not utilise all available complexity levels. The higher complexity levels tend to be combined for both upper and lower genital tract procedures.

There are procedure-specific HRGs for high-volume procedures such as resection and ablation procedures, hysteroscopies and colposcopies. In addition, there are “one-stop” diagnostic HRGs that cover a patient undergoing multiple tests or minor procedures in the same attendance or admission.

There are also procedure-specific HRGs for abortion and miscarriage care, which are differentiated based on surgical versus medical care:

- The surgical care HRGs are separated based on gestational age as recorded using subsidiary OPCS-4 codes; <14 weeks, 14 to 20 weeks and >20 weeks, with the HRG roots specific to <14 weeks being further split by the presence of an additional procedure code indicating insertion of long-acting reversible contraception.
- The medical care HRGs are also separated based on gestational age; <9 weeks, 9 to <14 weeks, 14 to 20 weeks, >20 weeks, with the latter 2 HRG roots being further split by the presence of an additional procedure code indicating insertion of long-acting reversible contraception.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	60	60
Total HRG Roots	45	45
Procedure-driven HRGs	60	60
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of surgical HRGs in this subchapter to escalate activity to an HRG with a higher expected resource use where significant additional procedures are recorded.

The multiple-procedure escalation logic escalates activity up 1 level where an additional procedure of the same complexity level as the dominant procedure is recorded.

- For example, where the dominant procedure is a Major procedure, escalation to the Very Major HRG can occur where an additional Major procedure from list **MA_Major** is recorded.

There is logic to derive the HRGs specific to treatment of cancer, when a primary diagnosis code indicating gynaecological malignancy is recorded.

The laparoscopic-specific HRGs are reached when an additional subsidiary OPCS-4 code indicating laparoscopic (including robotic) approach is recorded alongside the relevant dominant procedure.

The multiple-procedure escalation and other (laparoscopic, cancer) logic can act in combination with each other to escalate the appropriate HRGs.

- For example, where a Major procedure is recorded with a primary diagnosis code of ovarian cancer with an additional procedure code from **MA_Major_Cancer**, activity can escalate to the Complex Procedure for Malignancy HRGs.

The multiple-procedure escalation logic for the cancer HRGs uses the specific **MA_Major_Cancer** list to ensure that procedure(s) undertaken as part-and-parcel of surgery to treat gynaecological malignancy, as opposed to other gynaecological disorders, do not inappropriately contribute towards to escalation.

There is additional logic on certain codes to escalate up 1 complexity level, where:

- an additional vaginal vault repair procedure is recorded alongside a dominant hystercolpomy procedure, or
- an additional bladder neck or vaginal prolapse repair procedure is performed alongside a dominant pelvic organ prolapse repair procedure, or
- sacrospinous fixation of vagina and colporrhaphy procedures are recorded alongside a dominant hysterectomy procedure, or
- a diagnosis code indicating severe endometriosis is recorded in any position, with a dominant major upper genital tract procedure, or
- a primary diagnosis code indicating an ectopic pregnancy is recorded alongside a dominant salpingectomy procedure, or
- an additional intraperitoneal chemotherapy procedure or 3 additional peritoneum, omentum or abdominopelvic lymph node procedures are recorded alongside a dominant hysterectomy or salpingectomy procedure.

The “one-stop” diagnostic and minor therapeutic procedure HRGs are generated when specific procedures are recorded together.

- For example: **MA34Z Diagnostic Hysteroscopy with Implantation of Intrauterine Device** is generated when both diagnostic hysteroscopy and insertion of intrauterine contraceptive device procedures are recorded, **MA43Z Transvaginal Ultrasound with Salpingography** is generated when both transvaginal ultrasound and salpingography procedures are recorded.

MA48Z Medical Treatment of Ectopic Pregnancy is reached with a dominant procedure of OPCS-4 code **X37.3 Intramuscular chemotherapy** (which is used to indicate methotrexate treatment), and when a subsidiary OPCS-4 code indicating gestational age is recorded, or with a primary diagnosis indicating ectopic pregnancy. As ICD-10 diagnosis codes are not mandated for use in the non-admitted care setting and therefore are not utilised in grouping, this HRG can only be generated in the Non-Admitted Care setting where the subsidiary OPCS-4 code indicating gestational age is recorded, in addition to the dominant procedure of OPCS-4 code **X37.3 Intramuscular chemotherapy**.

Some activity with a dominant procedure mapped to an HRG outside this subchapter maps to an HRG in this subchapter in certain scenarios:

- Where certain procedures are undertaken on the peritoneum of a female patient with a gynaecological primary diagnosis code, or on a female patient with a diagnosis code indicating severe endometriosis in any position, activity maps to the Female Pelvic Peritoneum Adhesion Procedures HRGs rather than the General Abdominal HRGs within Subchapter **FF Digestive System Open and Laparoscopic Procedures**.
- Where a diagnostic high resolution anoscopy procedure is performed alongside a colposcopy procedure, activity maps to HRG **MA27Z Minor, Upper or Lower Genital Tract Procedures for Malignancy** rather than the Anal Procedures HRGs within Subchapter **FF Digestive System Open and Laparoscopic Procedures**.
- Where a vaginal vault repair is undertaken in addition to a female bladder neck or urethra procedure, activity maps to HRG **MA01Z Complex Open, Upper or Lower Genital Tract Procedures** rather than the Prostate and Bladder Neck Procedures HRGs within Subchapter **LB Urological and Male Reproductive System Procedures and Disorders**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify procedures to treat female genital mutilation, pelvic organ prolapse and stress urinary incontinence.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric gynaecological surgery activity.

The diagnostic and minor procedure HRGs within this subchapter have maximum length of stay logic to ensure that minor procedures, such as hysteroscopy, are not used to determine the HRG for a long-stay medical patient, e.g. a person who has suffered a stroke.

Interactive CC splits are employed within many of the surgical HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter MB – Female Reproductive System Disorders

Subchapter **MB Female Reproductive System Disorders** covers female reproductive system disorders for adults and some child patients. It includes activity undertaken in an inpatient and day case setting.

The majority of diagnosis-driven activity relating to the treatment of children (aged 18 years and under) for female reproductive system disorders groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. However, some gynaecological disorders, such as those relating to menstruation, pregnancy and miscarriage care, map to HRGs within this subchapter irrespective of age, due to the nature of treating these conditions for all patients.

There are 3 HRG roots within this subchapter: 1 for threatened and spontaneous miscarriages, 1 for malignant gynaecological disorders and another for non-malignant gynaecological disorders.

Some activity with a primary diagnosis code mapped to an HRG in another subchapter maps to an HRG in this subchapter in certain scenarios, i.e. for some diagnosis codes indicating injury of genital organs, activity maps to an HRG in this subchapter where the recorded sex is female (rather than Subchapter **LB Urological and Male Reproductive System Procedures and Disorders**).

Intervention splits are employed within all HRG roots in this subchapter to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of the HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource use between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	17	17
Total HRG Roots	3	3
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	17	17
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter MC – Assisted Reproductive Medicine

Subchapter **MC Assisted Reproductive Medicine** includes assisted reproductive medicine procedures for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

The procedure-driven HRGs within this subchapter cover the collection of sperm, and intrauterine insemination (IUI) and in-vitro fertilisation (IVF).

The IUI HRGs are differentiated by “with or without superovulation, and “with or without donor sperm”.

There is 1 HRG for implantation of embryo, with the other IVF HRGs differentiated by the type of oocyte recovery; whether with donor, with intracytoplasmic sperm injection (ICSI) or with pre-implantation genetic diagnosis, using subsidiary OPCS-4 codes indicative of these methods.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	11	11
Total HRG Roots	11	11
Procedure-driven HRGs	11	11
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

As the majority of assisted reproductive medicine activity is short stay, there are no complication and comorbidity splits within this subchapter.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter NZ – Obstetric Medicine

Subchapter **NZ Obstetric Medicine** covers obstetric procedures and disorders for patients of all ages. It also accommodates obstetric aspects of embryology and placental disorders. It includes activity undertaken in inpatient, day case and non-admitted care settings.

The delivery HRGs within this subchapter are separated based on the type of delivery: normal, assisted, or caesarean section.

The normal and assisted delivery HRGs are further differentiated to take into account certain delivery interventions. The HRGs are based on whether a single, or combination of, the following additional procedures are recorded: induction, epidural or post-partum surgical intervention.

- For example, where a normal delivery procedure was recorded with additional procedure codes indicating an epidural and repair of third degree tear, this derives HRG root **NZ33 Normal Delivery, with Epidural or Induction, and with Post-Partum Surgical Intervention**.

The caesarean section HRGs are differentiated based on whether the surgery was planned or otherwise, as specified by the OPCS-4 codes recorded.

There are HRGs specific to standard, routine and specialised non-routine ante-natal scans, as well as other ante-natal therapeutic procedures, e.g. induction.

There are HRGs specific to diagnostic and therapeutic fetal medicine procedures, as well as post-natal therapeutic procedures.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify B-Lynch sutures and Bakri balloon activity.

This subchapter includes diagnosis-driven activity relating to the treatment of children (aged 18 years and under). This activity is grouped to an HRG in this subchapter instead of to an HRG in Chapter **P Diseases of Childhood and Neonates** to more appropriately reflect the nature of the service provision of obstetric medicine. The all-age diagnosis-driven HRGs are separated into ante- or post-natal disorders, with the ante-natal disorder HRGs differentiated based on obstetric complexity level: other, major and complex.

Where primary diagnosis code **O26.8 Other specified pregnancy-related conditions** is recorded, logic is used to look for the related secondary diagnosis code, which is then used to map the activity to the appropriate ante-natal disorder HRG.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	55	55
Total HRG Roots	25	25
Procedure-driven HRGs	43	43
Diagnosis-driven HRGs	12	12
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

- For example, when followed by ***K80.0 Calculus of gallbladder with acute cholecystitis***, which is on the **NZ_Oth_Complex** list, activity would map to HRG root **NZ18 Ante-Natal Complex Disorders**.

Interactive CC splits are employed within the majority of ante- and post-natal disorder HRG roots as well as the delivery HRGs – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

In accordance with national coding standards, unlike other CC lists where only secondary diagnosis codes contribute towards the CC score, for the obstetric delivery HRGs all diagnosis codes, including the primary diagnosis code, can contribute towards to the CC score.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PB – Neonatal Disorders

Subchapter **PB Neonatal Disorders** covers neonatal medicine for patients aged 1 year and under. It includes activity undertaken in inpatient and day case settings.

It does not include the treatment of non-neonatal disorders in babies aged 1 year and under as these map to the relevant HRGs within the other subchapters in Chapter **P Diseases of Childhood and Neonates**.

It does not include critical care services, which are covered in the unbundled Subchapters **XA Neonatal Critical Care**, and **XB Paediatric Critical Care**, respectively. There is no grouping interaction between the generation of the **PB** HRGs and those for critical care, other than a length of stay adjustment (reduction) relating to critical care days on the length of stay of the core **PB** episode/spell.

This subchapter does not include procedures undertaken on neonates. These group to the procedure-driven HRGs in other relevant subchapters.

The subchapter comprises neonatal disorders, differentiated by source of patient admission, and healthy babies.

Only diagnosis codes relating to neonatal disorders originating in the perinatal period, can map to HRGs within this subchapter. There is logic to check for an age of 1 year and under, to ensure that these HRGs can be appropriately generated for the small number of patients that may continue to receive treatment for these conditions past their first birthday, but not inappropriately for older children or adults, where the activity will map to HRG **UZ01Z Data Invalid for Grouping**.

PB03Z Healthy Baby is generated where no significant procedure is recorded, irrespective of TFC, and specifically when 1 of the following 9 primary diagnosis codes is recorded, which indicates that the baby was otherwise well, and has not received any additional care post-birth.

- **P83.1 Neonatal erythema toxicum**
- **P83.4 Breast engorgement of newborn**
- **P92.5 Neonatal difficulty in feeding at breast**
- **Z38.0 Singleton, born in hospital (further qualified)**
- **Z38.1 Singleton, born outside hospital (further qualified)**
- **Z38.2 Singleton, unspecified as to place of birth (further qualified)**
- **Z38.3 Twin, born in hospital (further qualified)**
- **Z38.4 Twin, born outside hospital (further qualified)**
- **Z38.5 Twin, unspecified as to place of birth (further qualified)**

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	20	20
Total HRG Roots	4	4
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	20	20
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Generation of **PB03Z Healthy Baby** is also reliant on providers following ICD-10 coding standard *DChS.XVI.1: Liveborn infants according to place of birth (Z38.)*, namely:

- All babies must have a code from category **Z38.** recorded in their birth episode.
- Where the newborn is diagnosed with a condition classifiable to ICD Chapter XVI: Certain conditions originating in the perinatal period (**P00.-P96.**), it must be coded.
- Sequencing of these codes depends on whether the baby has a condition classifiable to diagnosis code **P00.-P96.** and whether that condition is treated/investigated.

Where babies are recorded as having a primary diagnosis code of something other than the above (noting qualifications), the **PB03Z Healthy Baby** HRG will *not* be generated. Instead, an HRG from the following list of HRG roots will be generated, dependent on the source of admission recorded:

- **PB04 Neonatal Diagnoses, Admitted from Other Location or Born in Hospital**
- **PB05 Neonatal Diagnoses, Admitted from Other Hospital Provider**
- **PB06 Neonatal Diagnoses, Admitted from Home**

Logic is employed to ensure babies receiving prophylactic antibiotics (recorded in ICD-10 as **Z29.2 Other prophylactic chemotherapy**) due to previous infection in the mother, map to these neonatal diagnoses HRGs to reflect the additional resource usage of treatment.

In addition, where a secondary diagnosis code indicating carrier of disease is recorded, this will also generate 1 of these neonatal diagnoses HRGs.

In accordance with national coding rules, conditions within ICD-10 diagnosis code categories **P00–P04 Fetus and newborn affected by maternal factors and by complications of pregnancy, labour and delivery**, require a discharge method of stillbirth in order to generate 1 of the neonatal diagnoses HRGs within this subchapter, else HRG **UZ01Z Data Invalid for Grouping** will be generated.

In accordance with national coding rules, ICD-10 diagnosis code **P95.X Fetal death of unspecified cause**, requires a discharge method of stillbirth or died to generate HRG root **PB04 Neonatal Diagnoses, Admitted from Other Location or Born in Hospital**, else HRG **UZ01Z Data Invalid for Grouping** will be generated.

Intervention splits are also employed within 1 HRG root in this subchapter to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within HRG roots within this subchapter – to 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PC – Paediatric Ear, Nose, Mouth and Throat Disorders

Subchapter **PC Paediatric Ear, Nose, Mouth and Throat Disorders** contains activity relating to the medical treatment of ear, nose, mouth and throat disorders in children (aged 18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There is 1 diagnosis-driven HRG root within this subchapter for all paediatric ear, nose, mouth and throat disorders.

Interactive CC splits are employed within the HRG root within this subchapter – to 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	4	4
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	4	4
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PD – Paediatric Respiratory Disorders

Subchapter **PD Paediatric Respiratory Disorders** contains activity relating to the medical treatment of respiratory disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as asthma and cystic fibrosis.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	24	24
Total HRG Roots	6	6
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	24	24
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PE – Paediatric Cardiology Disorders

Subchapter **PE Paediatric Cardiology Disorders** contains activity relating to the medical treatment of cardiac disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as arrhythmia.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	12	12
Total HRG Roots	3	3
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	12	12
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PF – Paediatric Gastroenterology Disorders

Subchapter **PF Paediatric Gastroenterology Disorders** contains activity relating to the medical treatment of intestinal disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as gastroenteritis and inflammatory bowel disease.

There are also 2 HRG roots that are differentiated based on complexity for major and other gastrointestinal disorders.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	17	17
Total HRG Roots	5	5
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	17	17
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Subchapter PG – Paediatric Hepatobiliary Disorders

Subchapter **PG Paediatric Hepatobiliary Disorders** contains activity relating to the medical treatment of hepatobiliary and pancreatic disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There is 1 diagnosis-driven HRG root within this subchapter for all paediatric hepatobiliary and pancreatic disorders.

Interactive CC splits are employed within the HRG root within this subchapter – to 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	3	3
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	3	3
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PH – Paediatric Rheumatology Disorders

Subchapter **PH Paediatric Rheumatology Disorders** contains activity relating to the medical treatment of musculoskeletal and rheumatological disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There is 1 diagnosis-driven HRG root within this subchapter for all paediatric musculoskeletal or connective tissue disorders.

Interactive CC splits are employed within the HRG root within this subchapter –to 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	4	4
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	4	4
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PJ – Paediatric Dermatology Disorders

Subchapter **PJ Paediatric Dermatology Disorders** contains activity relating to the medical treatment of skin disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There are 2 diagnosis-driven HRG roots within this subchapter, 1 for rashes and 1 for all other paediatric skin disorders.

Interactive CC splits are employed within both HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	7	7
Total HRG Roots	2	2
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	7	7
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PK – Paediatric Diabetology, Endocrinology and Metabolic Disorders

Subchapter **PK Paediatric Diabetology, Endocrinology and Metabolic Disorders** contains activity relating to the medical treatment of endocrine and metabolic disorders and diabetes in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care – these are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to endocrine disorders, metabolic disorders and diabetes (split by with / without ketoacidosis or coma).

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	11	11
Total HRG Roots	4	4
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	11	11
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PL – Paediatric Renal Disorders

Subchapter **PL Paediatric Renal Disorders** contains activity relating to the medical treatment of renal disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There are 3 HRG roots within this subchapter, 1 for nephrotic and nephritis renal disease, 1 for renal disease with renal failure, and 1 for all other paediatric renal disorders.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	10	10
Total HRG Roots	3	3
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	10	10
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PM – Paediatric Haematological-Oncology Disorders

Subchapter **PM Paediatric Haematological-Oncology Disorders** contains activity relating to the medical treatment of cancer in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by cancer type, with HRGs specific to cancers such as leukaemia and brain tumours.

There is logic employed so that all activity with a length of stay of zero days maps to HRG **PM44Z Paediatric Neoplasm Diagnoses with length of stay 0 days**, irrespective of cancer type.

There is logic to ensure activity groups to HRG root **PM45 Febrile Neutropenia with Malignancy** where at least 1 diagnosis code from each of the lists **Cancer**, **PM_Infection** and **PM_Neutropenia** is recorded.

Interactive CC splits are employed within some of the HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

As an exception, this subchapter has an additional CC list, **PM_PM45_CC** that is used exclusively to determine the CC score for HRG root **PM45 Febrile Neutropenia with Malignancy**. This list contains all diagnosis codes that are on list **PM_CC** with the exception of the cancer, infection or neutropenia diagnosis codes that are used to reach HRG root **PM45 Febrile Neutropenia with Malignancy**. This is to ensure that the cancer, infection or neutropenia secondary diagnosis codes used to reach HRG root **PM45 Febrile Neutropenia with Malignancy** are not double-counted when calculating the CC score.

In addition, there is a supporting list, **PM45_Canc_Inf_Neut**, which contains all the cancer, infection and neutropenia diagnosis codes that, when combined, enable the generation of HRG root **PM45 Paediatric Febrile Neutropenia with Malignancy**. Each member of this list has a list value of 1, so all activity that maps to this HRG root will have a minimum score of 3 from this list (as it includes the value for the primary diagnosis codes). However, some patients may suffer from multiple cancers or infections, and these patients will have a higher score from this list.

A combined score from both **PM_PM45_CC** and **PM45_Canc_Inf_Neut** lists is calculated, from which 3 is subtracted (the value of the 3 diagnosis codes used to reach the HRG root –

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	14	14
Total HRG Roots	6	6
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	14	14
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

to avoid double-counting these in this score), which is then used to determine the final CC score.

- For example, a record with a value of 4 from list **PM45_Canc_Inf** plus a value of 2 from list **PM_PM45_CC** will generate a CC score of 3 (i.e. 6–3), resulting in HRG **PM45B Paediatric Febrile Neutropenia with Malignancy, with CC Score 3-5** being generated.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PN – Paediatric Non-Malignant Haematological Disorders

Subchapter **PN Paediatric Non-Malignant Haematological Disorders** contains activity relating to the medical treatment of non-malignant blood disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as thalassaemia and sickle-cell anaemia.

There is 1 HRG root, **PN46 Paediatric Thalassaemia**, which

can be reached where a procedure code classifying a blood transfusion is the dominant procedure, with a primary diagnosis of thalassaemia and a patient age of 18 years and under, or with a primary diagnosis of thalassaemia, where the patient's age is 18 years and under. This grouping logic is necessary to ensure appropriate paediatric HRG generation, as **Core 1** procedure-driven grouping takes precedence over **Core 1** diagnosis-driven grouping in the HRG design.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs*	9	9
Total HRG Roots	4	4
Procedure-driven HRGs	2	2
Diagnosis-driven HRGs	9	9
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No
<i>* Includes 2 hybrid HRGs that are driven by either procedure or diagnosis</i>		

Subchapter PP – Paediatric Ophthalmic Disorders

Subchapter **PP Paediatric Ophthalmic Disorders** contains activity relating to the medical treatment of eye disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There is 1 diagnosis-driven HRG root within this subchapter for all paediatric eye disorders.

Interactive CC splits are employed within the HRG root within this subchapter – to 2 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	2	2
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	2	2
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PQ – Paediatric Immune System Disorders

Subchapter **PQ Paediatric Immune System Disorders** contains activity relating to the medical treatment of immune system disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care – these are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

There is 1 diagnosis-driven HRG root within this subchapter for all paediatric immune system disorders.

