

Summary of Changes

**HRG4+ 2020/21 National Costs Grouper
from:**

HRG4+ 2018/19 Reference Costs Grouper

NC 20/21

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Purpose

The purpose of this summary is to provide an overview of the main changes implemented between the last published Reference Costs Grouper – the HRG4+ 2018/19 Reference Costs Grouper – and the HRG4+ 2020/21 National Costs Grouper. In conjunction with NHS England and NHS Improvement, the National Casemix Office agreed that the HRG4+ 2018/19 Reference Costs Grouper would also be used for costing in the 2019/20 financial year. Therefore, the National Casemix Office did not create or publish a dedicated costing grouper for the 2019/20 collection..

Changes are broken down by:

- **Grouper Input Changes**
- **Grouper Output Changes**
- **Grouper Software Changes**
- **Grouper Algorithm Changes**
- **HRG Design Changes**

This document also includes a high-level description of design changes by subchapter as well as HRG distribution by subchapter, in Table 1.

This document is intended as a high-level summary to be used to form the basis of further analysis and investigation rather than as a comprehensive description of all differences between grouper releases. Further HRG4+ supporting documentation is available from the National Casemix Office website: <https://digital.nhs.uk/services/national-casemix-office/downloads-groupers-and-tools>.

Changes to the HRG4+ Grouper

The following changes have been implemented between the HRG4+ 2018/19 Reference Costs Grouper and the HRG4+ 2020/21 National Costs Grouper. Note that the National Casemix Office did not create or publish a dedicated costing grouper for 2019/20.

Grouper Input Changes

There were no changes to the inputs of the Grouper between the HRG4+ 2018/19 Reference Costs Grouper and the HRG4+ 2020/21 National Costs Grouper.

Grouper Output Changes

In agreement with the NHS England and Improvement Costing team, and as a direct result of the move from aggregated Reference Costs to Patient Level Costing submissions, the Grouper outputs will no longer produce the Grouper reports. In addition, the trimpoints for all Core HRGs have been set to 32,000, meaning that excess bed days will be zero for Core HRGs, irrespective of the patient's length of stay. The trimpoints for Unbundled HRGs and the WF* Non-Admitted Attendance HRGs remain pre-set to zero.

Grouper Software Changes

The following changes to the Grouper software have been implemented between the HRG4+ 2018/19 Reference Costs Grouper and the HRG4+ 2020/21 National Costs Grouper.

Single Spell

A fix has been applied to the field "SpellErrors" in the Spell output window of the APC Single Spell database. When the APC database is selected, the Single Spell window is populated with a set of input and output fields. In the Spell output window, one of the field names is labelled "SpellErrors". Previously, once data was processed, the name of this field would change to "Errors". This has now been addressed so that when data is processed, the field name remains "SpellErrors".

In the HRG4+ 2018/19 Reference Costs Grouper, the number of episodes that could be opened in a single spell for both the Paediatric and Neonatal Critical Care datasets was 87. In the HRG4+ 2021/22 Local Payment Grouper, 99 episodes can be opened in a single spell. This change has been implemented to enable the demonstration of the 90-day ventilation logic in the Paediatric Critical Care design, whereby a different HRG is derived when there are more than 90 days of consecutive ventilation support.

In addition, a cosmetic correction has been made to the input field DIAG_01 in the Paediatric Critical Care Minimum Data Set within Single Spell. This field is no longer in bold (mandatory) to indicate it is optional for a value to be entered.

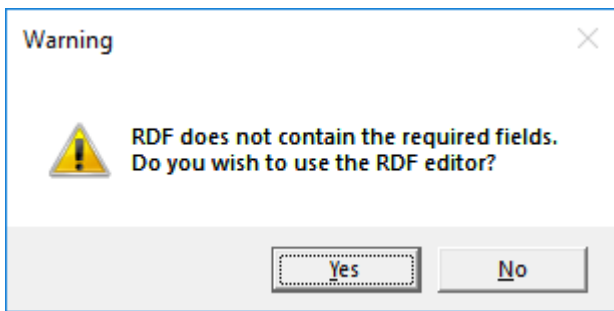
RDF

The text within the warning message box that appears when the "Clear" button has been selected has been changed. Previously the text stated, "Clear all field positions?", but this has now been changed to "Clear all input fields?" to indicate changes will be lost to all columns within the RDF window, not just the Position column.

Warning Message

When creating an RDF for APC, the RDF must always contain the field DIAG_01 as this is mandatory for Grouping. If an RDF is manually edited/created outside of the RDF Editor and

a mandatory field is not included and then loaded into either Batch or Single Spell, then the following warning message is generated:



If an RDF is manually edited/created and the field DIAG_01 is missing but other DIAG fields are present and this is loaded into Batch or Single Spell, then the warning message is not generated.

The Grouper now checks for the array of diagnosis fields, so the RDF must always include DIAG_01, otherwise the warning message will be generated.

Grouper Algorithm Changes

There were no changes to the Grouper algorithm between the HRG4+ 2018/19 Reference Costs Grouper and the HRG4+ 2020/21 National Costs Grouper.

HRG Design Changes

Update of base design

The design base for the HRG4+ 2020/21 National Costs Grouper is the HRG4+ 2018/19 Reference Costs design. However, the HRG4+ 2020/21 National Costs Grouper has been updated to include the 4.9 update to the OPCS Classification of Interventions and Procedures Version 4, which came into effect 1 April 2020, and to reflect changes to the International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10) relating to COVID-19.

New HRG Subchapter

In response to the COVID-19 pandemic and following changes in national clinical coding guidance published by the Clinical Classifications Service – issued in line with World Health Organisation (WHO) requirements – a new HRG subchapter, **DX COVID-19 Infection**, has been created. The subchapter includes 6 new HRGs for patients of all ages where a primary diagnosis of either test-positive or clinically determined COVID-19, and no significant procedure(s), has been recorded. Please see the section **Changes Related to COVID-19** for more information on this change.

Change to the number of HRGs

The total number of HRGs has increased by a nett of 6 from 2,892 in the HRG4+ 2018/19 Reference Costs Grouper to 2,898 in the HRG4+ 2020/21 National Costs Grouper. This increase reflects the new HRGs for COVID-19 Infections.

Changes to HRG labels

In order to better reflect their content, in particular in relation to changes associated with the accommodation of OPCS-4.9 several HRG labels have been amended. These changes are cosmetic and will not affect HRG grouping.

Cross-Chapter Design Changes

Accommodation of OPCS-4.9

The HRG design has been updated to accommodate the latest version of the OPCS Classification of Interventions and Procedures (OPCS-4), OPCS-4.9, which came into effect 1 April 2020.

Five OPCS-4.8 codes have been retired as part of the OPCS-4.9 update, and 223 new codes have been authored. Each new OPCS-4.9 code has been included in the HRG design based on clinical input from our National Casemix Office Expert Working Groups (EWGs), and following due consideration of the CCS's OPCS-4.9 Table of Coding Equivalences (TOCE). The TOCE is a coding guide to the most likely OPCS-4.8 code(s) that would historically have been used to classify the activity now represented by each new OPCS-4.9 code.

In addition to amending the OPCS-4 code set, the Clinical Classifications Service has made changes to index trails, usage notes and the OPCS-4 National Clinical Coding Standards, and it has issued updated clinical coding guidance affecting both the new OPCS-4.9 codes and pre-existing codes. Where these changes impact on the HRG design, the design has been amended to ensure it complies with the latest clinical coding standards and guidance.

Further details relating to the OPCS-4.9 accommodation can be found in the Chapter Summaries document that accompanies this Grouper release.