Interactive CC splits are employed within the HRG root within this subchapter – to 2 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	2	2
Total HRG Roots	1	1
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	2	2
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PR – Paediatric Nervous System Disorders

Subchapter **PR Paediatric Nervous System Disorders** contains activity relating to the medical treatment of nervous system disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as epilepsy and intracranial injury.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	22	22
Total HRG Roots	7	7
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	22	22
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PT – Paediatric Mental Health Disorders

Subchapter **PT Paediatric Mental Health Disorders** contains activity relating to the medical treatment of mental health disorders in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care – these are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

Some paediatric activity for mental health conditions continues to map to Subchapter **WD Treatment of Mental Health Patients by Non-Mental Health Service Providers**.

There are 2 diagnosis-driven HRG roots within this subchapter, 1 for behavioural disorders and 1 for eating disorders.

Interactive CC splits are employed within both of the HRG roots within this subchapter – to 2 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	4	4
Total HRG Roots	2	2
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	4	4
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Subchapter PV – Paediatric Trauma Medicine

Subchapter **PV Paediatric Trauma Medicine** contains activity relating to the medical treatment of injuries in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated based on the expected complexity of treatment for minor, intermediate and major injuries (excluding intracranial injuries).

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	7	7
Total HRG Roots	3	3
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	7	7
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PW – Paediatric Infectious Diseases

Subchapter **PW Paediatric Infectious Diseases** contains activity relating to the medical treatment of infections in children (18 years and under). It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated based on the expected complexity of the disorders into 3 levels – minor, intermediate and major. There is also an HRG root specific to fever.

Interactive CC splits are employed within all HRG roots within this subchapter – up to a maximum of 5 levels – to more

appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	15	15
Total HRG Roots	4	4
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	15	15
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter PX – Paediatric Medicine

Subchapter **PX Paediatric Medicine** contains activity relating to the medical treatment in children (18 years and under) of conditions that do not otherwise fit within the more specific paediatric subchapters. It includes activity undertaken in inpatient and day case settings.

This subchapter does not include neonatal critical care or paediatric critical care. These are covered in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**, respectively.

The diagnosis-driven HRGs within this subchapter are differentiated by body system for the congenital HRGs, e.g. congenital spinal conditions or congenital renal disorders. There are also disorder- or symptom-specific HRGs such as those for chest pain and failure to thrive.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 5 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	46	46
Total HRG Roots	19	19
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	46	46
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter RD – Diagnostic Imaging Procedures

Subchapter **RD Diagnostic Imaging Procedures** covers diagnostic imaging for patients of all ages, undertaken in admitted or non-admitted care settings.

All but 2 of the HRGs in this subchapter are unbundled.

The unbundled diagnostic imaging HRGs are separated based on the modality of scan (MRI, CT, DEXA, ultrasound, contrast fluoroscopy and simple echocardiogram).

The standard CT and MRI HRGs are differentiated based on the number of body areas scanned, whether contrast is used, and for MRI, whether the patient required extensive repositioning as determined by subsidiary OPCS-4 codes recorded alongside the scan.

The ultrasound and contrast fluoroscopy HRGs are differentiated by duration of the scan and by whether the scan is mobile/intraoperative. In addition, the ultrasound scans are split based on whether contrast is used, as indicated by subsidiary OPCS-4 codes recorded alongside the scan.

There are also HRGs specific to more specialised scans such as cardiac MRI (differentiated by type of contrast), colon CT, cardiac CT; and for scans such as vascular ultrasound, ultrasound elastography, dexta scans and simple echocardiography.

Diagnostic imaging HRG derivation aligns with the national coding standard for diagnostic imaging scans. Where multiple body areas are scanned using the same modality in the same visit to the radiology department, 1 unbundled HRG indicating that multiple body areas have been scanned is generated, rather than multiple separate HRGs indicating a scan of a single body area.

- For example, where a patient has an MRI scan of their chest, abdomen and pelvis (with post contrast) during the same trip to the radiology department, a single unbundled HRG for the MRI scan covering all 3 body areas is generated. This would be coded using the following OPCS-4 codes and would generate unbundled HRG **RD05Z Magnetic Resonance Imaging Scan of 2 or 3 Areas:**

U21.1 Magnetic resonance imaging NEC +

Y79.3 Radiology with post contrast +

Y98.3 Radiology of 3 body areas (or 20-40 minutes) +

Z92.4 Chest NEC

Z92.6 Abdomen NEC

O16.1 Pelvis NEC

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	49	49
Total HRG Roots	39	39
Procedure-driven HRGs	49	49
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes
* Includes 2 core HRGs (RD97Z, RD98Z) that also utilise TFC		

Age splits are employed in several of the HRG roots for MRIs, CTs and simple echocardiograms: There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). There are also HRGs specific to the treatment of young children (0 to 5 years of age) and those for the treatment of older children (6 to 18 years).

Within this subchapter there are 2 core HRGs:

- **RD97Z Same Day Diagnostic Imaging Admission or Attendance** is an “empty core” HRG. This is generated when a diagnostic imaging scan is recorded under TFC **812 Diagnostic Imaging Service**, where no significant procedure(s) are recorded, and the adjusted length of stay is zero days.
- **HRG RD98Z Admission or Attendance for Diagnostic Imaging under General Anaesthetic** is a core HRG. It is generated when a diagnostic imaging or nuclear medicine scan is recorded, under either TFC **812 Diagnostic Imaging Service** or **371 Nuclear Medicine Service**, and when an additional OPCS-4 code classifying GA is recorded, and where no significant procedure(s) are recorded.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter RN – Nuclear Medicine Procedures

Subchapter **RN Nuclear Medicine Procedures** covers both diagnostic and therapeutic nuclear medicine procedures for patients of all ages, undertaken in admitted or non-admitted care settings.

All but 1 of the HRGs in this subchapter are unbundled.

The unbundled HRGs within this subchapter are separated based on the type of test performed, e.g. PET-CT, nuclear bone scan, dopamine transporter scan or parathyroid scan.

There are also 3 unbundled HRGs specific to therapeutic nuclear medicine (also known as molecular radiotherapy procedures).

The PET-CT and SPECT-CT HRGs are differentiated based on the number of body areas scanned, as determined by the subsidiary OPCS-4 code recorded alongside the scan.

Due to limitations in the current underlying OPCS-4 classification, for the majority of activity it is not yet possible to differentiate activity based on the type of radionuclide used. However, the available subsidiary OPCS-4 codes for radionuclides are used to create combination codes that generate the **RN10Z Octreotide Scan**, **RN11Z Dopamine Transporter Scan**, and the **RN12* Metaiodobenzylguanidine (MIBG) Scan** HRGs.

Age splits are employed in the majority of the nuclear medicine HRGs; there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). There are also HRGs specific to the treatment of young children (0 to 5 years of age) and those for the treatment of older children (6 to 18 years).

Within this subchapter, there is a single core HRG:

- **RN97Z Same Day Nuclear Medicine Admission or Attendance** is an “empty core” HRG. This is generated when a nuclear medicine scan is recorded under TFC **812 Diagnostic Imaging Service** or **371 Nuclear Medicine Service** where no significant procedure(s) are recorded, and the adjusted length of stay is zero days.

Where a nuclear medicine scan is recorded, under either TFC **812 Diagnostic Imaging Service** or **371 Nuclear Medicine Service**, and an additional OPCS-4 code classifying GA is recorded, and where no significant procedure(s) are recorded, the core HRG **RD98Z Admission or Attendance for Diagnostic Imaging under General Anaesthetic** (from Subchapter **RD Diagnostic Imaging**) will be generated. This is due to the low volume of activity undertaken under GA in Nuclear Medicine, such that a separate core HRG within Subchapter **RN Nuclear Medicine Procedures** is not currently warranted.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	69	69
Total HRG Roots	38	38
Procedure-driven HRGs	69	69
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes
<i>* Includes 1 core HRG (RN97Z) that also utilises TFC</i>		

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter SA – Haematological Procedures and Disorders

Subchapter **SA Haematological Procedures and Disorders** covers haematological procedures for patients of all ages and haematological conditions in adults. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Within this subchapter there are procedure-driven HRG roots specific to blood and bone marrow transplantation and harvest, in addition to HRGs specific to blood transfusion and diagnostic extraction of blood or marrow.

The bone marrow and peripheral blood stem cell transplant HRGs are differentiated on donor type as per the specific OPCS-4 codes, or where subsidiary OPCS-4 codes identifying a related or volunteer-unrelated donor, are recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify automated red blood cell exchange and harvest procedures.

With the exception of the transplant HRG, most HRGs within this subchapter employ maximum length of stay logic to ensure that minor procedures, such as a blood transfusion, are not used to determine the HRG for a long-stay medical patient, e.g. a child who has sickle-cell anaemia.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. The adult diagnosis-driven HRGs within this subchapter are differentiated by disorder type, with HRGs specific to disorders such as aplastic anaemia, acute lymphoblastic leukaemia, myelodysplastic syndrome.

The **SA11Z Thalassaemia** HRG can be reached where a procedure code classifying a blood transfusion is recorded as the dominant procedure alongside a primary diagnosis of thalassaemia, or with a primary diagnosis of thalassaemia. This grouping logic is necessary to ensure appropriate HRG generation, as **Core 1** procedure-driven grouping takes precedence over **Core 1** diagnosis-driven grouping in the HRG design.

Similarly, the child equivalent HRGs of adult HRG **SA11Z Thalassaemia, PN46* Paediatric Thalassaemia**, can be reached where a procedure code classifying a blood transfusion is recorded as the dominant procedure alongside a primary diagnosis of thalassaemia, where the age of the patient is 18 years or under, or with a primary diagnosis of thalassaemia where the age of the patient is 18 years or under.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	104	104
Total HRG Roots	41	41
Procedure-driven HRGs	33	18
Diagnosis-driven HRGs	72	1
Age Splits	Yes	No
Complications and Comorbidities Splits	Yes	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes
<i>* Includes 1 hybrid HRG that is driven by either procedure or diagnosis</i>		

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter SB – Chemotherapy

Subchapter **SB Chemotherapy** covers both the procurement and delivery of chemotherapy regimens for patients of all ages. All but 1 of the HRGs in this subchapter are unbundled. This subchapter includes activity undertaken in inpatient, day case and non-admitted care settings.

There are chemotherapy procurement and chemotherapy delivery HRGs within this subchapter.

The chemotherapy procurement HRGs are separated according to high-cost drug band, with band 1 having the lowest expected cost (£0 to £200) and band 10 having the highest expected cost (£1,801 upwards).

These bands are derived from a national list owned by NHS England. In addition, there is a catch-all HRG for the procurement of drugs not on the list.

There are HRGs specific to chemotherapy delivery, distinguished by method of delivery, e.g. oral or intravenous infusion.

The chemotherapy procurement HRGs are generated per cycle, while the delivery HRGs are generated per session, based on the OPCS-4 codes recorded.

SB97Z Same Day Chemotherapy Admission or Attendance is an “empty core” HRG which ensures that the total resource usage of a patient undergoing same day chemotherapy is associated with the unbundled HRG derived, rather than with the core HRG. This HRG can be derived in 2 ways, requiring either:

- a delivery or procurement of chemotherapy OPCS-4 code, a length of stay of zero days, and no other significant procedure.
- a secondary diagnosis code of **Z51.1 Chemotherapy session**, a length of stay of zero days, and no other significant procedure.

However, as ICD-10 codes are not yet mandated for use in the non-admitted care setting, only OPCS-4 codes can be used to derive **SB97Z Same Day Chemotherapy Admission or Attendance** in an outpatient setting.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	18	18
Total HRG Roots	18	18
Procedure-driven HRGs	18	18
Diagnosis-driven HRGs	1	1
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Subchapter SB: Worked Examples: Regimens and Treatments

Case 1: Inpatient Treatment

A soft tissue sarcoma patient receives Doxorubicin and Ifosfamide chemotherapy as an inpatient. This consists of doxorubicin treatment on day 1, followed by 24 hours of Ifosfamide and Mesna continuous infusion. This is repeated every 21 days.

Coding

Primary Diagnosis Code: **C49.9 Malignant neoplasm of connective and soft tissue, unspecified**

OPCS-4 Code: **X70.4 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 4 + X72.2 Delivery of complex parenteral chemotherapy for neoplasm at first attendance**

HRG Output

Core HRG: **HD40* Malignancy, of Bone or Connective Tissue**

Unbundled HRG(s): **SB04Z Procure Chemotherapy drugs for regimens in Band 4 + SB13Z Deliver more Complex Parenteral Chemotherapy at First Attendance**

Case 2: Day Case

A lymphoma patient is receiving ABVD chemotherapy. This consists of 4 drugs and is given every 14 days.

Coding

Primary Diagnosis Code: **C81.9 Hodgkin lymphoma, unspecified**

Cycle 1:

OPCS-4 Codes: **X70.2 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 2 + X72.2 Delivery of complex parenteral chemotherapy for neoplasm at first attendance**

Repeat for attendance of each new cycle every 14 days

HRG Output

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRG(s): **SB02Z Procure Chemotherapy drugs for regimens in Band 2 + SB13Z Deliver more Complex Parenteral Chemotherapy at First Attendance**

Case 3: Ambulatory Patient

A breast cancer patient is receiving Trastuzumab 7 loading dose followed by Trastuzumab 7 maintenance dose on a weekly basis. This is repeated every 7 days.

Coding

Cycle 1: Trastuzumab 7 loading dose (1 attendance)

OPCS-4 Codes: **X70.5 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 5 + X72.3 Delivery of simple parenteral chemotherapy for neoplasm at first attendance**

Cycle 2: Trastuzumab 7 maintenance dose (1 attendance)

OPCS-4 Codes: **X70.3 Procurement of drugs for chemotherapy for neoplasm for regimens in Band 3 + X72.3 Delivery of simple parenteral chemotherapy for neoplasm at first attendance**

Do not use X72.4 Delivery of subsequent element of cycle of chemotherapy for neoplasm because the cycle length is 7 days. These are classed as different cycles because they are different regimens.

HRG Output

HRG output is based on different cycles. For the first attendance of cycle 1, the grouper will output a procurement HRG and a delivery HRG. For the first attendance of cycle 2, the grouper will again output both a procurement HRG and a delivery HRG.

First attendance of cycle 1:

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRG(s): **SB05Z Procure Chemotherapy drugs for regimens in Band 5 + SB12Z Deliver Simple Parenteral Chemotherapy at First Attendance**

First attendance of cycle 2:

Core HRG: **SB97Z Same day Chemotherapy admission/attendance**

Unbundled HRG(s): **SB03Z Procure Chemotherapy drugs for regimens in Band 3 + SB12Z Deliver Simple Parenteral Chemotherapy at First Attendance**

Case 4: A regimen with inpatient and outpatient components

An inpatient receives BEP 5-day chemotherapy for a testicular solid tumour. The chemotherapy consists of 3 different drugs given over 3 inpatient days and the 2 consecutive outpatient treatments at 7-day intervals. The whole cycle is repeated every 21 days.

Coding

Primary Diagnosis Code: **C62.9 Malignant neoplasm of testis, unspecified**

Cycle 1: Day 1 (Inpatient episode)

OPCS-4 Code: **X70.3 Procurement of drugs for chemotherapy for neoplasm for regimens Band 3 + X72.2 Delivery of complex parenteral chemotherapy for neoplasm at first attendance**

HRG Output

Core HRG: **LB35* Scrotum, Testis or Vas Deferens Disorders**

Unbundled HRG: **SB03Z Procure Chemotherapy drugs for regimens in Band 3 + SB13Z Deliver more Complex Parenteral Chemotherapy at First Attendance**

Day 8 (first outpatient attendance)

OPCS-4 Code: **X72.4 Delivery of subsequent element of cycle of chemotherapy for neoplasm**

HRG Output

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRG: **SB15Z Deliver subsequent elements of a Chemotherapy cycle**

Day 15 (second outpatient attendance)

OPCS-4 Code: **X72.4 Delivery of subsequent element of cycle of chemotherapy for neoplasm**

HRG Output

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRG: **SB15Z Deliver subsequent elements of a Chemotherapy cycle**

Cycle 2

Day 21 (Inpatient episode)

OPCS-4 Code: **X70.3 Procurement of drugs for chemotherapy for neoplasm for regimens Band 3**

HRG Output

Core HRG: **LB35* Scrotum, Testis or Vas Deferens Disorders**

Unbundled HRG: **SB03Z Procure Chemotherapy drugs for regimens in Band 3**

Case 5: Outpatient treatment with a subsequent element

A lung cancer patient is receiving Carboplatin + Vinorelbine chemotherapy as an outpatient. This consists of 1 day of treatment with Vinorelbine and carboplatin both IV. This is followed 7 days later by Vinorelbine therapy oral. The cycle is repeated every 21 days.

Coding

Day 1 (first outpatient attendance)

OPCS-4 Codes: **X70.3 Procurement of drugs for chemotherapy for neoplasms for regimens in Band 3 + X72.3 Delivery of simple parenteral chemotherapy for neoplasm at first attendance**

HRG Output

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRGs: **SB03Z Procure Chemotherapy drugs for regimens in Band 4 + SB12Z Deliver Simple Parenteral Chemotherapy at First Attendance**

Day 8 (second outpatient attendance)

OPCS-4 Code: **X72.4 Delivery of subsequent element of cycle of chemotherapy for neoplasm**

HRG Output

Core HRG: **SB97Z Same day Chemotherapy admission or attendance**

Unbundled HRG: **SB15Z Deliver subsequent elements of a Chemotherapy cycle**

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter SC – Radiotherapy

Subchapter **SC Radiotherapy** covers both the preparation and delivery of radiotherapy for patients of all ages. This subchapter includes activity undertaken in inpatient, day case and non-admitted care settings.

All but 1 of the radiotherapy HRGs in this subchapter are unbundled.

Within this subchapter the HRGs are separated into HRGs for the pre-treatment (planning) processes and HRGs for radiotherapy delivery.

The planning HRGs are intended to cover all attendances required for completion of the planning process. It is not intended that individual attendances for parts of this process will be recorded separately.

The planning HRGs do not include the consultation at which the patient consents to radiotherapy, nor do they cover any outpatient attendance for medical review required by any change in the status of the patient.

The radiotherapy delivery HRGs are differentiated based on type of external beam and brachytherapy.

- The external beam radiotherapy HRGs have logic which relies on the coding of a subsidiary OPCS-4 code to indicate delivery of a simple or complex fraction, using a megavoltage or orthovoltage machine, and whether technical support was used.

In addition, there are specific radiotherapy HRGs that are generated when a subsidiary OPCS-4 code is recorded indicating the radiotherapy treatment was performed under general anaesthetic.

SC97Z Same Day External Beam Radiotherapy Admission or Attendance excluding Brachytherapy is an “empty core” HRG which ensures that the total resource usage of a patient undergoing same day radiotherapy is associated with the unbundled HRG derived rather than with the core HRG. This HRG can be derived in 2 ways, it requires either:

- a delivery of external beam radiotherapy OPCS-4 code, a length of stay of zero days, and a lack of any other significant procedure code.
- a secondary diagnosis code of **Z51.0 Radiotherapy session**, a length of stay of zero days, and a lack of any other significant procedure code.

However, as ICD-10 diagnosis codes are not mandated for use in the non-admitted care setting, only OPCS-4 codes can be used to derive **SC97Z Same Day External Beam Radiotherapy Admission or Attendance excluding Brachytherapy** in an outpatient setting.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	30	30
Total HRG Roots	5	5
Procedure-driven HRGs	30	30
Diagnosis-driven HRGs	1	1
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Subchapter SC: Outpatient Worked Example

Cases A to E illustrate the 5-fraction course of Total body irradiation (TBI) of a patient diagnosed as having Hodgkin's lymphoma prior to a bone marrow transplant. The TBI is planned, and the first treatment is given immediately afterwards (same attendance):

Case	Attendance	Dominant Procedure (OPCS-4)	Other Procedures (OPCS-4)	HRG4+
A	1 st attendance	X67.2 Preparation for total body irradiation	X65.1 Delivery of a fraction of total body irradiation (TBI)	SC97Z Same Day External Beam Radiotherapy Admission or Attendance + SC42Z Preparation for Total Body Irradiation + SC25Z Deliver a fraction of Total Body irradiation
B	2 nd attendance	X65.1 Delivery of a fraction of total body irradiation (TBI)		SC97Z Same Day External Beam Radiotherapy Admission or Attendance + SC25Z Deliver a fraction of Total Body irradiation
C	3 rd attendance	X65.1 Delivery of a fraction of total body irradiation (TBI)		SC97Z Same Day External Beam Radiotherapy Admission or Attendance + SC25Z Deliver a fraction of Total Body irradiation
D	4 th attendance	X65.1 Delivery of a fraction of total body irradiation (TBI)		SC97Z Same Day External Beam Radiotherapy Admission or Attendance + SC25Z Deliver a fraction of Total Body irradiation
E	5 th attendance	X65.1 Delivery of a fraction of total body irradiation (TBI)		SC97Z Same Day External Beam Radiotherapy Admission or Attendance + SC25Z Deliver a fraction of Total Body irradiation

Subchapter SC: Inpatient Worked Example

Case F highlights a patient who is diagnosed with malignant neoplasm of breast and undergoes total mastectomy, followed by radiotherapy treatment delivered as part of the inpatient episode:

Case	Age	Length of Stay (days)	Primary Diagnosis (ICD-10)	Dominant Procedure (OPCS-4)	Other Procedures (OPCS-4)	HRG4+
F	32	2	C50.9 Malignant neoplasm of breast, unspecified	B27.4 Total mastectomy	X67.4 Volume definition for simple radiotherapy with imaging and dosimetry + X65.8 Other specified radiotherapy delivery + Y91.2 Delivery of a fraction of simple radiotherapy on a megavoltage machine	JA20F Unilateral Major Breast Procedures with CC Score 0-2 + SC45Z Preparation for simple radiotherapy with imaging and dosimetry + SC22Z Deliver a fraction of treatment on a megavoltage machine

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter SD – Specialist Palliative Care

Subchapter **SD Specialist Palliative Care** relates to care in which the clinical intent or treatment goal is primarily to improve the quality of life of a patient with an active, progressive disease with little or no prospect of cure. This subchapter covers both adult and paediatric activity.