Deletion of paired code combination codes

After clarifying OPCS-4 clinical coding guidance relating to the sequencing of codes, it was determined that the paired code combination codes within the HRG design were no longer required. Consequently, 766 paired code combination codes, 133 related combination lists and 133 related documentation flags have been deleted from the HRG design. Paired code combination codes are constructed using 2 codes from the OPCS-4 body system chapters (Chapters A–T and V–W), as opposed to other combination codes, which are constructed using a code from a body system chapter followed by 1 or more subsidiary codes from OPCS-4 Chapters Y Subsidiary Classification of Methods of Operation and/or Z Subsidiary Classification of Sites of Operation. Escalation lists and logic have been amended to ensure that the procedures previously classified by the now deleted codes continue to contribute to HRG escalation, where appropriate.

Update of combination code descriptions

The code descriptions of nearly 100 combination codes have been amended to ensure each code's description accurately reflects the description of the individual OPCS-4 codes that make up that combination code. These changes are cosmetic and will not affect HRG grouping.

Updates to NICE Guidance

Over 200 National Institute for Health and Clinical Excellence (NICE) Interventional Procedures Guidances (IPGs) were updated to reflect changes to the OPCS-4 classification made as part of the 4.9 update. These IPGs were reviewed to assess whether it was necessary to amend the HRG design to take into account changes in clinical coding. Where clinically appropriate, the design has been amended to accommodate clinical coding guidance as per national coding rules and as issued by NICE. Where an HRG subchapter has been amended to accommodate updated NICE guidance, this is noted in the changes section of the relevant subchapter summary.

Accommodation of ICD-10 emergency use codes

The HRG design has been updated to accommodate the use of International Classification of Diseases, 10th Revision (ICD-10) emergency use codes.

The code description of each of the following emergency use codes has been updated in the HRG4+ 2020/21 National Costs Grouper to comply with changes in clinical coding guidance issued by the CCS and in line with WHO requirements. The new code descriptions for these ICD-10 codes are as follows:

U06.9 Zika virus disease, unspecified

U07.0 Vaping-related disorder

U07.1 COVID-19, virus identified

U07.2 COVID-19, virus not identified

U07.3 Personal history of COVID-19

U07.4 Post COVID-19 condition

U07.5 Multisystem inflammatory syndrome associated with COVID-19

U07.6 Need for immunization against COVID-19

U07.7 COVID-19 vaccines causing adverse effects in therapeutic use

Following the changes in national coding guidance affecting these 9 codes, the mapping of each of these codes has been clinically re-evaluated to ensure they remain appropriately accommodated within the HRG design.

Changes Related to COVID-19

The updated national coding guidance for the ICD-10 codes classifying COVID-19 infection and related codes can be found here:

https://hscic.kahootz.com/connect.ti/t_c_home/view?objectId=19099248#19099248

U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified

These codes have been remapped to 1 of 6 HRGs within new Subchapter **DX COVID-19 Infection**:

- **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**

When recorded as a primary diagnosis, these codes map to a base (default) HRG root of **DX21 COVID-19 Infection**.

HRG root **DX11 COVID-19 Infection, with Pneumonia** is reached when a secondary diagnosis of **J12.8 Other viral pneumonia** (and no secondary diagnoses from the Major Manifestations list) is recorded alongside a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified**.

HRG root **DX01 COVID-19 Infection, with Major Manifestations** is reached when a secondary diagnosis from list **DX_Major** (major manifestations of COVID-19) is recorded alongside a primary diagnosis of either **U07.1 COVID-19, virus identified** or **U07.2 COVID-19, virus not identified**. The **DX_Major** List contains 125 diagnosis codes covering major manifestations of a COVID-19 infection such as sepsis, organ failure, blood clots, pulmonary collapse and multisystem inflammatory syndrome (see Appendix A for the complete list).

U07.1 COVID-19, virus identified and **U07.2 COVID-19, virus not identified** have been added to subchapter-specific complications and comorbidities (CC) lists wherever ICD-10 code **J22.X Unspecified acute lower respiratory infection** was already on the list. These codes have been remapped to base PBC **PBC0211X Problems of the Respiratory System**.