All of the HRGs in this subchapter are unbundled HRGs.

Specialist palliative care (SPC) is usually evidenced by an interdisciplinary assessment and/or management of the physical, psychological, emotional and spiritual needs of the patient, and a grief and bereavement support service for the patient and their carers/family.

SPC includes care provided under the principal clinical management of a SPC medicine consultant, either in a palliative care unit or in a designated palliative care programme. It can be delivered by NHS, voluntary sector, and other accredited providers.

Subchapter SD comprises:

- Specialist support services delivered to inpatients
- Outpatients, day therapy assessments and interventions for inpatients and day cases

The services provided by palliative care specialists include the following:

- Clinical consultancy/care
- Personal care
- Spiritual/emotional support/counselling
- Home care/support
- Education
- Case management/care coordination

When an inpatient is not admitted under the care of a specialist palliative medicine consultant but is receiving support from a member of a SPC Team, this is classed as SPC support.

The following specialist palliative care is not intended to be within the scope of HRG4+:

- General palliative care
- Community specialist palliative care
- Bereavement care as a separate HRG
- Patients admitted for holiday relief/respice

The main driver for the HRGs is a combination of Main Specialty Code and Treatment Function Code.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	10	10
Total HRG Roots	5	5
Procedure-driven HRGs	N/A	N/A
Diagnosis-driven HRGs	N/A	N/A
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

Diagnoses are used in the subchapter-specific grouping logic, in conjunction with an SPC length of stay (day(s)) and age, when determining the HRG.

The SPC HRGs require 1 or a combination of the following: an MSC or TFC of **315 Palliative Medicine Service** and a diagnosis code of **Z51.5 Palliative Care**.

- **SD01* Inpatient Specialist Palliative Care** (not Same Day) SPC HRGs are generated on a per diem basis for the entire SPC consultant episode. The Grouper generates these in addition to the core HRG, based on the number of SPC days recorded in the CDS field. These are identified by the use of a “star multiplier” in the Grouper outputs, to indicate the number of days that inpatient care was provided.
- **SD02* Inpatient Specialist Palliative Care, Same Day** a single SPC HRG is generated. The Grouper generates this in addition to the core HRG, when the number of SPC days recorded in the CDS field is zero. This will always be identified in the Grouper outputs with a “star multiplier” of 1. This HRG cannot be generated when the patient has died (identified as DISMETH = 4).
- **SD03* Hospital Specialist Palliative Care Support** is NOT generated per diem, irrespective of the number of SPC days recorded in the CDS field.
- **SD04* & SD05* Hospital Specialist Palliative Care** are generated for non-admitted attendances. The Grouper allocates an appropriate SPC HRG, in addition to the core HRG. This will always be identified in the Grouper outputs with a “star multiplier” of 1.

Subchapter SD: Specialised Palliative Care HRGs Explained by Setting**Inpatient SPC HRGs**

HRG	Label	Definition	Notes
SD01A	Inpatient Specialist Palliative Care, 19 years and over	Age = 19 years and over AND Main Specialty Code = 315 Palliative Medicine AND Treatment Function Code = 315 Palliative Medicine Service AND SPC DAYS > 0 OR Discharge Method = 4 (Patient Died) AND Secondary Diagnosis (ICD-10) = Z51.5 Palliative Care AND NOT Primary Diagnosis (ICD-10) = Z75.5 Holiday Relief Care	Adult inpatients under the care of a specialist palliative medicine consultant, excluding patients discharged on the day of admission (unless they die on the day of admission), excluding patients admitted for respite care [Note: Requires SPC days CDS field to be populated to indicate duration of specialist palliative care and produce multiple unbundled HRGs accordingly]
SD01B	Inpatient Specialist Palliative Care, 18 years and under	As above with: Age = 18 years and under	Paediatric inpatients under the care of a specialist palliative medicine consultant, excluding patients discharged on the day of admission (unless they die on the day of admission), excluding patients admitted for respite care [Note: Requires SPC days CDS field to be populated to indicate duration of specialist palliative care and produce multiple unbundled HRGs accordingly]
SD02A	Inpatient Specialist Palliative Care, Same Day, 19 years and over	Age = 19 years and over AND Main Specialty Code = 315 Palliative Medicine AND Treatment Function Code = 315 Palliative Medicine Service AND SPC DAYS = 0 AND Discharge Method ≠ 4 (Patient did not die) AND Secondary Diagnosis (ICD-10) = Z51.5 Palliative care AND NOT Primary Diagnosis (ICD-10) = Z75.5 Holiday relief care	[Note: a maximum of 1 SPC unbundled HRG will be generated, in addition to the core HRG, irrespective of SPC days recorded in the CDS]
SD02B	Inpatient Specialist Palliative Care, Same Day, 18 years and under	As above with: Age = 18 years and under	[Note: a maximum of 1 SPC unbundled HRG will be generated, in addition to the core HRG, irrespective of SPC days recorded in the CDS]

HRG	Label	Definition	Notes
SD03A	Hospital Specialist Palliative Care Support, 19 years and over	Age = 19 years and over AND Secondary Diagnosis (ICD-10) = Z51.5 Palliative care AND NOT Main Specialty Code = 315 Palliative Medicine	Adult inpatients not under the care of a specialist palliative medicine consultant but receiving input from a specialist palliative care specialist support service [Note: SPC days should <u>not</u> be recorded in the CDS]
SD03B	Hospital Specialist Palliative Care Support, 18 years and under	As above with: Age = 18 years and under	Paediatric inpatients not under the care of a specialist palliative medicine consultant but receiving input from a specialist palliative care specialist support service [Note: SPC days should <u>not</u> be recorded in the CDS]

Outpatient, Day Therapy Assessment, and Intervention HRGs

HRG	Label	Definition
SD04A	Medical Specialist Palliative Care Attendance, 19 years and over	Age = 19 years and over AND Main Specialty Code = 315 Palliative Medicine AND Treatment Function Code = 315 Palliative Medicine Service
SD04B	Medical Specialist Palliative Care Attendance, 18 years and under	As above with: Age = 18 years and under
SD05A	Non-Medical Specialist Palliative Care Attendance, 19 years and over	Age = 19 years and over AND Main Specialty Code = 950 Nursing Episode OR 960 Allied Health Profession Episode AND Treatment Function Code = 315 Palliative Medicine Service
SD05B	Non-Medical Specialist Palliative Care Attendance, 18 years and under	As above with: Age = 18 years and under

The Outpatient Commissioning Data Set can record contacts by medical, nursing, and allied health professionals (AHPs), including physiotherapists, speech and language therapists, occupational therapists, podiatrists, dietitians, and clinical psychologists. Chaplains and social workers may also record contacts as AHPs.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter UZ – Undefined Groups

Subchapter **UZ Undefined Groups** covers the instance where a patient record is not valid for grouping to HRGs in other subchapters.

There is only 1 HRG in this subchapter, **UZ01Z Data Invalid for Grouping**.

This subchapter is intended to help an organisation identify invalid data and take action, for example, to understand whether clinical coding errors are due to a lack of information specificity, or the unavailability of information at the time of coding.

This subchapter is comprised of 11 underlying U Error categories that lead to the generation of HRG **UZ01Z Data Invalid for Grouping**.

These are as follows:

- **UZ01 Invalid Primary Diagnosis:**
 - The primary diagnosis code is blank
 - The primary diagnosis code is not valid or cannot be used in the primary position
- **UZ02 Poorly Coded Primary Diagnosis:**
 - The diagnosis code exists and is valid as a primary diagnosis, but it is so unspecific that the resource use cannot be defined
- **UZ03 Age Conflicting with Diagnosis**
- **UZ04 Diagnosis conflicting with anatomical sites:**
 - The diagnosis code reflecting an anatomical site code, specified at the fifth character level, conflicts with the diagnosis in the record
- **UZ05 Invalid procedure for Casemix grouping purposes**
- **UZ06 Poorly coded procedure for Casemix grouping purposes**
- **UZ11 Neonatal Critical Care Error**
- **UZ13 Adult Critical Care Error**
- **UZ14 Renal (NRD) Error**
- **UZ15 Burns Error**
 - Burns primary diagnosis code of unspecified body region or with no subsequent total body surface area (TBSA) code
- **UZ21 CCAC Inappropriate for NCC**

Note that **UZ99 Indicator flag for Specialist Palliative Care** is not an error category but an indicator flag that stops certain criteria from being processed for Specialist Palliative Care activity. It does not generate HRG **UZ01Z Data Invalid for Grouping** in and of itself.

The HRG4+ grouping software ensures that the data are complete, valid and within expected value ranges. The software applies the following 3 stages of validation to the data during a processing run:

- Field content within record
- Cross validation of episodes within spell
- Grouping logic (assignment of flag values)

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	1	1
Total HRG Roots	1	1
Procedure-driven HRGs	N/A	N/A
Diagnosis-driven HRGs	N/A	N/A

Where the Grouper cannot assign a valid HRG, HRG **UZ01Z Data invalid for grouping** is returned in the output record, signifying that the record is unclassified.

Where there are errors in the input data, these will be reported in the data quality report, as part of the Grouper output files, but processing will not be halted. There can be more than 1 reason for non-assignment of an HRG, so there may be more than 1 data quality message for each data row, all of which need to be reviewed to identify the underlying problem(s).

UZ01 Invalid primary diagnosis

This error indicates that there is an error with the primary diagnosis code.

UZ02 Poorly coded primary diagnosis

This error is generated where a diagnosis code exists and is valid as a primary diagnosis but is too vague to determine resource use.

UZ03 Diagnosis conflicts with age

This error indicates that a paediatric diagnosis has been recorded for an adult patient (age 19 years and over).

UZ04 Diagnosis conflicts with anatomical Site

This error indicates that an invalid ICD-10 code indicating an incorrect anatomical site has been recorded. This only applies to specific musculoskeletal codes entered at the fifth character level.

UZ05 Invalid procedure for Casemix grouping purposes

This error is reported where the OPCS-4 code with the highest procedure hierarchy value in the record is a valid procedure code but is not valid for grouping, for example, where the code represents a “conversion from” code in orthopaedic surgery.

UZ06 Poorly coded procedure for Casemix grouping purposes

This error indicates that a procedure code is valid as a dominant procedure but is insufficiently specific to determine the resource use from an HRG design perspective, for example, OPCS-4 code **X45.9 Unspecified donation of organ**.

UZ11 Neonatal Critical Care error

This is a general error for neonatal critical care and is generated when conditions in the grouping algorithm have not been met.

UZ13 ACC grouping error

This is a general error for adult critical care and is generated when conditions in the grouping algorithm have not been met.

UZ14 Renal (NRD) error

This is a general error for grouping renal activity using the National Renal Data Set and is generated when conditions in the grouping algorithm have not been met.

UZ15 Burns error

This error is produced when a primary diagnosis code for burn of unspecified body region or total body surface area (TBSA) is recorded, or when a diagnosis code of burn is recorded in any position with no subsequent TBSA code present. Failure to record TBSA means that the resource use cannot be determined to generate the appropriate burns HRG.

UZ21 CCAC inappropriate in NCC

Certain Critical Care Activity Codes (CCAC) are not valid for Neonatal Critical Care (NCC) grouping or are valid only when used in combination with other codes. UZ21 is generated when the CCAC or combination of codes in the input record is not appropriate for the derivation of an NCC HRG.

UZ99 Indicator flag for Specialist Palliative Care

This indicator flag ensures Specialist Palliative Care unbundled HRGs cannot be generated when certain conditions are met, for example, it enables holiday relief care to be excluded from Specialist Palliative Care grouping.

Further information regarding the underlying U categories can be found in the Group to Split worksheet within the Code to Group Excel workbook.

Field Validation Errors

All clinical codes are validated against the Grouper's internal database of codes. Clinical codes in the patient record that are not on this list will result in the generation of HRG **UZ01Z Data Invalid for Grouping**.

- ICD-10 diagnosis codes that are not on the list are classified as invalid. These will not result in a specific error message but will be output in the Data Quality report as follows:
`ICD|XXXX|Diagnosis Code is invalid in DIAG_XX`
- OPCS-4 codes that are not on the list are classified as invalid. These will not result in a specific error message but will be output in the Data Quality report as follows:
`OPCS|XXXX|Procedure Code is invalid in OPER_XX`

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter VA – Multiple Trauma

Subchapter **VA Multiple Trauma** covers treatments associated with multiple trauma cases for patients of all ages. In the HRG4+ design, multiple trauma is determined by the presence of significant simultaneous traumatic injuries involving more than 1 body area.

Traumatic single injuries are addressed elsewhere within the relevant body system subchapters.

This subchapter includes activity undertaken in inpatient and day case settings.

Following validation and unbundling, multiple trauma grouping takes precedence over any other grouping logic that might otherwise be applied across the episode or spell. The multiple trauma logic is made up of the following elements:

- For single episode spells, where the episode HRG is multiple trauma, the HRG of the spell will be the same multiple trauma HRG.
- A multiple trauma spell HRG will be generated where the HRG of the first episode of a multi-episode spell is multiple trauma. The multiple trauma HRG of the first episode, that of any later episode(s) and that of the spell may be different because of the additive nature of the logic employed.
- For multi-episode spells where the first episode is not multiple trauma, but a later episode is multiple trauma, the spell HRG will not be multiple trauma.

All multiple trauma HRGs require at least 2 trauma (injury) ICD-10 diagnosis codes (1 must be the primary diagnosis), with each relating to a different body site. These injuries should be coded in accordance with ICD-10 *Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00 – T98)*.

To ensure that the HRG multiple trauma design does not double count non-superficial injuries to the same body site, 2 lists are used. 1 list is body site specific and prefixed by **VA_***, the second (complementary) list is prefixed by **Comp_VA_***.

The **VA_*** lists contain non-superficial trauma injury codes from ICD-10 *Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00 – T98)* relating to injuries of specific body areas. There are 9 lists relating to specific body sites:

1. Abdominal trauma diagnoses – on list **VA_Ab**
2. Chest trauma diagnoses – on list **VA_Chest**
3. Head trauma diagnoses – on list **VA_Head**
4. Kidney trauma diagnoses – on list **VA_Kid**
5. Lower limb trauma diagnoses – on list **VA_Lower**

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	24	24
Total HRG Roots	6	6
Procedure-driven HRGs	0	N/A
Diagnosis-driven HRGs	24	N/A
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	Yes	No
Procedure Combination Codes	Yes	No
Diagnosis-qualified	Yes	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

6. Other trauma diagnoses, such as blood loss and shock – on list **VA_Other**
7. Pelvis or spine trauma diagnoses – on list **VA_Pel_Sp**
8. Upper limb trauma diagnoses – on list **VA_Upper**
9. Urinary trauma diagnoses – on list **VA_Urinary**

The **Comp_VA_*** lists also contain non-superficial trauma injury codes from ICD-10 *Chapter XIX, Injury, poisoning and certain other consequences of external causes (S00 – T98)* relating to injuries of specific body areas. There are 9 complementary lists relating to specific body sites:

1. Comp_VA_Ab
2. Comp_VA_Chest
3. Comp_VA_Head
4. Comp_VA_Kid
5. Comp_VA_Lower
6. Comp_VA_Other
7. Comp_VA_Pel_Sp
8. Comp_VA_Upper
9. Comp_VA_Urinary

The codes within each of the complementary lists are taken from 8 of the 9 **VA_*** lists. They do not contain the codes from the corresponding body site **VA_*** list.

For example, **Comp_VA_Ab** *does not* contain the codes on the **VA_Ab** list, but instead does contain all the non-superficial injury codes contained within the other 8 body sites lists. The content of these lists can be found in the “Other Lists” tab of the Code to Group Excel workbook.

This subchapter employs grid logic that takes into account multiple procedures as well as multiple diagnoses, to ensure the complexity involved in both the medical and surgical treatment of patients that have multiple traumatic injuries is accurately reflected in the HRG design.

Relevant codes (both OPCS-4 codes and combination codes) and ICD-10 diagnosis codes can be found on lists **MT_OPCS_Value** and **MT_ICD_Value**, on the “Other Lists” tab of the Code to Group Excel workbook. The members of each list have an assigned value ranging from 5-13 (OPCS) and 3-7 (ICD).

To determine which multiple trauma HRG is derived, the score of all relevant procedure codes and all relevant ICD-10 unique diagnosis codes recorded are summed, to determine a procedure score and a diagnosis score, respectively. This pair of scores determines which HRG is derived.

The following grid provides the scoring levels used and which HRG would be produced from a given pair of scores.

Multiple Trauma HRG Derivation Grid:

Procedure score => Diagnosis score	0	1–8	9–18	19–29	30–44	>=45
<=23	VA10A	VA11A	VA12A	VA13A	VA14A	VA15A
24–32	VA10B	VA11B	VA12B	VA13B	VA14B	VA15B
33–50	VA10C	VA11C	VA12C	VA13C	VA14C	VA15C
>=51	VA10D	VA11D	VA12D	VA13D	VA14D	VA15D

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter VB – Emergency Medicine

Subchapter **VB Emergency Medicine** covers activity for patients of all ages recorded within the Emergency Care Data Set (ECDS), Commissioning Data Set 6.2.2 Type 011, for treatment undertaken in the following types of emergency departments:

Type 01

Emergency Departments: Consultant-led 24-hour service with full resuscitation facilities and designated accommodation for the reception of accident and emergency patients

Type 02

Consultant-led mono-specialty accident and emergency service (e.g. ophthalmology, dental) with designated accommodation for the reception of patients, with the exception of gynaecology casualty departments

Type 03

Other types of units with designated accommodation for the reception of minor accident and emergency patients, including other open access treatment services offering at least minor injury/illness services, whether located alongside a main A&E department or at another location

Type 04

NHS walk-in centres

The HRGs in this subchapter are separated into 10 complexity levels based on the combination of investigation and treatment categories that formed part of the Accident & Emergency Commissioning Data Set (CDS type 010). There are also HRGs specific to emergency dental care and to patients that are dead on arrival.

The emergency medicine HRGs within this subchapter do not cover activity within clinical decision units and observation type wards/units.

The emergency medicine HRG derived depends on the investigation codes and treatment codes as previously recorded within the A&E Commissioning Data Set (CDS 010). To generate HRGs from the ECDS, data fields need to be mapped back to the investigation codes and treatment codes as previously recorded within CDS 010, prior to grouping. The HRG assigned to each attendance depends on the dominant investigation and dominant treatment and their respective complexity categories of care.

Grouping logic for each attendance works as follows:

- Each treatment code and investigation code recorded has an associated hierarchy (See the associated tables below for the full list of investigation codes and treatment codes and their associated complexity categories and hierarchy values).

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	12	12
Total HRG Roots	12	12
Procedure-driven HRGs	N/A	N/A
Diagnosis-driven HRGs	N/A	N/A
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

- These hierarchy values determine the dominant treatment code and dominant investigation code, and thereby the complexity categories of both.
- Combining the investigation and treatment complexity categories of care of the dominant investigation code and treatment code will result in the most resource intensive HRG being generated, subject to the exceptions identified below.

Records with neither an investigation code nor a treatment code recorded will generate HRG **UZ01Z Data Invalid for Grouping**.

Where there is no investigation code recorded, the treatment code alone will be used to derive the emergency medicine HRG.