U07.3 Personal history of COVID-19

This code has been remapped from HRG root **WH15 Special Screening, Examinations or Other Genetic Disorders** (adult patients) and HRG root **PX57 Paediatric, Examination, Follow-up, Special Screening or Other Admissions** (child patients) to HRG **UZ01Z Data Invalid for Grouping** as, according to national clinical coding standards, this code is not permitted to be used as a primary diagnosis, as per most similar code **Z86.1 Personal history of infectious and parasitic diseases**.

When recorded as a primary diagnosis it will generate error code **UZ01 Invalid Primary Diagnosis: 1. Primary Diagnosis doesn't exist or 2. Primary Diagnosis Blank or 3. Diagnosis can't be used at primary position**.

This code has not been added to any complications and comorbidity lists as per clinical advice.

This code has been remapped to base PBC **PBC0201X Infectious Diseases**.

U07.4 Post COVID-19 condition

This code has not been remapped and retains mapping to HRG root **WH15 Special Screening, Examinations or Other Genetic Disorders** for adult patients and HRG root **PX57 Paediatric, Examination, Follow-up, Special Screening or Other Admissions** for child patients, on clinical advice.

This code has not been added to any complications and comorbidity lists as per clinical advice.

This code remains mapped to base PBC **PBC0223X Other**.

U07.5 Multisystem inflammatory syndrome associated with COVID-19

This code has been remapped from HRG root **WH15 Special Screening, Examinations or Other Genetic Disorders** to HRG root **WJ06 Sepsis** for adult patients, and from HRG root **PX57 Paediatric, Examination, Follow-up, Special Screening or Other Admissions** to HRG roots **PW16 Paediatric Major Infections** for child patients and **PM45 Paediatric Febrile Neutropenia with Malignancy** for child patients with an additional diagnosis of cancer and agranulocytosis recorded. This matches the mapping of the ICD-10 code in use for this disorder before the introduction of this emergency use code, **R65.0 Systemic Inflammatory Response Syndrome of infectious origin without organ failure**.

As per **R65.0 Systemic Inflammatory Response Syndrome of infectious origin without organ failure**, this code has been added to the paediatric, burns and adult infectious diseases CC lists and the **DX_Major**, major manifestations of COVID-19 list.

This code has been remapped to base PBC **PBC0201X Infectious Diseases**.

U07.6 Need for immunization against COVID-19

This code has been remapped from HRG root **WH15 Special Screening, Examinations or Other Genetic Disorders** to **WH19 Potential Health Hazard Related to Communicable Disease** for adult patients and retains its mapping to HRG root **PX57 Paediatric, Examination, Follow-up, Special Screening or Other Admissions** for children. This matches the mapping of the ICD-10 code in use for this disorder before the introduction of

this emergency use code, **Z25.8 Need for immunization against other specified single viral diseases**.

This code has not been added to any complications and comorbidity lists as per clinical advice.

This code has been remapped to base PBC category **PBC0221X Healthy Individuals**.

U07.7 COVID-19 vaccines causing adverse effects in therapeutic use

This code has been remapped from HRG root **WH15 Special Screening, Examinations or Other Genetic Disorders** for adult patients and from **PX57 Paediatric, Examination, Follow-up, Special Screening or Other Admissions** for child patients to HRG **UZ01Z Data Invalid for Grouping** as, according to national clinical coding standards, this code is not permitted to be used as a primary diagnosis, as per most similar code **Y59.0 Viral vaccines**. When recorded as a primary diagnosis, it will generate error code **UZ01 Invalid Primary Diagnosis: 1. Primary Diagnosis doesn't exist or 2. Primary Diagnosis Blank or 3. Diagnosis can't be used at primary position**.

This code has not been added to any complications and comorbidity lists as per clinical advice.

This code has been remapped to base PBC category **PBC02U2 Unclassified**.

Updates to Logic and Lists

Updates to procedure hierarchy values

The Grouper uses Procedure Hierarchy (PH) values to determine the highest resource procedure in a patient record during grouping. Due to the remapping of various clinical codes, the PH value of some OPCS-4 codes has been amended. Changes to a PH value are noted in the changes section of the relevant subchapter summary.