List of Investigation codes with associated complexity categories and hierarchy values:

Investigation Code	Description	Category (3=highest; 1= lowest)	Hierarchy (7=highest; 1=lowest)
01	X-ray plain film	2	6
02	Electrocardiogram	1	3
03	Haematology	2	6
04	Cross match blood/group & save serum for later cross match	2	6
05	Biochemistry	1	5
06	Urinalysis	1	3
07	Bacteriology	2	6
08	Histology	2	6
10	Ultrasound	3	7
11	Magnetic resonance imaging	3	7
12	Computerised tomography (exc genitourinary contrast examination/tomography)	3	7
13	Genitourinary contrast examination/tomography	3	7
14	Clotting studies	2	6
15	Immunology	2	6
16	Cardiac enzymes	2	6
17	Arterial/capillary blood gas	1	4
18	Toxicology	2	6
19	Blood culture	2	6
20	Serology	2	6
21	Pregnancy test	1	3
22	Dental investigation	2	2
23	Refraction, orthoptic tests and computerised visual fields	2	6
24	None	1 or 0 *	1
99	Other	1	3

* See grouping exceptions below

List of Treatment codes with associated complexity categories and hierarchy values:

Treatment Code	Description	Category (5=highest; 1=lowest)	Hierarchy (8=highest; 1=lowest)
011	Dressing minor wound/burn/eye	2	4
012	Dressing major wound/burn	3	5
02	Bandage/support	1	3
031	Primary sutures	3 or 4 *	6
032	Secondary/complex suture	3 or 4 *	6
033	Removal of sutures/clips	1	3

Treatment Code	Description	Category (5=highest; 1=lowest)	Hierarchy (8=highest; 1=lowest)
041	Wound closure – steristrips	2	4
042	Wound closure - wound glue	2	4
043	Wound closure - other (e.g. clips)	2	4
051	Application Plaster of Paris	2	4
052	Removal Plaster of Paris	1	3
06	Splint	2	4
08	Removal foreign body	3	5
091	Physiotherapy - strapping, ultrasound treatment, short wave diathermy, manipulation	2	4
092	Physiotherapy - gait re-education, falls prevention	2	4
101	Manipulation of upper limb fracture	4	7
102	Manipulation of lower limb fracture	4	7
103	Manipulation of dislocation	4	7
11	Incision and drainage	3	5
12	Intravenous cannula	1 or 0 *	2
13	Central line	3	5
14	Lavage/emesis/charcoal/eye irrigation	2	4
15	Intubation & Endotracheal tubes/laryngeal mask airways/rapid sequence induction	4	7
16	Chest drain	4	7
17	Urinary catheter/suprapubic	3 or 4 *	6
181	Defibrillation	4	7
182	External pacing	4	7
19	Resuscitation/cardiopulmonary resuscitation	5	8
20	Minor surgery	3	5
21	Observation/electrocardiogram, pulse oximetry/head injury/trends	1	3
221	Guidance/advice only – written	1 or 0 *	2
222	Guidance/advice only – verbal	1 or 0 *	2
231	Anaesthesia – general	4	7
232	Anaesthesia – local	2	4
233	Anaesthesia - regional block	2	4
234	Anaesthesia – Entonox	2	4
235	Anaesthesia – sedation	3 or 4 *	6
236	Anaesthesia – other	2	4
241	Tetanus – immune	1 or 0 *	2
242	Tetanus - tetanus toxoid course	2	4
243	Tetanus - tetanus toxoid booster	2	4
244	Tetanus - human immunoglobulin	2	4
245	Tetanus - combined tetanus/diphtheria course	2	4
246	Tetanus - combined tetanus/diphtheria booster	2	4
25	Nebuliser/spacer	3	5
27	Other (consider alternatives)	1	3
281	Parenteral thrombolysis - streptokinase parenteral thrombolysis	4	7
282	Parenteral thrombolysis - recombinant - plasminogen activator	5	8
291	Other Parenteral drugs - intravenous drug, e.g. stat/bolus	4	7
292	Other Parenteral drugs - intravenous infusion	4	7
30	Recording vital signs	1	3
31	Burns review	1	3
32	Recall/x-ray review	1	3
33	Fracture review	1	3
34	Wound cleaning	1	3

Treatment Code	Description	Category (5=highest; 1=lowest)	Hierarchy (8=highest; 1=lowest)
35	Dressing/wound review	1	3
36	Sling/collar cuff/broad arm sling	1	3
37	Epistaxis control	2	4
38	Nasal airway	2	4
39	Oral airway	2	4
40	Supplemental oxygen	3	5
41	Continuous positive airways pressure/nasal intermittent positive pressure ventilation/bag valve mask	3	5
42	Arterial line	3	5
43	Infusion fluids	2	4
44	Blood product transfusion	4	7
45	Pericardiocentesis	4	7
46	Lumbar puncture	4	7
47	Joint aspiration	3	5
48	Minor plastic procedure/split skin graft	4	7
49	Active rewarming of the hypothermic patient	3	5
50	Cooling - control body temperature	1	3
511	Medication administered – oral	2	4
512	Medication administered - intra-muscular	3 or 4 *	6
513	Medication administered - subcutaneous	3	5
514	Medication administered - per rectum	2	4
515	Medication administered - sublingual	3 or 4 *	6
516	Medication administered - intra-nasal	2	4
517	Medication administered - eye drops	1	3
518	Medication administered - ear drops	1	3
519	Medication administered - topical skin cream	1	3
521	Occupational Therapy - OT functional assessment	3	5
522	Occupational Therapy - OT activities of daily living equipment provision	1	3
53	Loan of walking aid (crutches)	1	3
54	Social work intervention	3	5
551	Eye - orthoptic exercises	1	3
552	Eye - laser of retina/iris or posterior capsule	5	8
553	Eye - retrobulbar injection	3	5
554	Eye - epilation of lashes	3	5
555	Eye - subconjunctival injection	4	7
56	Dental treatment	2	2
57	Prescription/medicines prepared to take away	1	3
99	None (consider guidance/advice option)	1 or 0 *	1

* See grouping exceptions below

Grouping Exceptions

When determining the emergency medicine HRG derived there are certain exceptions (highlighted with * in the tables above) where the investigation code or treatment code has 2 possible complexity categories.

In these cases, where the dominant investigation code is **24 None** or blank and the dominant treatment code is included in the following table, the HRG assigned will be **VB11Z Emergency Medicine, No Investigation with No Significant Treatment**. Otherwise, these treatment codes will be considered as Category 1 and the HRG will be derived based on the category of the dominant investigation code.

Treatment Code	Treatment Code Label	Treatment Category (5=highest; 1=lowest)
12	Intravenous cannula	1 or 0 *
221	Guidance/advice only – written	1 or 0 *
222	Guidance/advice only – verbal	1 or 0 *
241	Tetanus – immune	1 or 0 *
99	None (consider guidance/advice option)	1 or 0 *

For the dominant Treatment codes listed in the table below, the treatment category will be dependent on the category of the dominant investigation code as follows:

Dominant Treatment Code	Category of Dominant Investigation	HRG
031 Primary sutures (Cat. 3 or 4) 032 Secondary/complex suture (Cat. 3 or 4) 17 Urinary catheter/suprapubic (Cat. 3 or 4) 235 Anaesthesia - sedation (Cat. 3 or 4) 512 Medication administered - intra-muscular (Cat. 3 or 4) 515 Medication administered - sublingual (Cat. 3 or 4)	Category 1 or blank	VB06Z Emergency Medicine, Category 1 Investigation with Category 3–4 Treatment
	Category 2	VB05Z Emergency Medicine, Category 2 Investigation with Category 3 Treatment
	Category 3	VB02Z Emergency Medicine, Category 3 Investigation with Category 4 Treatment

- For example, where the dominant treatment code is **031 Primary sutures**, which can be either complexity category 3 or 4, and this is recorded alongside the dominant investigation code of **01 X-ray plain film** (category 2), then the complexity category associated with the dominant treatment code 031 Primary sutures is 3, and derives **VB05Z Emergency Medicine, Category 2 Investigation with Category 3 Treatment**.
- And, where the dominant investigation code is **10 Ultrasound** (category 3), then the complexity category associated with the dominant treatment code **031 Primary sutures** is 4, and derives **VB02Z Emergency Medicine, Category 3 Investigation with Category 4 Treatment**.

VB99Z Emergency Medicine, Patient Dead On Arrival is for patients that are dead on arrival (DOA). This HRG is derived when data item *A&E Patient Group* has a value of 70 (brought in dead). This HRG will be derived in preference to any other HRGs within this subchapter. However, where no investigation code or treatment code is recorded, this activity will generate HRG **UZ01Z Data Invalid for Grouping**.

VB10Z Emergency Medicine, Dental Care identifies a specific cohort of patients that seek emergency care for dental treatment only. This HRG will be derived in preference to any other HRGs within this subchapter. The table below identifies the combination of investigation codes and treatment codes that map to this HRG, based around the investigation code **22 Dental Investigation** and/or the treatment code **56 Dental Treatment** being recorded:

Inv. Code	Investigation Description	Treat. Code	Treatment Description
01	X-ray plain film	56	Dental treatment
22	Dental investigation	56	Dental treatment
24	None	56	Dental treatment
99	Other	56	Dental treatment
22	Dental investigation	57	Prescription/medicines prepared to take away
22	Dental investigation	99	None (consider guidance/advice option)

Subchapter VB: Worked Examples

The examples below show how the different investigation codes and treatment codes are grouped to the various emergency medicine HRGs within this subchapter.

Case	Invest.1	Invest. 2	Treat. 1	Treat. 2	Dominant investigation	Dominant treatment	HRG4+
A	01-X-Ray (Category 2)	02-Electrocardiogram (Category 1)	11-Incision & drainage (Category 3)	511-Medication administered-oral (Category 2)	01-X-ray (as Category 2>1)	11-Incision & drainage (as Category 3>2)	VB05Z Category 2 Investigation with Category 3 Treatment
B	01-X-Ray (Category 2)	02-Electrocardiogram (Category 1)	282-Parenteral thrombolysis - recombinant - plasminogen activator (Category 5)	99-None (consider guidance/advice option) (Category 0 or 1)	01-X-ray (as Category 2>1)	282-Parenteral thrombolysis - recombinant - plasminogen activator (as Category 5>1 and 0)	VB01Z Any Investigation with Category 5 Treatment
C	22-Dental investigation	24-None	56-Dental treatment	99-None (consider guidance/advice option)	22-Dental investigation	56-Dental treatment	VB10Z Dental Care
D	24-None		56-Dental treatment	99-None (consider guidance/advice option)	24-None	56-Dental treatment	VB10Z Dental Care
E	22-Dental investigation	24-None	222-Guidance/advice only - verbal	99-None (consider guidance/advice option)	22-Dental investigation	222-Guidance/advice only – verbal	VB08Z Emergency Medicine, Category 2 Investigation with Category 1 Treatment
F	13-Genito urinary contrast examination/ tomography (Category 3)	03-Haematology (Category 2)	031-Primary sutures** (Category 3 or 4)	511-Medication administered - oral (Category 2)	13-Genito urinary contrast examination/ tomography (Category 3)	031-Primary sutures	VB02Z Category 3 Investigation with Category 4 Treatment
G	05-Biochemistry (Category 1)	24-None	17-Urinary catheter/suprapubic (Category 3 or 4)	12-Intravenous cannula (Category 0 or 1)	05-Biochemistry (Category 1)	17-Urinary catheter/suprapubic	VB06Z Category 1 Investigation with Category 3-4 Treatment

** **031 Primary sutures** is considered Category 4 in this example as it is recorded with a Category 3 dominant investigation. See page above for further detail.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

To confirm, this means that the input data required to generate the appropriate VB* HRGs continue to be based on the contents of Commissioning Data Set 010 Accident and Emergency, rather than CDS 011 Emergency Care (ECDS). The latter may be used to generate the HRGs once the contents (recorded via a SNOMED-CT subset as determined by the Royal College of Emergency Medicine) have been mapped to the required Investigation and Treatment codes, as per CDS 010, on which HRG derivation currently relies.

For further information on the ECDS, including the Enhanced Technical Output Specification containing the mapping of CDS010 Investigation and Treatment codes and their SNOMED-CT equivalents, please see:

<https://digital.nhs.uk/data-and-information/data-collections-and-data-sets/data-sets/emergency-care-data-set-ecds/ecds-latest-update>

Subchapter VC – Rehabilitation

Subchapter **VC Rehabilitation** covers all activities relating to the assessment for, and the delivery of, rehabilitation for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

Subchapter VC comprises:

- Assessment for rehabilitation
- Specific rehabilitation services for both inpatients and outpatients
- Rehabilitation services delivered to adults, children, and older people
- Rehabilitation services delivered by the NHS and, potentially, other accredited providers

The unbundled rehabilitation HRGs are not intended to cover the following:

- Rehabilitation within an acute care treatment episode
- The identification of highly complex specialist rehabilitation

The rehabilitation delivery HRGs are unbundled on a per diem basis, based on the number of rehabilitation days recorded in the CDS field. They are only generated where care is identified as taking place under a specialist rehabilitation consultant or within a discrete rehabilitation unit.

The rehabilitation delivery HRGs are differentiated based on the reason for rehabilitation, e.g. for stroke, for hip fracture, for burns, etc., and require the use of OPCS-4 codes in categories ***U50-U54 Delivery of rehabilitation***.

The rehabilitation assessment HRGs are differentiated based on whether they are unidisciplinary or multidisciplinary assessments, the latter of which is further split by specialist or non-specialist.

Note that according to national coding standards, “where a patient receives rehabilitation assessment (***X60***) and actual rehabilitation (***U50–U54***) within the same hospital provider spell, only 1 code is required from within the range (***U50–U54***)”.

An unbundled rehabilitation assessment HRG is generated per instance of an OPCS-4 code from category ***X60.- Rehabilitation assessment*** recorded.

A diagnosis code indicating rehabilitation is not required to generate any of the unbundled rehabilitation HRGs.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	23	23
Total HRG Roots	23	23
Procedure-driven HRGs	23	23
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter WD – Treatment of Mental Health Patients by Non-Mental Health Service Providers

Subchapter **WD Treatment of Mental Health Patients by Non-Mental Health Service Providers** covers the treatment of mental health disorders in NHS organisations that do not provide specialist mental health services but do provide treatment to patients with a primary mental health condition, prior to discharge or transfer to a specialist mental health provider.

The majority of diagnosis-driven activity relating to the treatment of children (aged 18 years and under) with primary mental health disorders groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, predominantly Subchapter **PT Paediatric Mental Health Disorders**, in line with the requirements of the Casemix Design Framework. However, some mental health disorders, such as those relating to sexual relationship disorders, map to HRGs within this subchapter irrespective of the age of the patient, due to the nature of treating these conditions.

The HRGs within this subchapter are differentiated based on type of mental health disorder, such as Alzheimer's or schizophrenia.

Mental health services provided by specialist mental health providers fall outside the HRG design.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	9	29
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	9	9
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter WF – Non-Admitted Consultations

Subchapter **WF Non-Admitted Consultations** covers non-admitted consultations, including outpatients and ward attenders, for patients of all ages.

Subchapter WF comprises:

- Unidisciplinary face-to-face first and follow-up attendances
- Multiprofessional face-to-face first and follow-up attendances
- Unidisciplinary non-face-to-face first and follow-up attendances
- Multiprofessional non face-to-face first and follow-up attendances

Where significant procedures are recorded in outpatient attendances, an appropriate procedure-driven HRG from another subchapter is generated.

For outpatients or ward attenders, a significant procedure may not always be recorded. In these cases, activity is grouped to an attendance HRG in this subchapter.

The attendance HRG derived is based on the type of attendance (using the FIRST ATTENDANCE data item), modified by the presence of the following OPCS-4 codes to differentiate multiprofessional attendances:

- **X62.2 Assessment by multi-professional team NEC**
- **X62.3 Assessment by multi-disciplinary team NEC**

The table below shows how the type of attendance and the assessment OPCS-4 code recorded determine the attendance HRGs derived:

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	8	8
Total HRG Roots	2	2
Procedure-driven HRGs	8	8
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

		Attendance Type*			
		1 First Attendance Face-to-face	2 Follow-up Attendance Face-to-face	3 First Telephone or Telemedicine Consultation	4 Follow-up Telephone or Telemedicine Consultation
OPCS-4 Code	None ** or X62.1 Assessment by uni-professional team NEC or X62.8 Other specified assessment or X62.9 Unspecified assessment	WF01B Non-Admitted Face-to-Face Attendance, First	WF01A Non-Admitted Face-to-Face Attendance, Follow-up	WF01D Non-Admitted Non-Face-to-Face Attendance, First	WF01C Non-Admitted Non-Face-to-Face Attendance, Follow-up
	X62.2 Assessment by multi-professional team NEC or X62.3 Assessment by multi-disciplinary team NEC	WF02B Multiprofessional Non-Admitted Face-to-Face Attendance, First	WF02A Multiprofessional Non-Admitted Face-to-Face Attendance, Follow-up	WF02D Multiprofessional Non-Admitted Non-Face-to-Face Attendance, First	WF02C Multiprofessional Non-Admitted Non-Face-to-Face Attendance, Follow-up

* Attendance Type refers to the data item FIRST ATTENDANCE.

** None or OPCS-4 codes with a procedure hierarchy value of 1 (which are Ignored for Grouping)

- OPCS-4 codes **X62.2 Assessment by multi-professional team NEC** and **X62.3 Assessment by multi-disciplinary team NEC** have a PH value of 4, reflecting the additional expected resource use of providing multi-professional or multi-disciplinary care, whereas the remaining codes within OPCS-4 category **X62.- Assessment** each have a PH value of 3.
- Where **X62.2 Assessment by multi-professional team NEC** or **X62.3 Assessment by multi-disciplinary team NEC** are recorded in addition to other codes from category **X62.- Assessment**, the first highest of these multi-codes in the patient record will drive grouping.

Although national coding guidance stipulates that codes in OPCS-4 category **X62.- Assessment** should not be used to record anything other than outpatient care, if the dominant procedure code in an admitted patient care record is a code from this OPCS-4 code category, the HRG generated will default to either **WF01A Non-Admitted Face-to-Face Attendance, Follow-up** or **WF02A Multiprofessional Non-Admitted Face-to-Face Attendance, Follow-up**, depending on the actual OPCS-4 code recorded, and irrespective of the length of stay of the episode or spell. This is because where no ATTEND TYPE is

available in the Data Set, the Grouper will effectively set the ATTEND TYPE to 2 as the default.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter WH – Poisoning, Toxic Effects, Special Examinations, Screening and Other Healthcare Contacts

Subchapter **WH Poisoning, Toxic Effects, Special Examinations, Screening and Other Healthcare Contacts** is made up of a range of disparate healthcare activity including poisoning, toxic effects, special examinations and screening. It includes activity undertaken in inpatient and day case settings.

The subchapter includes a single procedure-driven HRG root, for non-specific lymphatic system procedures for patients of all ages.

The majority of diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. However, planned procedures not carried out, disorders relating to organ donation, and procreative management map to HRGs within this subchapter irrespective of the age of the patient, due to the nature of treating these conditions.

The diagnosis-driven HRGs within this subchapter are differentiated based on the disorder or symptom type, such as poisoning, hyperthermia or alcohol intoxication.

There are specific HRGs for acute disorders including transplant rejection, other post-procedure complications and follow-up care, as well as HRGs specific to poisonings, allergies and effects of environment. The remaining HRGs cover various signs and symptoms and healthcare contacts, e.g. abdominal pain, senility, abnormal findings and respite care.

Length of stay logic is applied to HRG root **WH20 Respite Care** to determine which of the 3 duration-based HRGs is derived: for stays of 4 days or less, between 5 and 8 days, or 9 days or more.

There is 1 HRG root, **WH50 Procedure Not Carried Out**, specific to planned procedures not carried out. This root is split into 2 HRGs differentiated by the reason the procedure was not carried out, as follows:

- **WH50A Procedure Not Carried Out, for Medical or Patient Reasons**
- **WH50B Procedure Not Carried Out, for Other or Unspecified Reasons**

Both of these HRGs can be generated in 2 ways.

WH50A Procedure Not Carried Out, for Medical or Patient Reasons can be derived with a primary diagnosis of any of the following 3 ICD-10 codes:

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	68	68
Total HRG Roots	28	28
Procedure-driven HRGs	2	2
Diagnosis-driven HRGs	66	66
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

- **Z28.0 Immunization not carried out because of contraindication**
- **Z28.1 Immunization not carried out because of patient's decision for reasons of belief or group pressure**
- **Z28.2 Immunization not carried out because of patient's decision for other and unspecified reasons**

WH50B Procedure Not Carried Out, for Other or Unspecified Reasons can be derived with a primary diagnosis of either of the following 2 ICD-10 codes:

- **Z28.8 Immunization not carried out for other reasons**
- **Z28.9 Immunization not carried out for unspecified reason**

Alternatively, **WH50A Procedure Not Carried Out, for Medical or Patient Reasons** employs global exception logic (Core 5) and can be generated when no significant procedure is recorded, with any primary diagnosis, and a secondary diagnosis from ICD-10 category **Z53.- Persons encountering health services for specific procedures, not carried out**, as follows:

- **Z53.0 Procedure not carried out because of contraindication**
- **Z53.1 Procedure not carried out because of patient's decision for reasons of belief and group pressure**
- **Z53.2 Procedure not carried out because of patient's decision for other and unspecified reasons**

WH50B Procedure Not Carried Out, for Other or Unspecified Reasons also employs global exception logic (Core 5) and can be generated when no significant procedure is recorded, with any primary diagnosis, and a secondary diagnosis from ICD-10 category **Z53.- Persons encountering health services for specific procedures, not carried out**, as follows:

- **Z53.8 Procedure not carried out for other reasons**
- **Z53.9 Procedure not carried out, unspecified reason**

Note that the dummy HRG root **WH99** enables direct mapping to **WH50B Procedure Not Carried Out, for Other or Unspecified Reasons**. This is not an HRG and is not included in the counts in the Composition and Concepts table above.

Intervention splits are also employed within the majority of diagnosis-driven HRG roots within this subchapter to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter WJ – Infectious Diseases and Immune System Disorders

Subchapter **WJ Infectious Diseases and Immune System Disorders** covers multi-systemic infectious diseases and immune system disorders. It includes activity undertaken in inpatient and day case settings.

The majority of diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. However, genitourinary disorders map to HRGs within this subchapter irrespective of the age of the patient, due to the nature of treating these conditions.

The diagnosis-driven HRGs within this subchapter are differentiated on disorder type such as sepsis, fever, HIV and genitourinary medicine (GUM) disorders.

There is a single HRG root specific to all other immune system disorders.

There are also HRGs for multi-systemic infections that are differentiated based on the expected complexity of care. These HRGs are split into 3 levels – standard, major and complex.

Within the multi-systemic infections HRG, escalation up 1 complexity level can occur when a secondary diagnosis indicating that the patient requires isolation or has antimicrobial resistance is recorded.

Intervention splits, including those that differentiate between whether a single “minor intervention” or multiple “minor interventions” have been undertaken, are employed within the majority of the HRG roots in this subchapter. Intervention splits are used to acknowledge where “minor interventions” undertaken during a patient admission are expected to result in additional resource usage.

Interactive CC splits are employed within the majority of HRG roots within this subchapter – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	38	38
Total HRG Roots	8	8
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	38	38
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	Yes	Yes
Multiple Procedures	No	No
Procedure Combination Codes	No	No
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	No	No

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter XA – Neonatal Critical Care

Subchapter **XA Neonatal Critical Care** includes unbundled HRGs and covers neonatal critical care, including transportation (retrieval).

Other critical care services are addressed in Subchapters **XC Adult Critical Care** and **XB Paediatric Critical Care**.

The HRGs within this subchapter are split into 5 levels of complexity: there is 1 HRG specific to neonatal intensive care activity (NICU) – **XA01Z Neonatal Critical Care, Intensive Care** – and 1 HRG specific to neonatal high dependency care (NHCU) – **XA02Z Neonatal Critical Care, High Dependency**, and there are 3 HRGs specific to neonatal special care baby unit (SCU) or transitional care activity – **XA03Z Neonatal Critical Care, Special Care, without External Carer**, **XA04Z Neonatal Critical Care, Special Care, with External Carer** and **XA05Z Neonatal Critical Care, Neonatology Supported Care**.

The unbundled HRGs within this subchapter are generated from information within the Neonatal Critical Care Minimum Data Set (Version 2.0, 2016) on a per diem basis, based on the Critical Care Unit Function (CCUF) and Critical Care Activity Code (CCAC) recorded. The main driver for grouping is the CCAC.

See SCCI Information Standard 0075 for further information regarding the updated 2016 NCCMDS: <https://digital.nhs.uk/data-and-information/information-standards/information-standards-and-data-collections-including-extractions/publications-and-notifications/standards-and-collections/scci0075-neonatal-critical-care-minimum-data-set-version-2>

For this subchapter, grouping is based on data items from the Neonatal Critical Care Minimum Data Set (Version 2.0, 2016), but additional data items are required from the APC data set (Discharge Date and Discharge Method).

A neonatal critical care HRG is generated for each day the baby receives critical care. The HRGs are unbundled, being generated in addition to the core HRGs for the associated admitted patient care episode and spell.

Please see the grouping algorithm flowchart at the end of the subchapter for further information.

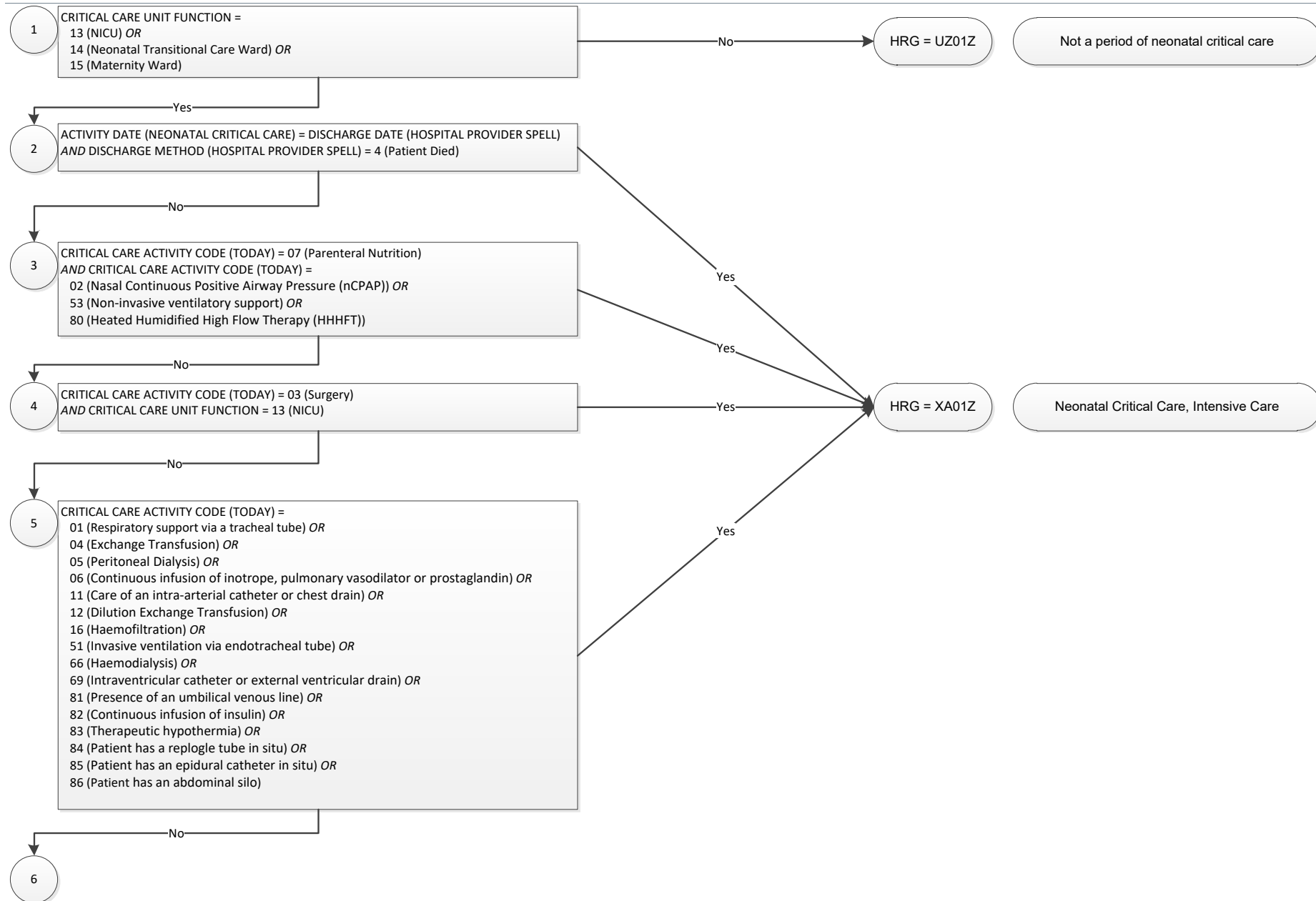
There is also an HRG specific to neonatal transportation – **XA06Z Neonatal Critical Care, Transportation**. This HRG is derived from the APC data set as the Neonatal Critical Care data set does not incorporate data items that can be used to identify transportation. This represents the transfer of a baby in neonatal critical care from 1 provider trust to another.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	6	6
Total HRG Roots	6	6
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	0	0
Age Splits	N/A	N/A
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

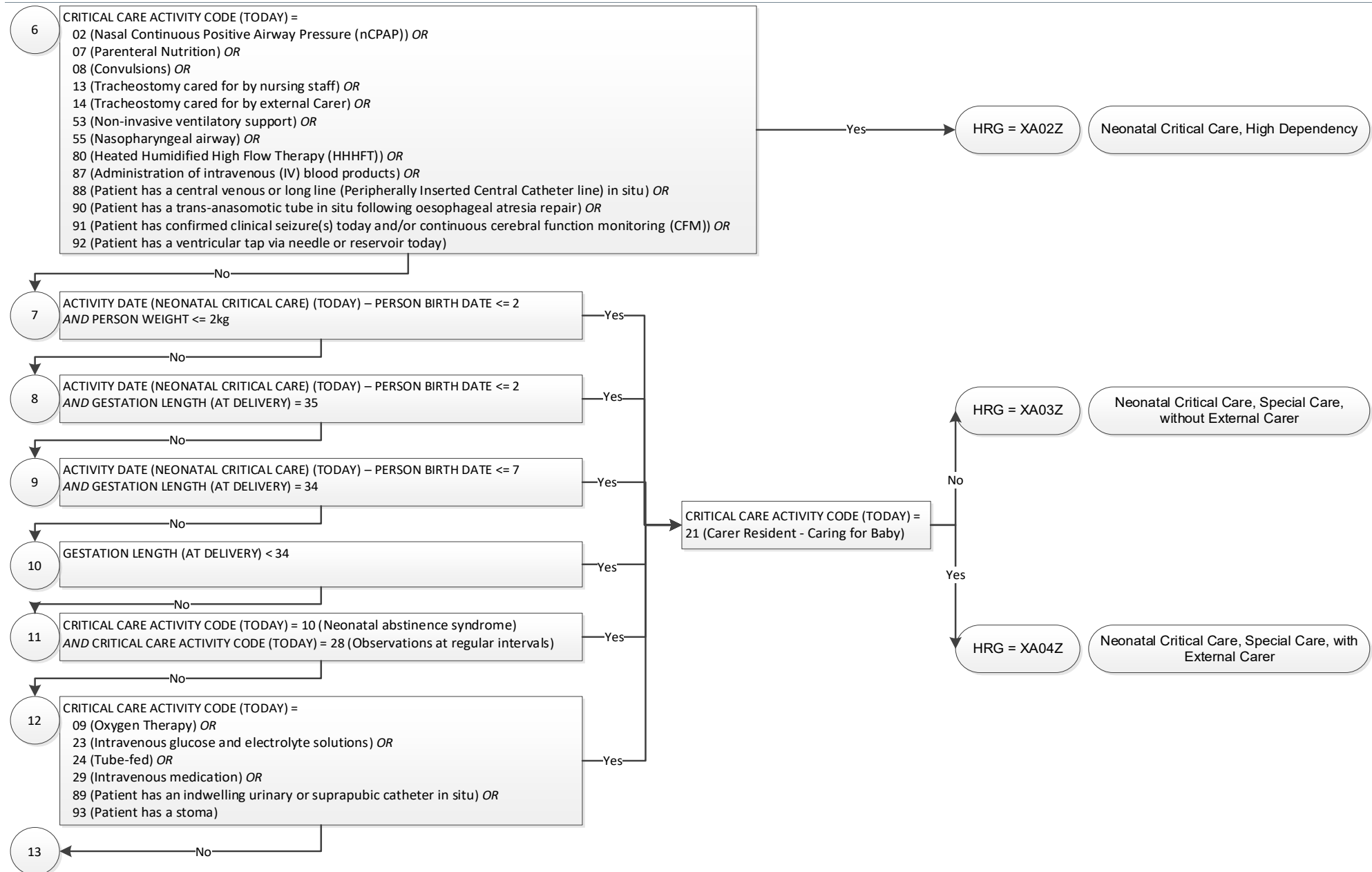
All of the following criteria must be met in order to derive the transportation HRG:

Data Item	Value	Notes
Admission Method	<p>81 Transfer of any admitted patient from other hospital provider other than in an emergency</p> <p><u>or</u></p> <p>28 Other Means (includes transfer of an admitted patient from another hospital provider in an emergency)</p> <p><u>or</u></p> <p>2B Transfer of an admitted PATIENT from another Hospital Provider in an emergency</p>	Hospital transfer
Source of Admission	<p>52 NHS other hospital provider - ward for maternity patients or neonates</p> <p><u>or</u></p> <p>87 Non NHS run hospital</p>	Confirms the transfer is from another hospital (Admission Method 28 includes other locations)
Treatment Function Code	422 Neonatal Critical Care Service	Includes Special Care, High Dependency and Intensive Care
Neonatal Level of Care	<p>3 Level 1 Intensive Care (Maximal Intensive Care)</p> <p><u>or</u></p> <p>2 Level 2 Intensive Care (High Dependency Intensive Care)</p>	

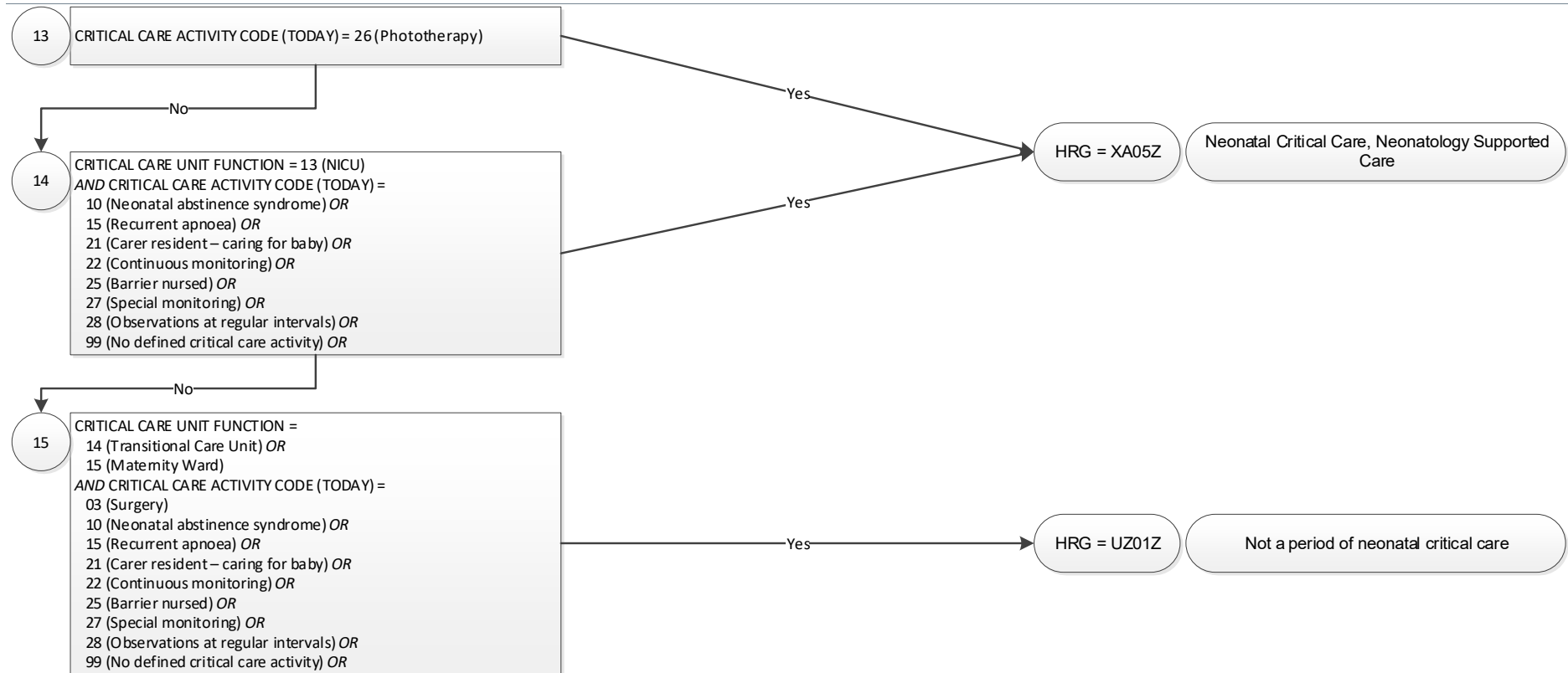
HRG4+ 2025/26 Local Payment Grouper Chapter Summaries



HRG4+ 2025/26 Local Payment Grouper Chapter Summaries



HRG4+ 2025/26 Local Payment Grouper Chapter Summaries



Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter XB – Paediatric Critical Care

Subchapter **XB Paediatric Critical Care** includes unbundled HRGs and covers paediatric critical care, including transportation (retrieval).

Other critical care services are addressed in Subchapters **XC Adult Critical Care** and **XA Neonatal Critical Care**.

The HRGs within this subchapter are split into 8 levels of complexity: there are 5 HRGs specific to paediatric intensive care activity that would be undertaken in a paediatric intensive care unit (PICU); and 3 HRGs specific to paediatric high dependency care activity that may take place in a PICU or paediatric high dependency unit or ward.

The unbundled HRGs within this subchapter are generated from information within the Paediatric Critical Care Minimum Data Set (Version 2.0, 2016) on a per diem basis, based on the Critical Care Unit Function (CCUF) and Critical Care Activity Code (CCAC) recorded. The main driver for grouping is the CCAC.

See SCCI Information Standard 0076 for further information regarding the updated 2016 PCCMDS: <https://digital.nhs.uk/data-and-information/information-standards/information-standards-and-data-collections-including-extractions/publications-and-notifications/standards-and-collections/scci0076-paediatric-critical-care-minimum-data-set-version-2>

For this subchapter, grouping is based on data items from the Neonatal Critical Care Minimum Data Set (Version 2.0, 2016), but additional data items are required from the APC data set (including Discharge Date and Discharge Method and Diagnosis). ICD-10 diagnosis codes are used to identify whether a patient has a condition which would typically require the patient to be treated in a single-occupancy isolation area.

A paediatric critical care HRG is generated for each day the child receives critical care. The HRGs are unbundled, being generated in addition to the HRGs for the associated admitted patient care episode and spell.

Please see the grouping algorithm flowchart at the end of the subchapter for further information.

There is also an HRG specific to paediatric transportation, **XB08Z Paediatric Critical Care, Transportation**. This HRG is derived from the APC data set as the Paediatric Critical Care data set does not incorporate data items that can be used to identify transportation or retrieval. This represents the transfer of a child in critical care from 1 provider trust to another.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	9	9
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	0	0
Age Splits	N/A	N/A
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

All of the following criteria must be met in order to derive the transportation HRG:

Data Item	Value	Notes
Admission Method	<p>81 Transfer of any admitted patient from other hospital provider other than in an emergency</p> <p><u>or</u></p> <p>28 Other Means (includes transfer of an admitted patient from another hospital provider in an emergency)</p> <p><u>or</u></p> <p>2B Transfer of an admitted PATIENT from another Hospital Provider in an emergency</p>	Hospital transfer
Source of Admission	<p>51 NHS other hospital provider - ward for general patients or the younger physically disabled or A&E department</p> <p><u>or</u></p> <p>87 Non NHS run hospital</p>	Confirms the transfer is from another hospital (Admission Method 28 includes other locations)
Treatment Function Code of the first episode in the spell	242 Paediatric Intensive Care Service	Only to be used by designated Paediatric Intensive Care Units

Subchapter XB: Worked Examples

Case A: A patient is being treated in the paediatric critical care unit and has apnoea requiring intervention.

Case	Critical Care Unit Function Code	Patient Age	Discharge Method (Hospital Provider Spell)	Main Critical Care Activity Code	Other Critical Care Activity Codes	ICD-10 Diagnosis Code		HRG4+
A	04 (Paediatric Intensive Care Unit)	10	1 (Patient discharged on clinical advice or with clinical consent)	58 Apnoea requiring intervention				XB07Z Paediatric Critical Care, Basic Critical Care

Case B: A patient is being treated on a ward for children and young people and has central venous pressure monitoring.

B	16 (Ward for children and young people)	10	1 (Patient discharged on clinical advice or with clinical consent)	62 Central venous pressure monitoring				XB06Z Paediatric Critical Care, Intermediate Critical Care
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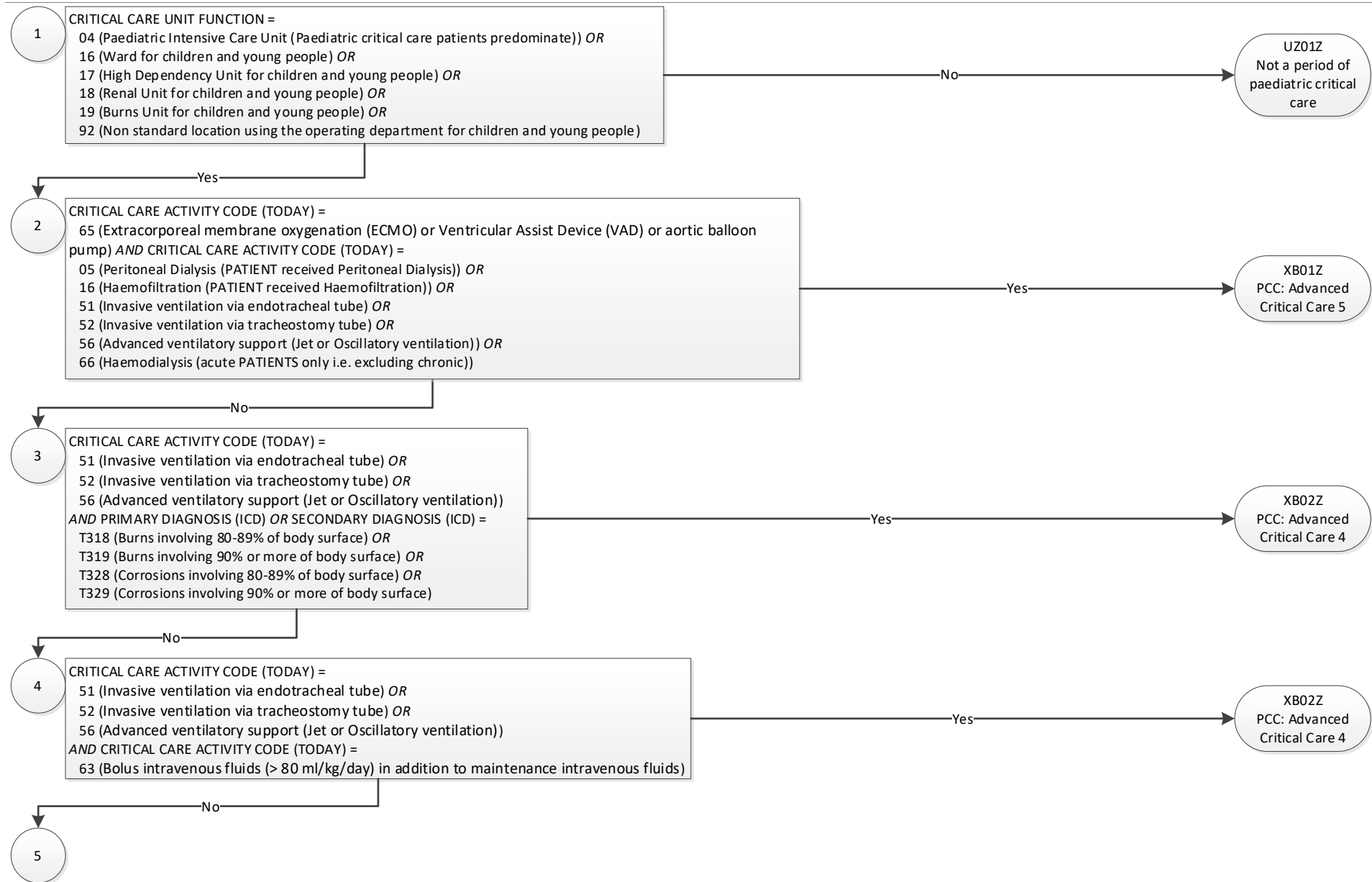
Case C: A patient is being treated in the paediatric critical care unit and has invasive ventilation after being severely burned. This illustrates how the diagnosis is used in deriving the HRG.