Updates to multiple-procedure escalation list membership

A global review of the membership of lists used in multiple-procedure escalation logic has been undertaken to ensure consistency across the HRG design and to remove redundant OPCS-4 codes and combination codes from lists. The list value of some OPCS-4 codes have been also updated on specified lists to ensure the expected resource usage associated with these codes is accurately reflected in the HRG design. Where an OPCS-4 code has been added or removed from a list, or where a list member's list value has been updated, this is noted in the subchapter summary for the subchapter utilising the updated list.

Updates to list names and list descriptions

The list name and/or list description of various lists used in HRG grouping logic have been amended for accuracy and/or to ensure consistency across the HRG design. These changes are cosmetic and will not affect HRG grouping.

Updates to documentation flag IDs and documentation flag descriptions

The documentation flag ID and/or documentation flag description of various documentation flags used in HRG grouping logic have been amended for accuracy and/or to ensure consistency across the HRG design. These changes are cosmetic and will not affect HRG grouping.

Full details of subchapter-specific changes can be found in the Chapter Summaries document that accompanies the HRG4+ 2021/21 National Costs Grouper release.

Table 1: HRG Distribution by Subchapter

The following table includes a high-level description of design changes implemented in the HRG4+ 2020/21 National Costs Grouper by subchapter as well as HRG distribution by subchapter in the HRG4+ 2020/21 National Costs Grouper compared to the HRG4+ 2018/19 Reference Costs Grouper. For further details of all changes to HRG subchapters, please see the supporting documentation for the HRG4+ 2020/21 National Costs Grouper, including the Code to Group Excel workbook and the Chapter Summaries document, available on the National Casemix Office website at <https://digital.nhs.uk/services/national-casemix-office/downloads-groupers-and-tools>.

Changes made to the design of 1 HRG subchapter may have a significant impact on HRG grouping within other subchapters. This is especially true where changes have been made to procedure hierarchy values. Likewise, global design changes may impact HRG grouping within a subchapter even where no changes have been made to the subchapter itself.

Subchapter	NC20/21	RC18/19	Comment
AA Nervous System Procedures and Disorders	101	101	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 1 new combination code created to capture EMG-guided intramuscular injections: X378+Y451 <i>Intramuscular injection under electromyography control</i> 3 new combination codes created to replace 3 redundant now-deleted combination codes to escalate neurosurgery activity / better reflect expected resource 2 paired combination codes deleted A20.3 <i>Monitoring of pressure in ventricle of brain</i> remapped within this subchapter to better reflect resource use of intracranial pressure monitoring <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u></p> <p>U07.1 <i>COVID-19, virus identified</i> and U07.2 <i>COVID-19, virus not identified</i> added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
AB Pain Management	16	16	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 22 new combination codes created using new CL_IMAGE to replace 22 combination codes using previous CL_Y53 • Pain management logic added to 2 new OPCS-4.9 codes and 16 new [+site] combination codes created • Pain logic relating to mechanical devices removed from 2 existing OPCS-4 codes , A28.8 Other specified extracranial extirpation of other cranial nerve and A36.8 Other specified other operations on cranial nerve
BZ Eyes and Periorbita Procedures and Disorders	93	93	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 4 new OPCS-4.9 codes mapped to this subchapter (without escalation logic to ensure non-escalation for multiple ophthalmic tests), e.g. A82.2 Electro-oculography and A82.3 Multifocal electroretinography • 2 new combination codes created to replace 2 now-redundant, deleted combination codes and align with grouping requirements / NICE guidance • 1 now-redundant combination code deleted as replaced with new OPCS-4.9 code • 125 paired combination codes deleted • Logic / list membership amended for 3 existing OPCS-4 codes to ensure cataract / cataract plus MIGS surgery appropriately grouped <p><u>ICD-10 updates in this subchapter:</u></p> <p>U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
CA Ear, Nose, Mouth, Throat, <u>Head</u> and Neck Procedures	122	122	<p>No change to HRG number</p> <p>Chapter / subchapter descriptions and labels of CA01*-CA05* HRGs updated to specify inclusion of procedures on tissue of head</p> <p><u>OPCS-4.9 updates in this subchapter</u></p> <ul style="list-style-type: none"> • 7 new OPCS-4.9 codes mapped to this subchapter • 13 new combination codes created and mapped to this subchapter • 1 existing OPCS-4 code remapped within this subchapter, F39.1 Reconstruction of mouth using flap NEC • 10 existing OPCS-4 codes remapped from this subchapter to Subchapter YC • Image control logic removed from 14 existing OPCS-4 codes • 1 now-redundant combination code deleted • 1 paired combination code deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
CB Ear, Nose, Mouth, Throat, <u>Head</u> and Neck Disorders	12	12	<p>No change to HRG number</p> <p>Chapter / subchapter descriptions updated to specify inclusion of head:</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
CD Dental and Orthodontic Procedures	23	23	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 1 new OPCS-4.9 code mapped to this subchapter, F10.5 Extraction of retained root of tooth • 2 new combination codes created and mapped to this subchapter • New 'multiple teeth escalation logic' added to 19 existing OPCS-4 codes to escalate activity when new OPCS-4.9 site code O36.1 Multiple Teeth NEC recorded, reflecting additional expected resource use of performing procedures on multiple teeth