C	04 (Paediatric Intensive Care Unit)	10	1 (Patient discharged on clinical advice or with clinical consent)	51 Invasive ventilation via endotracheal tube		T31.5	Burns involving 50-59% of body surface	XB03Z Paediatric Critical Care, Advanced Critical Care 3
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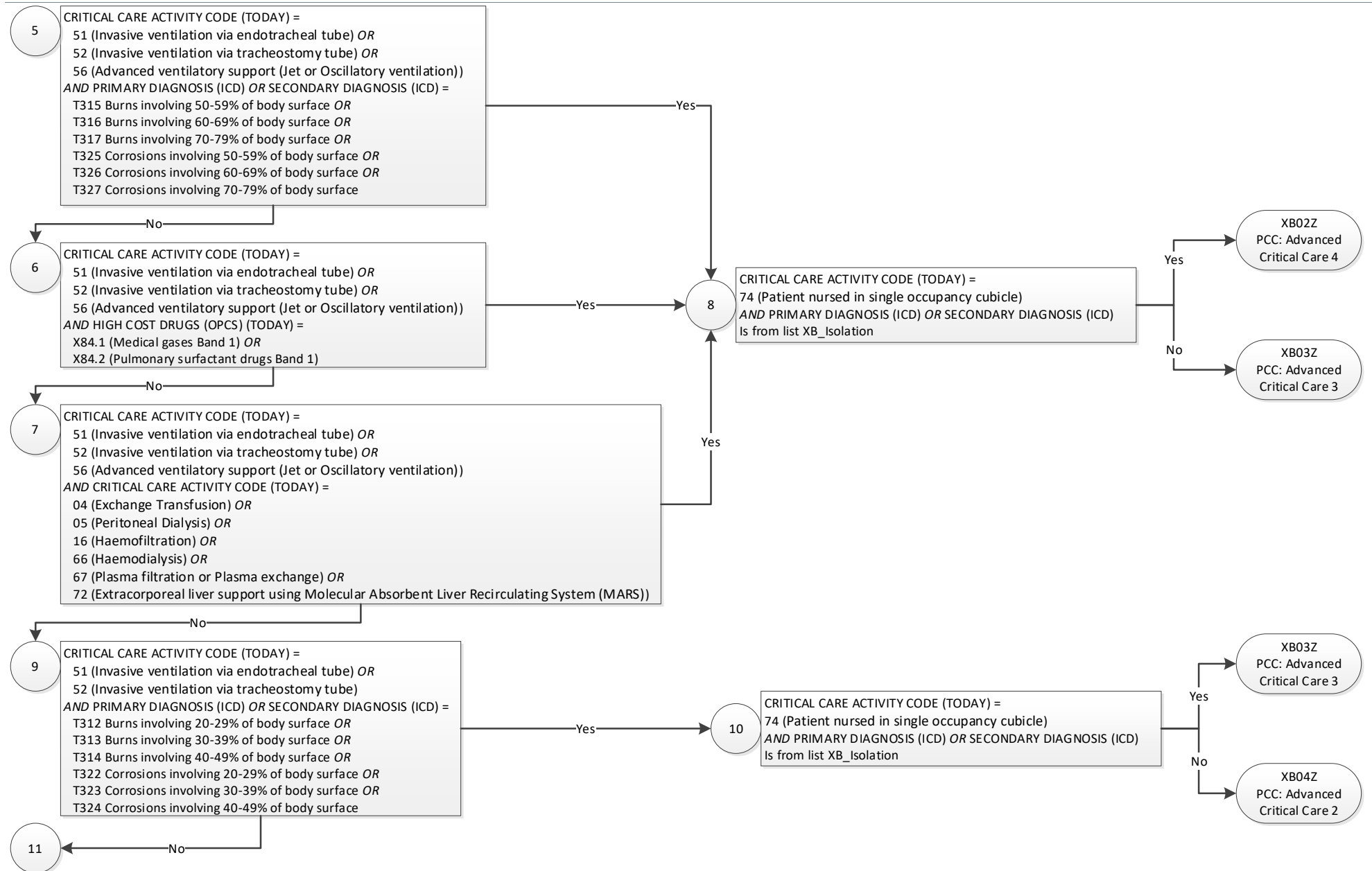
Case D: A patient with renal hypoplasia who develops adenoviral pneumonia is admitted to a single occupancy cubicle in the paediatric critical care unit. This illustrates how both the diagnosis and CCAC affect the HRG derived.

D	04 (Paediatric Intensive Care Unit)	10	1 (Patient discharged on clinical advice or with clinical consent)	51 Invasive ventilation via endotracheal tube	05 Peritoneal dialysis + 74 Patient nursed on single occupancy cubicle	Q60.5 + J12.0	Renal hypoplasia, unspecified + Adenoviral pneumonia	XB02Z Paediatric Critical Care, Advanced Critical Care 4
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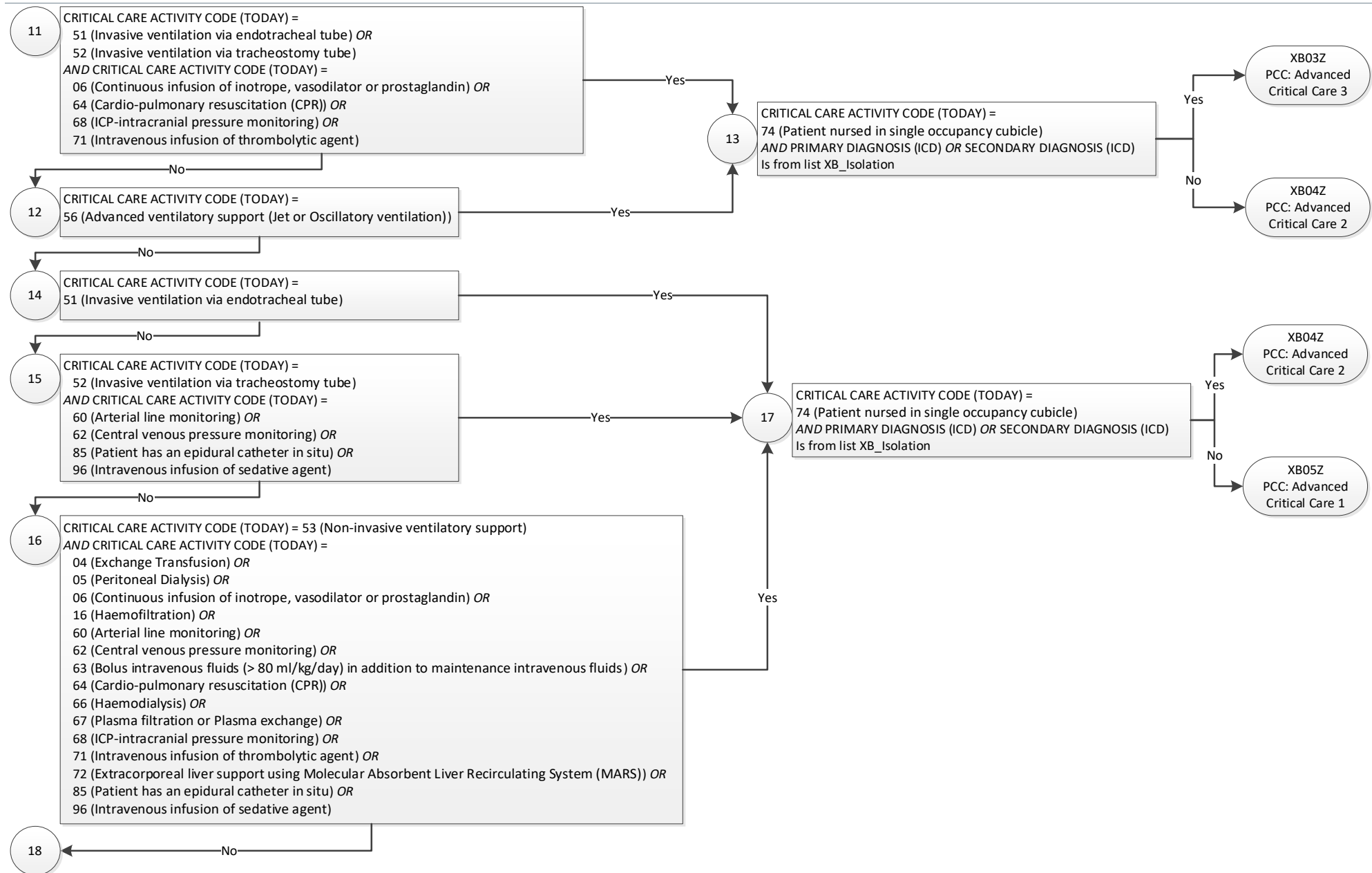
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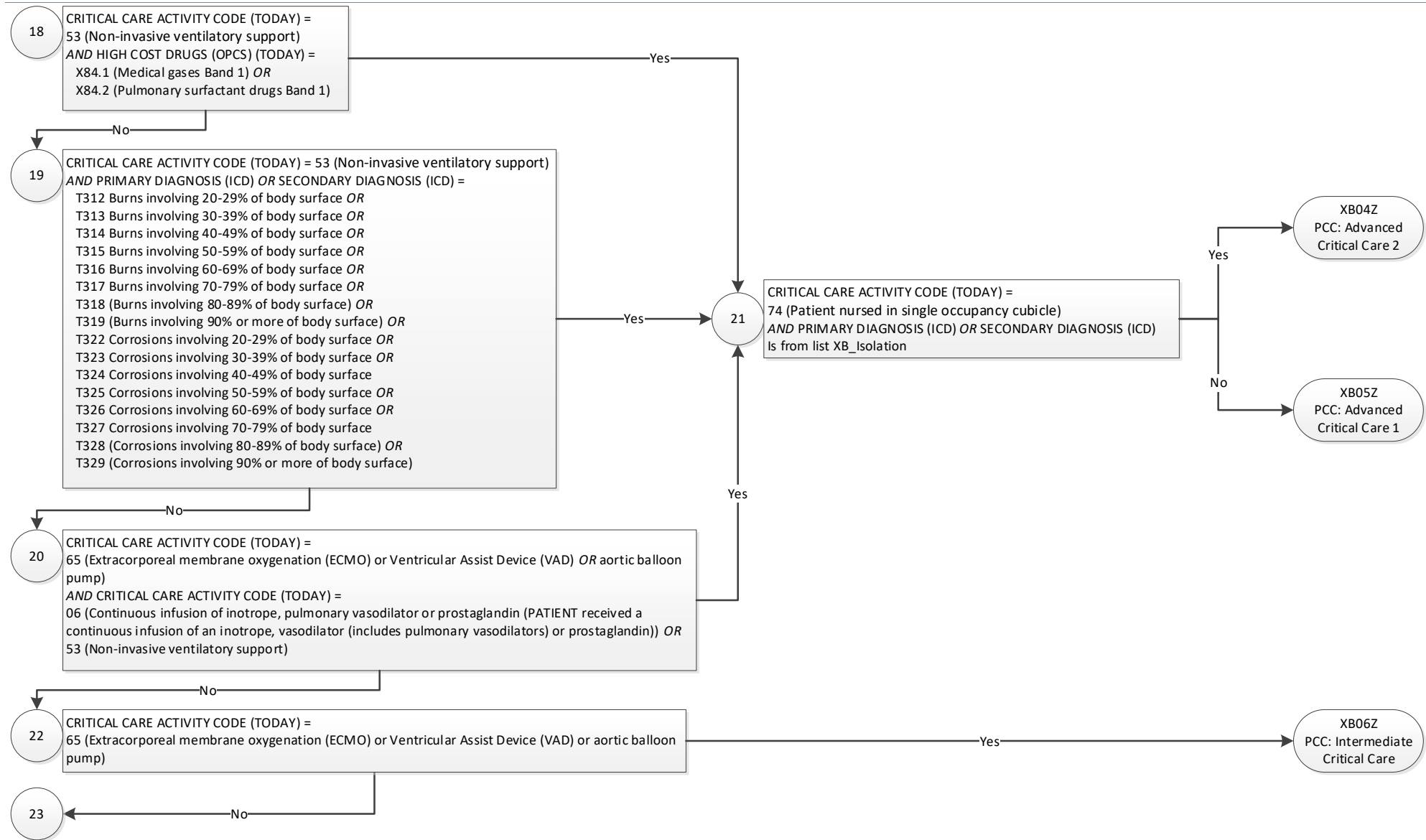
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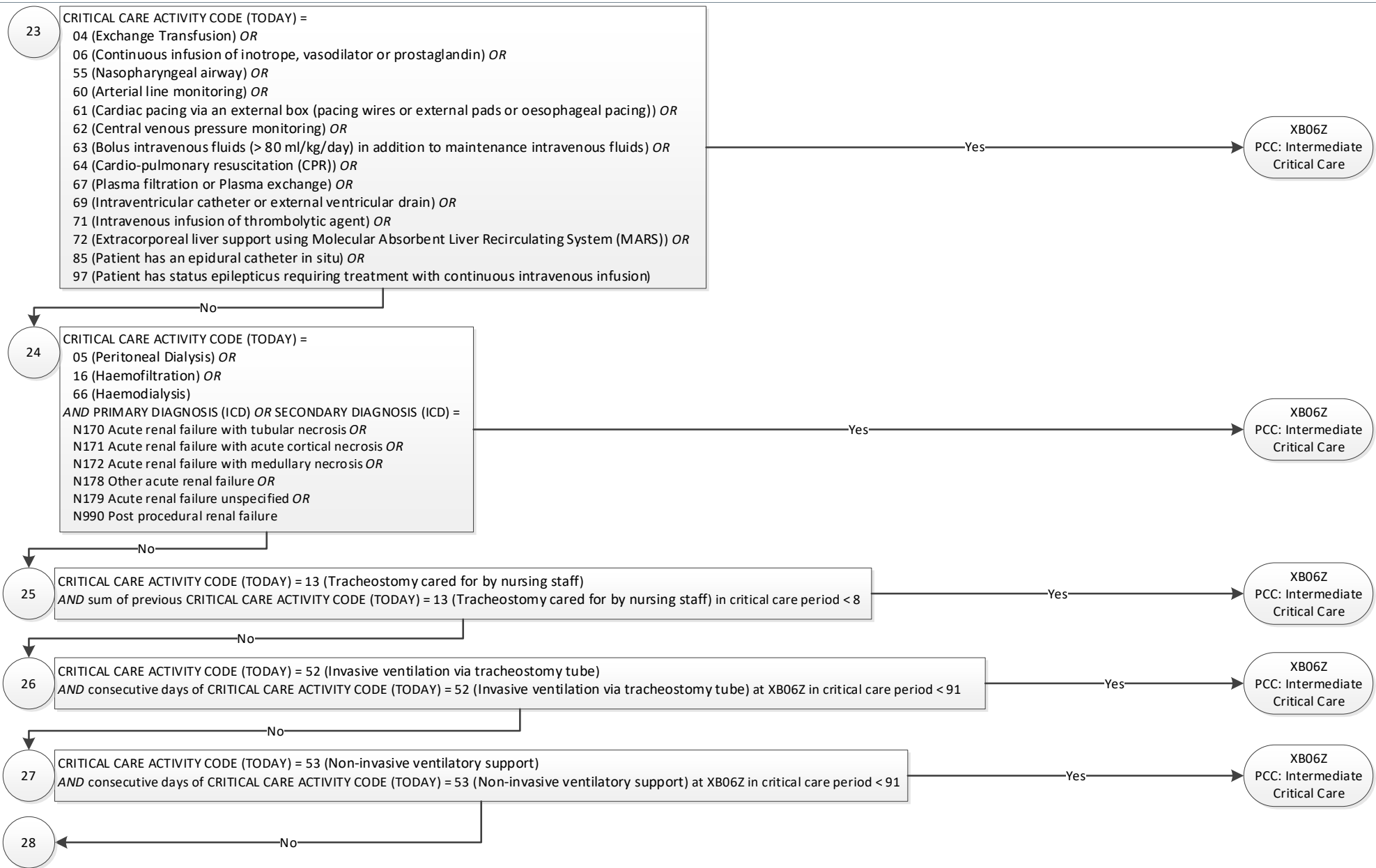
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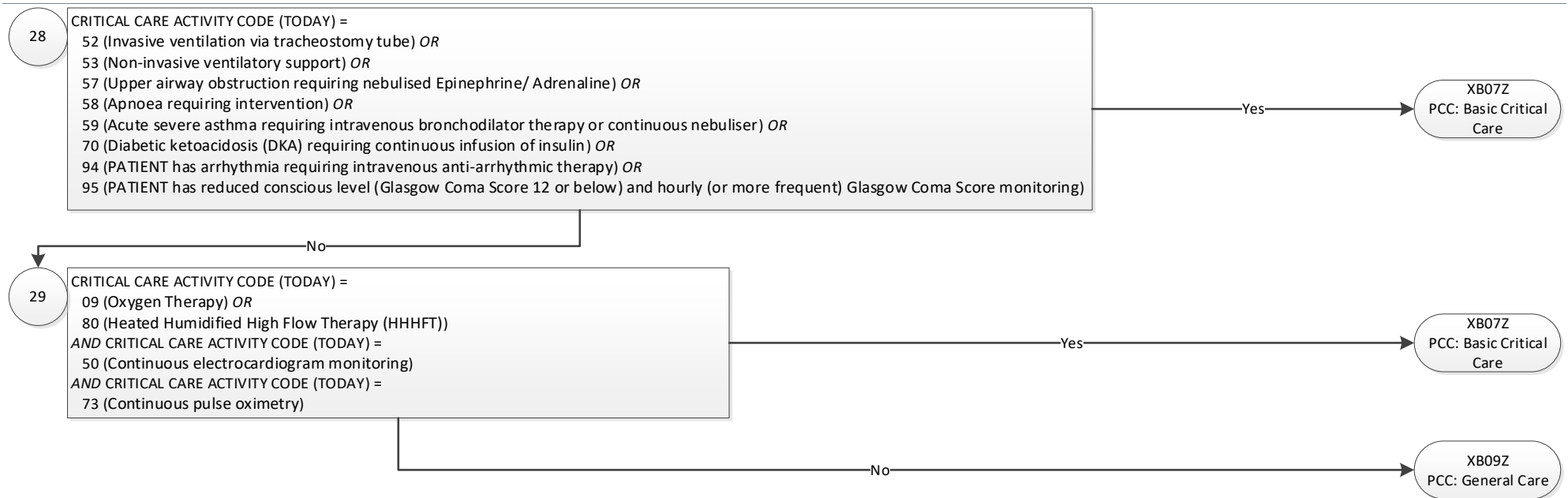
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Subchapter XB: List XB_ISOLATION

ICD-10 code	Description
A00.0	<i>Cholera due to Vibrio cholerae 01, biovar cholerae</i>
A00.1	<i>Cholera due to Vibrio cholerae 01, biovar eltor</i>
A00.9	<i>Cholera, unspecified</i>
A01.0	<i>Typhoid fever</i>
A01.1	<i>Paratyphoid fever A</i>
A01.2	<i>Paratyphoid fever B</i>
A01.3	<i>Paratyphoid fever C</i>
A01.4	<i>Paratyphoid fever, unspecified</i>
A02.0	<i>Salmonella enteritis</i>
A02.1	<i>Salmonella sepsis</i>
A02.2	<i>Localized salmonella infections</i>
A03.0	<i>Shigellosis due to Shigella dysenteriae</i>
A03.1	<i>Shigellosis due to Shigella flexneri</i>
A03.2	<i>Shigellosis due to Shigella boydii</i>
A03.3	<i>Shigellosis due to Shigella sonnei</i>
A03.8	<i>Other shigellosis</i>
A03.9	<i>Shigellosis, unspecified</i>
A04.3	<i>Enterohaemorrhagic Escherichia coli infection</i>
A04.5	<i>Campylobacter enteritis</i>
A04.7	<i>Enterocolitis due to Clostridium difficile</i>
A07.2	<i>Cryptosporidiosis</i>
A08.0	<i>Rotaviral enteritis</i>
A08.1	<i>Acute gastroenteropathy due to Norwalk agent</i>
A08.2	<i>Adenoviral enteritis</i>
A08.3	<i>Other viral enteritis</i>
A08.4	<i>Viral intestinal infection, unspecified</i>
A09.0	<i>Other and unspecified gastroenteritis and colitis of infectious origin</i>
A09.9	<i>Gastroenteritis and colitis of unspecified origin</i>
A15.0	<i>Tuberculosis of lung, confirmed by sputum microscopy with or without culture</i>
A15.1	<i>Tuberculosis of lung, confirmed by culture only</i>
A15.2	<i>Tuberculosis of lung, confirmed histologically</i>
A15.3	<i>Tuberculosis of lung, confirmed by unspecified means</i>
A15.4	<i>Tuberculosis of intrathoracic lymph nodes, confirmed bacteriologically and histologically</i>
A15.5	<i>Tuberculosis of larynx, trachea and bronchus, confirmed bacteriologically and histologically</i>
A15.6	<i>Tuberculous pleurisy, confirmed bacteriologically and histologically</i>
A15.7	<i>Primary respiratory tuberculosis, confirmed bacteriologically and histologically</i>

ICD-10 code	Description
A15.8	<i>Other respiratory tuberculosis, confirmed bacteriologically and histologically</i>
A15.9	<i>Respiratory tuberculosis unspecified, confirmed bacteriologically and histologically</i>
A17.0	<i>Tuberculous meningitis</i>
A19.2	<i>Acute miliary tuberculosis, unspecified</i>
A36.0	<i>Pharyngeal diphtheria</i>
A36.1	<i>Nasopharyngeal diphtheria</i>
A36.2	<i>Laryngeal diphtheria</i>
A36.3	<i>Cutaneous diphtheria</i>
A36.8	<i>Other diphtheria</i>
A36.9	<i>Diphtheria, unspecified</i>
A37.0	<i>Whooping cough due to Bordetella pertussis</i>
A37.1	<i>Whooping cough due to Bordetella parapertussis</i>
A37.8	<i>Whooping cough due to other Bordetella species</i>
A37.9	<i>Whooping cough, unspecified</i>
A38X	<i>Scarlet fever</i>
A39.0	<i>Meningococcal meningitis</i>
A39.2	<i>Acute meningococcaemia</i>
A39.4	<i>Meningococcaemia, unspecified</i>
A39.9	<i>Meningococcal infection, unspecified</i>
A87.1	<i>Adenoviral meningitis</i>
A98.4	<i>Ebola virus disease</i>
B00.0	<i>Eczema herpeticum</i>
B00.1	<i>Herpesviral vesicular dermatitis</i>
B00.2	<i>Herpesviral gingivostomatitis and pharyngotonsillitis</i>
B00.3	<i>Herpesviral meningitis</i>
B00.4	<i>Herpesviral encephalitis</i>
B00.5	<i>Herpesviral ocular disease</i>
B00.7	<i>Disseminated herpesviral disease</i>
B00.8	<i>Other forms of herpesviral infection</i>
B00.9	<i>Herpesviral infection, unspecified</i>
B01.0	<i>Varicella meningitis</i>
B01.1	<i>Varicella encephalitis</i>
B01.2	<i>Varicella pneumonia</i>
B01.8	<i>Varicella with other complications</i>
B01.9	<i>Varicella without complication</i>
B02.0	<i>Zoster encephalitis</i>
B02.1	<i>Zoster meningitis</i>
B02.2	<i>Zoster with other nervous system involvement</i>
B02.3	<i>Zoster ocular disease</i>
B02.7	<i>Disseminated zoster</i>
B02.8	<i>Zoster with other complications</i>

ICD-10 code	Description
B02.9	<i>Zoster without complication</i>
B05.0	<i>Measles complicated by encephalitis</i>
B05.1	<i>Measles complicated by meningitis</i>
B05.2	<i>Measles complicated by pneumonia</i>
B05.3	<i>Measles complicated by otitis media</i>
B05.4	<i>Measles with intestinal complications</i>
B05.8	<i>Measles with other complications</i>
B05.9	<i>Measles without complication</i>
B15.0	<i>Hepatitis A with hepatic coma</i>
B15.9	<i>Hepatitis A without hepatic coma</i>
B17.2	<i>Acute hepatitis E</i>
B20.0	<i>HIV disease resulting in mycobacterial infection</i>
B20.1	<i>HIV disease resulting in other bacterial infections</i>
B20.2	<i>HIV disease resulting in cytomegaloviral disease</i>
B20.3	<i>HIV disease resulting in other viral infections</i>
B20.4	<i>HIV disease resulting in candidiasis</i>
B20.5	<i>HIV disease resulting in other mycoses</i>
B20.6	<i>HIV disease resulting in Pneumocystis jirovecii pneumonia</i>
B20.7	<i>HIV disease resulting in multiple infections</i>
B20.8	<i>HIV disease resulting in other infectious and parasitic diseases</i>
B20.9	<i>HIV disease resulting in unspecified infectious or parasitic disease</i>
B23.0	<i>Acute HIV infection syndrome</i>
B24X	<i>Unspecified human immunodeficiency virus [HIV] disease</i>
B26.0	<i>Mumps orchitis</i>
B26.1	<i>Mumps meningitis</i>
B26.2	<i>Mumps encephalitis</i>
B26.3	<i>Mumps pancreatitis</i>
B26.8	<i>Mumps with other complications</i>
B26.9	<i>Mumps without complication</i>
B30.0	<i>Keratoconjunctivitis due to adenovirus</i>
B30.1	<i>Conjunctivitis due to adenovirus</i>
B44.0	<i>Invasive pulmonary aspergillosis</i>
B44.1	<i>Other pulmonary aspergillosis</i>
B44.2	<i>Tonsillar aspergillosis</i>
B44.7	<i>Disseminated aspergillosis</i>
B44.8	<i>Other forms of aspergillosis</i>
B44.9	<i>Aspergillosis, unspecified</i>
B97.0	<i>Adenovirus as the cause of diseases classified to other chapters</i>
B97.4	<i>Respiratory syncytial virus as the cause of diseases classified to other chapters</i>
D70X	<i>Agranulocytosis</i>
D81.0	<i>Severe combined immunodeficiency [SCID] with reticular dysgenesis</i>

ICD-10 code	Description
D81.1	Severe combined immunodeficiency [SCID] with low T- and B-cell numbers
D81.2	Severe combined immunodeficiency [SCID] with low or normal B-cell numbers
D84.8	Other specified immunodeficiencies
J10.0	Influenza with pneumonia, seasonal influenza virus identified
J10.1	Influenza with other respiratory manifestations, seasonal influenza virus identified
J12.0	Adenoviral pneumonia
J12.1	Respiratory syncytial virus pneumonia
J12.2	Parainfluenza virus pneumonia
J15.2	Pneumonia due to staphylococcus
J15.8	Other bacterial pneumonia
J20.4	Acute bronchitis due to parainfluenza virus
J20.5	Acute bronchitis due to respiratory syncytial virus
J21.0	Acute bronchiolitis due to respiratory syncytial virus
J21.8	Acute bronchiolitis due to other specified organisms
J21.9	Acute bronchiolitis, unspecified
L12.3	Acquired epidermolysis bullosa
L51.1	Bullous erythema multiforme
L51.2	Toxic epidermal necrolysis [Lyell]
T31.2	Burns involving 20-29% of body surface
T31.3	Burns involving 30-39% of body surface
T31.4	Burns involving 40-49% of body surface
T31.5	Burns involving 50-59% of body surface
T31.6	Burns involving 60-69% of body surface
T31.7	Burns involving 70-79% of body surface
T31.8	Burns involving 80-89% of body surface
T31.9	Burns involving 90% or more of body surface
T32.2	Corrosions involving 20-29% of body surface
T32.3	Corrosions involving 30-39% of body surface
T32.4	Corrosions involving 40-49% of body surface
T32.5	Corrosions involving 50-59% of body surface
T32.6	Corrosions involving 60-69% of body surface
T32.7	Corrosions involving 70-79% of body surface
T32.8	Corrosions involving 80-89% of body surface
T32.9	Corrosions involving 90% or more of body surface
T86.0	Bone-marrow transplant rejection
U04.9	Severe acute respiratory syndrome [SARS], unspecified
U07.1	COVID-19, virus identified
U07.2	COVID-19, virus not identified
U07.5	Multisystem inflammatory syndrome associated with COVID-19
U82.1	Resistance to methicillin

ICD-10 code	Description
U82.2	<i>Extended spectrum betalactamase (ESBL) resistance</i>
U82.8	<i>Resistance to other betalactam antibiotics</i>
U82.9	<i>Resistance to betalactam antibiotics, unspecified</i>
U83.0	<i>Resistance to vancomycin</i>
U83.7	<i>Resistance to multiple antibiotics</i>
U83.8	<i>Resistance to other single specified antibiotic</i>
U84.1	<i>Resistance to antifungal drug(s)</i>
U84.2	<i>Resistance to antiviral drug(s)</i>
U84.3	<i>Resistance to tuberculostatic drug(s)</i>
U84.7	<i>Resistance to multiple antimicrobial drugs</i>
Z94.3	<i>Heart and lungs transplant status</i>
Z94.4 with Z94.0	<i>Liver transplant status with Kidney transplant status</i>
Z94.4 with Z94.8	<i>Liver transplant status with Other transplanted organ and tissue status</i>
A40.0 with M72.6*	<i>Sepsis due to streptococcus, group A with Necrotizing fasciitis</i>

* Fifth character

Differences from the HRG4+ 2024/25 Local Payment Grouper

Remapping of codes to more appropriately reflect resource usage

The HRG design has been amended to ensure that the existing Critical Care Activity Code **CCAC 65 Extracorporeal membrane oxygenation (ECMO) or Ventricular Assist Device (VAD) or aortic balloon pump** groups to the HRG that best reflects the associated expected resource use.

Whereas the presence of **CCAC 65** in a daily record would previously automatically generate **XB01Z Paediatric Critical Care, Advanced Critical Care 5**, the design logic has been updated to reflect that the expected resource usage is dependent on other elements of patient care.

The design has been updated so that when **CCAC 65** is recorded in a daily record with 1 of the CCACs listed below, the HRG generated will be **XB01Z Paediatric Critical Care, Advanced Critical Care 5**:

- **05 Peritoneal Dialysis (PATIENT received Peritoneal Dialysis)**
- **16 Haemofiltration (PATIENT received Haemofiltration)**
- **66 Haemodialysis (acute PATIENTS only i.e. excluding chronic)**
- **51 Invasive ventilation via endotracheal tube**
- **52 Invasive ventilation via tracheostomy tube**
- **56 Advanced ventilatory support (Jet or Oscillatory ventilation)**

When **CCAC 65** is recorded in a daily record with 1 or more of the following CCACs, the HRG generated will be **XB05Z Paediatric Critical Care, Advanced Critical Care 1**:

- **06 Continuous infusion of inotrope, pulmonary vasodilator or prostaglandin (PATIENT received a continuous infusion of an inotrope, vasodilator (includes pulmonary vasodilators) or prostaglandin)**
- **53 Non-invasive ventilatory support**

If the above is recorded in addition to **CCAC 74 PATIENT nursed in single occupancy cubicle** and has a diagnosis code from list **XB_Isolation**, the HRG generated will be **XB04Z Paediatric Critical Care, Advanced Critical Care 2**.

When **CCAC 65** is recorded in a daily record without any of the additional CCACs listed above, the HRG generated will be **XB06Z Paediatric Critical Care, Intermediate Critical Care**.

HRG label updated

The HRG label description for **XB09Z** has been updated from **Paediatric Critical Care, Enhanced Care** to **Paediatric Critical Care, General Care**. The move away from using “Enhanced Care” to “General Care” is intended to avoid confusion with Enhanced Care in Adult Critical Care. It also reflects that in many hospitals, patients requiring this level of care will be cared for on a general ward.

Subchapter XC – Adult Critical Care

Subchapter **XC Adult Critical Care** includes unbundled HRGs and covers adult critical care services. Other critical care services are addressed in Subchapters **XA Neonatal Critical Care** and **XB Paediatric Critical Care**.

Subchapter XC comprises unbundled HRGs specific to the numbers of organs the patient needs supported – from 0 to 6+ – and the HRGs are generated from information within the Critical Care Minimum Data Set (MDS).

The adult critical care HRGs are unbundled from the rest of the patient episode/spell.

Adult critical care HRGs are generated per Critical Care Period, i.e. 1 (maximum) HRG is generated for each Critical Care Period and not on a per diem basis, although the Grouper output will also identify the number of days of each critical care period.

In addition to the Critical Care Unit Function (CCUF) field, the following additional fields from the Critical Care MDS, relating to the organ support groups, are used in the derivation of these HRGs:

- Advanced Respiratory Support Days
- Basic Respiratory Support Days
- Advanced Cardiovascular Support Days
- Basic Cardiovascular Support Days
- Renal Support Days
- Neurological Support Days
- Dermatological Support Days
- Liver Support Days

Gastrointestinal support days do not contribute to the derivation of critical care HRGs, on clinical advice. The expected cost of providing this support is subsumed within the other organ support groups. In addition, in line with the Critical Care MDS, where basic respiratory and basic cardiovascular support occur on 1 day, it is counted as 1 organ.

Note that the “Organ Support Maximum” field is not used in grouping. The number of organ systems supported is calculated based on the existence of support days for each of the organ systems.

In addition to the fields listed above, the Grouper requires Critical Care Start Date and Critical Care Discharge Date in the input data. These are used to calculate critical care days in the Grouper output file. They are not used in HRG derivation.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	7	7
Total HRG Roots	7	7
Procedure-driven HRGs	0	0
Diagnosis-driven HRGs	0	0
Age Splits	N/A	N/A
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

The grouping algorithm flowchart below illustrates how each of the adult critical care HRGs is generated:



Subchapter XC: Worked Examples

Advanced Respiratory Support days	Basic Respiratory Support days	Advanced Cardiovascular support days	Basic Cardiovascular support days	Renal Support days	Neurological Support days	Dermatological Support days	Liver Support days	L2 Days	L3 Days	CC Start date	CC Discharge Date	Unit Function	Length of Stay	HRG	HRG Label
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Case A illustrates a patient having basic and advanced respiratory support.

1	1	0	0	0	0	0	0	1	1	01 Jan 20	02 Jan 20	1	2	XC05Z	2 organ systems supported
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Case B illustrates a patient having basic and advanced respiratory support plus basic and advanced cardiovascular support.

5	10	4	4	0	0	0	0	10	5	01 Jan 20	15 Jan 20	2	15	XC04Z	3 organ systems supported
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Case C illustrates a patient having basic and advanced respiratory support plus liver support.

2	1	0	0	0	0	0	1	0	3	01 Jan 20	03 Jan 20	2	3	XC04Z	3 organ systems supported
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Case D illustrates a patient having basic and advanced cardiovascular support.

0	0	5	5	0	0	0	0	10	0	01 Jan 20	10 Jan 20	1	10	XC06Z	One organ system supported
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Case E illustrates a patient with no organ systems supported and neither Level 2 nor Level 3 care.

Advanced Respiratory Support days	Basic Respiratory Support days	Advanced Cardiovascular support days	Basic Cardiovascular support days	Renal Support days	Neurological Support days	Dermatological Support days	Liver Support days	L2 Days	L3 Days	CC Start date	CC Discharge Date	Unit Function	Length of Stay	HRG	HRG Label
0	0	0	0	0	0	0	0	0	0	01 Jan 20	05 Jan 20	1	5	UZ01Z	Data Invalid for Grouping

Case F illustrates a patient with no organ systems support days and Level 2 care.

0	0	0	0	0	0	0	0	1	0	01 Jan 20	05 Jan 20	5	5	XC07Z	No organ systems supported
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Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter XD – High Cost Drugs

Comprises unbundled HRGs for select high cost drugs across all body systems, for patients of all ages.

The list of named high cost drugs was created by the Payment by Results team within the Department of Health (now the NHS England pricing team) in conjunction with advice from the High Cost Drugs Steering Group.

In Subchapter XD, there is a one-to-one mapping of high cost drug OPCS-4 codes to a high cost drug HRG.

Where multiple high cost drugs are recorded, multiple high cost drug unbundled HRGs will be generated, since a single unbundled HRG is generated for each distinct high cost drug OPCS-4 code recorded in the patient record.

Multiple doses of the same drug will only generate 1 unbundled high cost drug HRG, however, because the current HRG4+ design cannot consider dosage due to a lack of such information in the underlying OPCS-4 codes or other data fields within the Commissioning Data Sets (CDS).

Note that coding standard **PCSX24: High Cost Drugs (X81-X98)** currently states:

There is no national requirement to collect OPCS-4 High Cost Drugs data using codes in categories **X81-X98**, with the exception of:

- **X83.3 Fibrinolytic drugs Band 1:** This must be assigned when alteplase is given in the treatment of acute stroke (see **PCSX25: Administration of thrombolytic / fibrinolytic drugs and alteplase**).
- **X90.4 Intravenous nutrition Band 1:** This must be assigned once on every episode that a patient receives parenteral nutrition, regardless of the number of days this is given.
- **X89.2 Monoclonal antibodies Band 2:** This must be assigned when neutralising monoclonal antibodies are administered for the treatment of COVID-19.

However, where any high cost drug OPCS-4 codes are recorded in the patient record, the associated unbundled high cost drug HRG(s) will be derived.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	58	58
Total HRG Roots	58	58
Procedure-driven HRGs	58	58
Diagnosis-driven HRGs	0	0
Age Splits	N/A	N/A
Complications and Comorbidities Splits	N/A	N/A
Intervention Splits	N/A	N/A
Multiple Procedures	N/A	N/A
Procedure Combination Codes	N/A	N/A
Diagnosis-qualified	N/A	N/A
Subsidiary Procedure-qualified	N/A	N/A
Length of Stay-qualified	N/A	N/A

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YA – Neurological Imaging Interventions

Subchapter **YA Neurological Imaging Interventions** covers neurological imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the neurosurgery procedures mapped to Subchapter **AA Nervous System Procedures and Disorders** and from the other non-vascular imaging interventions found in the other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated based on the type of intracranial and extracranial imaging intervention performed, e.g. embolisation of brain aneurysm, angiography of intracranial blood vessel.

The embolisation of intracranial or extracranial aneurysm HRGs (**YA01-YA03***) are differentiated based on the size of aneurysms treated (small or medium, large, and giant); and/or by the number of aneurysms treated (single, 2 or 3 or more aneurysms). These are defined as per the OPCS-4 codes.

In addition, there is escalation logic to map to the appropriate HRG where procedure codes indicating multiple aneurysms of different intracranial or extracranial blood vessels are operated on.

To reflect the complex nature of the procedures, flow diverting stent assisted coil embolisation and stent assisted liquid polymer embolisation of aneurysm procedures map directly to HRG **YA01Z Percutaneous Transluminal Embolisation of, Single Giant or 3 or more Other, Intracranial or Extracranial Aneurysms** irrespective of the size or number of aneurysms treated.

There is also logic on many of the embolisation of intracranial or extracranial blood vessel procedure codes to reach HRG **YA04Z Percutaneous Transluminal Embolisation of Intracranial Arteriovenous Malformation** where a primary diagnosis indicating an arteriovenous malformation is recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. As many OPCS-4 codes for vascular imaging interventions are not blood vessel specific, many **+NEURO** combination codes are used specific to operations on the intracranial or extracranial blood vessels to appropriately map them to HRGs within this subchapter. These use combination list **CL_Neuro**, which includes OPCS-4 site codes relating to the blood vessels of the brain.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	11	11
Total HRG Roots	8	8
Procedure-driven HRGs	11	11
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric neurological imaging intervention activity.

HRG YA11Z Percutaneous Transluminal Arteriography, of Intracranial or Extracranial Blood Vessel employs maximum length of stay logic to ensure that relatively minor procedures such as cerebral angiography are not used to determine the HRG for a long stay medical patient, e.g. a person who has suffered a stroke.

Interactive CC splits are employed within 2 of the HRG roots in this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients. These use list **YAYQYR_CC**.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YC – Head and Neck Imaging Interventions

Subchapter **YC Head and Neck Imaging Interventions** covers head and neck imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open and endoscopic head and neck procedures mapped to Subchapters **CA Ear, Nose, Mouth, Throat, Head and Neck Procedures** and **KA Endocrine System Procedure and Disorders** and from the other non-vascular imaging interventions found in other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated based on the type of head and neck imaging intervention performed. There are HRGs for image guided biopsies, aspirations and therapeutic procedures.

- **YC02Z Percutaneous Fine Needle Aspiration Biopsy of Lesion of, Head or Neck** is reached with a dominant head or neck biopsy procedure and a subsidiary OPCS-4 code indicating fine needle aspiration biopsy.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. The majority of procedures that map to this subchapter are either classified using a combination code consisting of an OPCS-4 code followed by a subsidiary OPCS-4 code indicating that the procedure was performed under image control, or a subsidiary OPCS-4 code indicating a site of head or neck, or a combination thereof.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric head and neck imaging intervention activity.

All HRGs within this subchapter employ maximum length of stay logic to ensure that relatively minor procedures such as biopsy of thyroid gland are not used to determine the HRG for a long stay medical patient, e.g. a person who has complicated diabetes.

As the majority of head and neck imaging intervention activity is short stay, there are no complication and comorbidity splits within this subchapter.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	3	3
Total HRG Roots	3	3
Procedure-driven HRGs	3	3
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Subchapter YD – Thoracic Imaging Interventions

Subchapter **YD Thoracic Imaging Interventions** covers thoracic imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open and endoscopic thoracic procedures mapped to Subchapter **DZ Respiratory System Procedures and Disorders** and from the other non-vascular imaging interventions found in other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated based on the type of thoracic imaging intervention performed. There are HRGs specific to thoracic ablation procedures, biopsy of pleura and lung or mediastinum, drainage and aspiration of pleural cavity.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify different types of lung ablation.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric thoracic imaging intervention activity.

With the exception of HRG **YD01Z Percutaneous Ablation of Lesion of Respiratory Tract**, all of the HRGs within this subchapter employ maximum length of stay logic to ensure that relatively minor procedures such as thoracentesis are not used to determine the HRG for a long stay medical patient, e.g. a person who has tuberculosis.