Subchapter	NC20/21	RC18/19	Comment
DX COVID-19 Infection	6	N/A	New subchapter created to reflect changes in national coding guidance relating to ICD-10 codes for COVID-19 infection 6 new (APC-only) HRGs for patients of all ages with primary diagnosis of either test positive or clinically determined COVID-19 and no significant procedure(s), differentiated by 'COVID-19 infection', 'COVID-pneumonia' and 'COVID-19 infection with major manifestations' (from new "Major Manifestation" list DX_Major)
DZ Thoracic Procedures and Disorders	176	176	No change to HRG number HRG DZ32Z Field Exercise Test or Measurement of Fractional Exhaled Nitric Oxide label updated <u>OPCS-4.9 updates in this subchapter</u> <ul style="list-style-type: none"> 6 new OPCS-4.9 codes mapped to this subchapter, e.g. E85.6 Continuous positive airway pressure 11 new combination codes created and mapped to this subchapter 1 existing OPCS-4 code remapped to this subchapter from being ignored for grouping, and 1 existing OPCS-4 code remapped from this subchapter to be ignored for grouping as result of new coding standard PCSX23 for high flow nasal oxygen (HFNO) 1 now-redundant combination code deleted 24 paired combination codes deleted <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list
EB Cardiac Disorders	48	48	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list