As the majority of thoracic imaging intervention activity is short stay, there are no complication and comorbidity splits within this subchapter.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	5	5
Total HRG Roots	5	5
Procedure-driven HRGs	5	5
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YF – Gastrointestinal Imaging Interventions

Subchapter YF **Gastrointestinal Imaging Interventions** covers gastrointestinal imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open and endoscopic digestive system procedures mapped to Subchapters FF **Digestive System Procedures and Disorders** and FE **Digestive System Endoscopic Procedures** and from the other non-vascular imaging interventions found in the other subchapters within Chapter Y **Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are specific to the type of gastrointestinal imaging intervention performed. There are HRGs for the insertion of gastrostomy and jejunostomy tubes, for the single and multiple drainage of abdominal lesions, and for the biopsy of lesion of abdominal cavity.

- HRG YF02Z **Radiological Insertion of, Gastrojejunostomy or Jejunostomy Tube** can be reached directly via procedure codes indicative of radiological jejunostomy insertion, or where an insertion of gastrostomy tube is recorded alongside a subsidiary OPCS-4 code indicating a site of jejunum.
- HRG root YF03 **Multiple Percutaneous Drainage of Abdominal Lesion Procedures** is reached when 2 or more percutaneous abdominal drainage procedures are recorded.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify percutaneous biopsy using a subsidiary OPCS-4 code indicating “under image control”.

HRG root YF01 **Radiological Insertion of Gastrostomy Tube** includes an age split to separate paediatric activity (18 years and under) from adult activity (19 years and over).

Several HRGs within this subchapter employ maximum length of stay logic to ensure that these relatively minor procedures such as these procedures are not used to determine the HRG for a long stay medical patient, e.g. a person who has Crohn’s disease.

Interactive CC splits are employed within the 2 “drainage” HRG roots in this subchapter – up to a maximum of 3 levels – to more appropriately differentiate expected resource usage between routine and complex patients. These use list **FDFFFFYF_CC**.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	5	5
Procedure-driven HRGs	9	9
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YG – Hepatobiliary and Pancreatic Imaging Interventions

Subchapter **YG Hepatobiliary and Pancreatic Imaging Interventions** covers hepatobiliary and pancreatic imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open and endoscopic hepatobiliary and pancreatic procedures mapped to Subchapters **GA Hepatobiliary and Pancreatic System Open Procedures** and **GB Hepatobiliary and Pancreatic System Endoscopic Procedures**, respectively, and from the other non-vascular imaging interventions found in the other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated by type of hepatobiliary and pancreatic imaging intervention performed. There are HRGs for ablation procedures, the insertion of stents, drainage procedures, biopsies and other diagnostic and therapeutic procedures.

- The insertion of stent HRGs (**YG02*–YG05***) are differentiated based on type of stent: other or metal (requiring a subsidiary OPCS-4 code indicating metal stent insertion); with multiple stents (requiring an additional stent insertion procedure code); or with drainage (requiring an additional percutaneous drainage of hepatobiliary or pancreatic duct procedure code).

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify pancreas and liver ablation procedures.

HRG root **YG11 Percutaneous Punch Biopsy of Lesion of Liver** includes an age split to separate paediatric activity (18 years and under) from adult activity (19 years and over).

Several HRGs within this subchapter employ maximum length of stay logic to ensure that relatively minor procedures such as biopsies are not used to determine the HRG for a long stay medical patient, e.g. a person with liver failure.

Interactive CC splits are employed within many HRG roots in this subchapter – up to a maximum of 2 levels – to more appropriately differentiate expected resource usage between routine and complex patients. These use list **GAGBG CYG_CC**.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	16	16
Total HRG Roots	10	10
Procedure-driven HRGs	16	16
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YH – Musculoskeletal Imaging Interventions

Subchapter **YH Musculoskeletal Imaging Interventions** covers musculoskeletal imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings. However, it does not include any activity included in a Pain Management Programme that can be found within Subchapter **AB Pain Management**.

The activity mapped to this subchapter is separate from the open spinal and orthopaedic procedures mapped to Chapter **H Musculoskeletal System**, and from the other non-vascular imaging interventions found in the other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated based on the type of musculoskeletal imaging intervention performed. There are HRGs for ablation procedures, vertebroplasty, joint aspiration and various musculoskeletal biopsies.

- The vertebroplasty HRGs (**YH0***) are differentiated based on 3 levels of complexity and are generated using combination codes that reflect the type of vertebroplasty and levels of spine operated on. These combination codes include the vertebroplasty OPCS-4 code, with the subsidiary level of spine OPCS-4 codes.

Age splits are employed in the joint aspiration and the biopsy of bone and muscle / connective tissue HRGs. There are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under).

With the exception of the vertebroplasty and bone ablation HRGs, the HRGs within this subchapter employ maximum length of stay logic to ensure that relatively minor procedures such as biopsies are not used to determine the HRG for a long stay medical patient, e.g. a person who has metastatic bone cancer.

As the majority of musculoskeletal imaging intervention activity is short stay, there are no complication and comorbidity splits within this subchapter.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	11	11
Total HRG Roots	8	8
Procedure-driven HRGs	11	11
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	No	No
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	No	No
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YJ – Breast Imaging Interventions

Subchapter **YJ Breast Imaging Interventions** covers breast imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open breast procedures mapped to Subchapter **JA Breast Procedures and Disorders** and from the other non-vascular imaging interventions found in the other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs in this subchapter are separated by the type of breast imaging intervention performed and include HRGs specific to various types of biopsies and aspirations.

- The core needle biopsy HRGs (**YJ13Z-YJ14Z**) are differentiated by approach type – ultrasound guided or stereotactic – using subsidiary OPCS-4 codes.
- HRG **YJ03Z Biopsy of Lesion of Breast and Associated Lymph Nodes** is reached when procedures indicating a biopsy or aspiration of breast and a biopsy or aspiration of axillary lymph node are recorded.

All the procedures that map to relabelled HRG **YJ12Z Insertion of Marker, into Breast or Axillary Lymph Node** are combination codes that use subsidiary OPCS-4 codes indicating the insertion of marker.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric breast imaging intervention activity.

All HRGs within this subchapter have maximum length of stay logic to ensure that relatively minor procedures such as biopsies are not used to determine the HRG for a long stay medical patient, e.g. a person who has metastatic breast cancer.

As the majority of breast imaging intervention activity is short stay, there are no complication and comorbidity splits within this subchapter.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	9	9
Procedure-driven HRGs	9	9
Diagnosis-driven HRGs	0	0
Age Splits	No	No
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YL – Urological Imaging Interventions

Subchapter **YL Urological Imaging Interventions** covers urological interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open urological procedures mapped to Subchapter **LB Urological and Male Reproductive System Procedures and Disorders** and from the other non-vascular imaging interventions found in the other subchapters within Chapter **Y Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs within this subchapter are separated based on the type of urological imaging intervention performed. There are HRGs for ablation procedures, biopsies, insertion of stent and nephrostomy and other procedures.

- Cryoablation and irreversible electroporation procedures map to HRG **YL01Z Complex Percutaneous Ablation of Lesion of Kidney**, while radiofrequency, microwave or other ablation procedures map to HRG **YL02Z Standard Percutaneous Ablation of Lesion of Kidney**.

YL10Z Bilateral or Multiple, Percutaneous Insertion of, Ureteric Stent or Nephrostomy is reached via escalation logic when a dominant procedure of percutaneous insertion of ureteric stent or nephrostomy is recorded with either an additional procedure indicating a percutaneous insertion of ureteric stent or nephrostomy, or a subsidiary OPCS-4 code indicating a bilateral operation.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. In this subchapter they are used to identify kidney and prostate ablation, and insertion and renewal of stents.

HRG root **YL20 Percutaneous Needle Biopsy of Lesion of Kidney** includes an age split to separate paediatric activity (18 years and under) from adult activity (19 years and over).

With the exception of the ablation HRGs, all HRGs within this subchapter employ maximum length of stay logic to ensure that relatively minor procedures such as insertion of nephrostomy are not used to determine the HRG for a long stay medical patient, e.g. a person who has chronic kidney disease.

As the majority of urological imaging intervention activity is short stay, there are no complication and comorbidity splits within this subchapter.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	9	9
Total HRG Roots	8	8
Procedure-driven HRGs	9	9
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	No	No
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	No	No
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Subchapter YQ – Vascular Open Procedures and Disorders

Subchapter **YQ Vascular Open Procedures and Disorders** covers vascular open procedures for patients of all ages and adult disorders. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the interventions that map to Subchapter **YR Vascular Imaging Interventions**.

The procedure-driven HRGs within this subchapter are differentiated based on the site of the blood vessel and are separated into the following surgical areas:

YQ0* Abdominal aorta procedures

YQ1* Lower limb blood vessel procedures, including varicose vein surgery

YQ2* Vascular amputation procedures

YQ3* Upper limb blood vessel procedures

YQ4* Other vascular procedures

Some groups of related HRGs are separated based on the expected complexity of the procedures, splitting activity between either standard and complex HRGs or single and multiple procedure HRGs.

Multiple Procedure Recognition

Multiple-procedure escalation logic is employed by the majority of HRGs in this subchapter to escalate activity to an HRG with a higher expected resource usage. This escalation occurs where significant additional procedures on specific lists are recorded alongside the dominant procedure.

The multiple-procedure escalation logic escalates activity from single to multiple procedure HRGs where an additional major vascular procedure is recorded from list **YQ_Mult**. This list contains vascular procedures, vascular imaging interventions and certain cardiac procedure.

In addition, for amputations and procedures on the limbs, escalation from single to multiple procedure HRGs also occurs where a subsidiary OPCS-4 code indicating a bilateral operation is recorded.

For the (**YQ2***) amputation HRGs, escalation to the “with Other Open Blood Vessel Procedure” HRGs occurs when the dominant procedure is an amputation procedure and an additional major vascular procedure is recorded from list **YQ_Mult**, or when the dominant procedure is a major vascular procedure and an additional amputation procedure from list **YQ_Amp** is recorded.

	LP25/26	LP24/25
Total HRGs	64	64
Total HRG Roots	29	29
Procedure-driven HRGs	53	53
Diagnosis-driven HRGs	11	11
Age Splits	No	No
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

Some limb and amputation procedure HRGs are also separated into “with Imaging Interventions” HRGs. These are reached when an additional vascular imaging intervention procedure from list **YQ_Vasc_IR** is recorded alongside the dominant procedure.

The (**YQ2***) amputation HRGs can be generated when certain amputation or disarticulation of bone procedures are performed on a patient with a primary diagnosis of vascular disorder, else the activity would map to an HRG in Subchapter **DZ Respiratory System Procedures and Disorders** or **HN Orthopaedic Non-Trauma Procedures**.

For the (**YQ06Z-YQ09***) surgical repair of aortic aneurysm HRGs, escalation from standard to complex HRGs occurs when either:

- an additional procedure indicating bypass of iliac or femoral artery, or replantation of renal or visceral artery is recorded, or
- a subsidiary OPCS-4 code indicating revisional operation is recorded, or
- a diagnosis code of cardiovascular infection is recorded in any position, or
- (for certain procedures) a diagnosis code of aortic dissection is recorded in any position.

YQ06Z Open Repair of Thoracoabdominal Aortic Aneurysm can be reached with a dominant procedure of repair of suprarenal aortic aneurysm alongside an additional repair of thoracic aorta procedure, or with a dominant procedure of repair of thoracic aorta (which would otherwise map to an HRG within Subchapter **ED Open Cardiac Procedures for Acquired Conditions**) alongside an additional repair of abdominal aorta procedure.

The (**YQ14Z-YQ16Z**) open treatment of varicose vein HRGs are separated into unilateral and bilateral HRGs. The latter will be generated if either the identical procedure is performed on both legs, i.e. stripping of varicose veins with a subsidiary OPCS-4 code indicating bilateral operation, or a different varicose vein procedure is performed on each leg, i.e. stripping of varicose veins with a subsidiary OPCS-4 code indicating left-sided operation and ligation of varicose veins with a subsidiary OPCS-4 code indicating right-sided operation.

YQ15Z Open Treatment of Recurrent Unilateral Varicose Veins can be reached either directly with OPCS-4 codes specific to the treatment of recurrent varicose veins or with a varicose vein procedure recorded with a subsidiary OPCS-4 code indicating a revisional operation.

Some activity with a dominant procedure mapped to an HRG in this subchapter will group to an HRG in another subchapter in certain scenarios.

- For example, when an intervention on an arteriovenous shunt or fistula is performed under image control, activity maps to an HRG in **Subchapter YR Vascular Imaging Interventions**; when an aortic or vena cava procedure is performed on a child or to treat an adult with congenital heart disease, activity maps to an HRG in **Subchapter EC Open and Interventional Procedures for Congenital Heart Disease**.

Procedure combination codes are used where no viable alternative is available, such that multiple OPCS-4 codes are required to identify a single procedure. As many vascular OPCS-4 codes are not blood vessel specific, combination codes are used specific to operations on certain blood vessels to appropriately map them to site-specific procedure HRGs within this subchapter, e.g. **L682+CAROTID Endarterectomy of carotid artery** and **L701+LOWLIMB Open embolectomy of artery of lower limb**. These use combination lists such as **CL_LowLimb**, which includes OPCS-4 site codes relating to the blood vessels of the lower limbs.

The minor procedure HRGs in this subchapter, e.g. varicose vein surgery and vascular access procedures, have maximum length of stay logic to ensure that minor procedures such as arteriovenous (AV) fistula insertion are not used to determine the HRG for a long stay medical patient, e.g. a person who has chronic kidney disease.

There are no paediatric-specific HRGs within this subchapter due to a low volume of paediatric vascular surgery activity.

All diagnosis-driven activity relating to the treatment of children (aged 18 years and under) groups to an HRG in Chapter **P Diseases of Childhood and Neonates**, in line with the requirements of the Casemix Design Framework. There are 2 adult diagnosis-driven HRG roots within this subchapter: 1 specific to deep vein thrombosis (DVT); and another that covers all other peripheral vascular disease.

Interactive CC splits are employed within the majority of procedure-driven and diagnosis-driven HRGs within this subchapter – up to a maximum of 6 levels – to more appropriately differentiate expected resource usage between routine and complex patients. These use list **YAYQYR_CC**.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

Subchapter YR – Vascular Imaging Interventions

Subchapter YR **Vascular Imaging Interventions** covers vascular imaging interventions for patients of all ages. It includes activity undertaken in inpatient, day case and non-admitted care settings.

This activity is separate from the open vascular procedures and non-vascular imaging interventions found in the other subchapters within Chapter Y **Vascular Procedures and Disorders and Imaging Interventions**.

The HRGs within this subchapter are procedure-specific and are separated into the following types of interventions:

YR1* Percutaneous angioplasty and insertion of stent / shunt procedures

YR2* Diagnostic and other vascular imaging interventions

YR3* Percutaneous varicose vein procedures

YR4* Vascular access procedures

YR5* Percutaneous embolisation procedures

YR6* Endovascular aortic repair (EVAR) procedures

The (**YR1***) angioplasty of peripheral blood vessel HRGs are differentiated by with/without insertion of stents as classified by the OPCS-4 codes, and also by the type of stent or stent graft inserted and whether multiple stents are inserted. Subsidiary OPCS-4 codes are used to differentiate both the type and number of stents. In addition, the multiple stent HRGs can be reached where an additional insertion of stent procedure is recorded, where there is a subsidiary OPCS-4 code indicating a bilateral operation, or for angioplasty of blood vessels of the liver, or where subsidiary OPCS-4 codes indicate angioplasty of at least 2 different blood vessels.

The (**YR3***) percutaneous varicose vein procedure HRGs are differentiated by type – laser or radiofrequency ablation, or sclerotherapy – and into unilateral and bilateral HRGs. The latter will be generated if either the identical procedure is performed on both legs, i.e. sclerotherapy of varicose veins with a subsidiary OPCS-4 code indicating a bilateral operation, or a different varicose vein procedure is performed on each leg, i.e. injection of glue into varicose veins with a subsidiary OPCS-4 code indicating a left-sided operation, and foam sclerotherapy of varicose veins with a subsidiary OPCS-4 code indicating a right-sided operation.

The (**YR5***) embolisation of peripheral blood vessel HRGs are differentiated by the disorder treated, with HRGs specific to the treatment of aneurysms, arteriovenous malformations and other disorders.

The embolisation of aneurysm of peripheral blood vessel HRGs can be reached directly where certain OPCS-4 codes recorded are specific to the treatment of aneurysms, or where

Composition and Concepts		
	LP25/26	LP24/25
Total HRGs	75	75
Total HRG Roots	43	43
Procedure-driven HRGs	75	75
Diagnosis-driven HRGs	0	0
Age Splits	Yes	Yes
Complications and Comorbidities Splits	Yes	Yes
Intervention Splits	No	No
Multiple Procedures	Yes	Yes
Procedure Combination Codes	Yes	Yes
Diagnosis-qualified	Yes	Yes
Subsidiary Procedure-qualified	Yes	Yes
Length of Stay-qualified	Yes	Yes

an embolisation procedure code is recorded with a primary diagnosis of aneurysm. They are differentiated based on the size of aneurysms treated (small or medium, large, and giant) and/or by the number of aneurysms treated (single, 2, or 3 or more aneurysms), as defined per the OPCS-4 classification. In addition, there is escalation logic to map to the appropriate HRG where procedure codes indicating multiple aneurysms of different peripheral blood vessels are operated on.

To reflect the complex nature of the procedures, flow diverting stent assisted coil embolisation and stent assisted liquid polymer embolisation of aneurysm procedures map directly to HRG **YR50Z Percutaneous Transluminal Embolisation of, Single Giant or 3 or more Other, Peripheral Aneurysms**, irrespective of the size or number of aneurysms treated.

The embolisation of peripheral arteriovenous malformation (AVM) HRGs can be reached either directly where OPCS-4 codes specific to the treatment of AVM are recorded or where an embolisation procedure code and a primary diagnosis of AVM is recorded.

There are also HRGs specific to varicocele embolisation, uterine artery embolisation and prostate artery embolisation, with the latter 2 HRGs being reached via combination codes that include the relevant subsidiary OPCS-4 site codes.

The (**YR6***) EVAR HRGs are differentiated based on the site of the aortic aneurysm (abdominal, thoracic, thoracoabdominal) and by the type of stent graft inserted, as identified using combination codes. These use subsidiary OPCS-4 codes identifying stent graft type, and in some cases, aortic site codes. This enables direct mapping of these combination codes to the appropriate procedure-specific EVAR HRGs.

The EVAR HRGs are also separated based on the expected complexity of the procedures, splitting activity into Standard and Complex HRGs. Some procedures, such as those explicitly for aortic dissection, map directly to the Complex HRGs to reflect the inherent clinical complexity of such procedures. However, escalation from the Standard to Complex HRGs can also occur where an additional bypass, embolisation or stent procedure is recorded.

Some activity with a dominant procedure mapped to an HRG in another subchapter maps to an HRG in this subchapter in certain scenarios.

- For example, where an intervention on an arteriovenous shunt or fistula is performed under image control, activity maps to an HRG in this subchapter (from Subchapter **YQ Vascular Open Procedures and Disorders**).

Age splits are employed in several of the vascular access HRGs: there are specific HRGs for adult activity (19 years and over) and others for paediatric activity (18 years and under). There are also HRGs specific to the treatment of young children (0 to 5 years of age) and those for the treatment of older children (6 to 18 years).

The minor procedure HRGs, e.g. varicose vein interventions, vascular access procedures and diagnostic imaging interventions, have maximum length of stay logic to ensure that minor procedures such as CV catheter insertion are not used to determine the HRG for a long stay medical patient, e.g. a person who is receiving treatment for cancer.

Interactive CC splits are employed within several of the therapeutic vascular imaging intervention HRG roots – up to a maximum of 4 levels – to more appropriately differentiate expected resource usage between routine and complex patients. These use list **YAYQYR_CC**.

Differences from the HRG4+ 2024/25 Local Payment Grouper

No changes directly impacting this subchapter have been made in the HRG4+ 2025/26 Local Payment Grouper when compared to the HRG4+ 2024/25 Local Payment Grouper.

The Documentation Suite

Below is a list of the various documents which are available to download from the National Casemix Office website: <https://digital.nhs.uk/services/national-casemix-office/downloads-groupers-and-tools>

This documentation suite provides a comprehensive resource intended to help users understand HRG design concepts and logic, as well as use the Grouper.

- The **Summary of Changes** document provides an overview of the main differences between the current Grouper design and its relevant predecessor
- The **Grouper User Manual** provides instructions on how to prepare and group data using the Grouper software application. Sample data with expected results is provided. This document is updated with each Grouper release
- The **Chapter Summaries** document provides an overview of the scope, composition, and relevant grouping logic of individual HRG subchapters, and it highlights significant changes made in the latest HRG design
- The **Code to Group Workbook** is an Excel workbook that embodies the Casemix design. It provides details of the constituent elements that contribute to HRG grouping, and it contains reference data such as the ICD-10 and OPCS-4 codes utilised in the design, the procedure and diagnosis hierarchies pertinent to a specific design, and the Complication and Comorbidities (CC) lists for HRG subchapters. The workbook also includes information on Programme Budgeting Category (PBC) mapping as well as a comprehensive list of HRG codes and labels

Additional documentation can be found on [The why, what and how of Casemix](#) on our website, which provides further background information relating to the work of the National Casemix Office. This section now contains **The Casemix Companion**, which is a starting point and general reference guide for anyone interested in learning about the Casemix classification system used by the NHS in England. This document provides an introduction to HRGs, Groupers, HRG4+ design concepts and grouping logic, and contains links to additional resources.