Subchapter	NC20/21	RC18/19	Comment
EC Open and Interventional Procedures for Congenital Heart Disease	21	21	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 6 new combination codes mapped to this subchapter where the patient is a child / has CHD, e.g. <i>K578+Y14+O432 Transluminal insertion of stent into coronary sinus</i> 50 paired combination codes deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>
ED Open Cardiac Procedures for Acquired Conditions	50	50	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 423 paired combination codes deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>
EY Interventional Cardiology for Acquired Conditions	73	73	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 6 new combination codes created and mapped to this subchapter 1 new combination code created and mapped to this subchapter, <i>K232+IMAGE Biopsy of lesion of heart wall under image control</i>, replacing 1, now-redundant, deleted combination code, 4 now-redundant combination codes deleted 12 paired combination codes deleted Updated PCI logic applied to 17 existing OPCS-4 codes and 1 new combination code ensuring appropriate escalation of PCI procedures <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
FD Digestive System Disorders	54	54	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
FE Digestive System Endoscopic Procedures	41	41	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 6 new OPCS-4.9 codes mapped to this subchapter, e.g. H71.1 Fibreoptic endoscopic balloon dilation of colonic pouch NEC 3 new combination codes created and mapped to this subchapter. 1 of these replaces a redundant existing combination code, now deleted 3 now-redundant combination codes deleted Image control logic applied to 14 existing OPCS-4 codes amended <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
FF Digestive System Open and Laparoscopic Procedures	115	115	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 10 new OPCS-4.9 codes mapped to this subchapter, e.g. G60.4 Attention to jejunostomy tube 8 new combination codes created and mapped to this subchapter. 2 of these replace now-redundant existing combination codes, deleted 7 existing OPCS-4 codes remapped to this subchapter; 2 within this subchapter, 3 from Subchapter LB and 1 from Subchapter YQ 1 existing OPCS-4 code remapped from this subchapter to Subchapter YF 40 paired combination codes deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
GA Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures	27	27	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 1 new OPCS-4.9 code mapped to this subchapter, <i>J07.4 Transection of liver</i> • 2 new combination codes created and mapped to this subchapter. 1 replaces a now-redundant existing combination code, deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>
GB Hepatobiliary and Pancreatic System Endoscopic and Percutaneous Procedures	14	14	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 3 new OPCS-4.9 codes mapped to this subchapter • 1 new combination code created and mapped to this subchapter, <i>J394+MET Endoscopic sphincteroplasty of ampulla of Vater and insertion of metal stent into bile duct</i> <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>
GC Hepatobiliary and Pancreatic System Disorders	24	24	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> <i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
HC Spinal Surgery and Disorders	74	74	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 5 new OPCS-4.9 codes mapped to this subchapter, e.g. A51.5 Repair of dura of spinal cord 9 new combination codes created and mapped to this subchapter. 3 of these each replaces a now-redundant combination code, deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
HD Musculoskeletal Disorders	35	35	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
HE Orthopaedic Disorders	84	84	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
HN Orthopaedic Non-Trauma Procedures	111	111	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 26 new OPCS-4.9 codes mapped to this subchapter, e.g. O37.1 Conversion to reverse polarity total prosthetic replacement of shoulder joint using cement. 1 of these replaces a now-redundant combination code, deleted 64 new combination codes created and mapped to this subchapter 12 of these each replaces a now-redundant combination code, deleted 63 paired combination codes deleted <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
HT Orthopaedic Trauma Procedures	87	87	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 20 new OPCS-4.9 codes mapped to this subchapter, e.g. T54.4 Needle fasciotomy of plantar fascia 40 new combination codes created and mapped to this subchapter. 6 of these each replaces a now-redundant combination code, deleted <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
JA Breast Procedures and Disorders	35	35	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 3 new OPCS-4.9 codes mapped to this subchapter, e.g. B29.7 Reconstruction of breast using dermoglandular flap 3 existing OPCS-4 codes remapped to this subchapter: 2 from Subchapter JC and 1 from Subchapter YJ 38 existing paired combination codes deleted Logic added to 1 existing OPCS-4 code to ensure appropriate grouping of therapeutic mammoplasty procedures <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
JB Burns Procedures and Disorders	38	38	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
JC Skin Surgery	11	11	<p>No change to HRG number</p> <p>HRG label JC40Z Very Major Skin Procedures updated</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 16 new OPCS-4.9 codes mapped to this subchapter 1 new combination code created and mapped to this subchapter, S288+Z226 Flap of mucosa to nasopharynx 2 existing OPCS-4 codes remapped from this subchapter to Subchapter JC Procedure Hierarchies of 22 existing OPCS-4 codes amended
JD Skin Disorders	10	10	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
KA Endocrine System Procedures and Disorders	18	18	<p>No change to HRG number or labels</p> <p>Subchapter description updated to clarify it also contains procedure-driven HRGs</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 3 existing OPCS-4 codes remapped from this subchapter to Subchapter YC, e.g. B16.2 Biopsy of lesion of parathyroid gland <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
KB Diabetic Medicine	12	12	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
KC Metabolic Disorders	9	9	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
LA Renal Procedures and Disorders	48	48	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list
LB Urological and Male Reproductive System Procedures and Disorders	149	149	No change to HRG number HRG label LB71Z Complex Pelvic Clearance Procedures updated to clarify content with new OPCS-4.9 code <u>OPCS-4.9 updates in this subchapter:</u> <ul style="list-style-type: none"> • 14 new OPCS-4.9 codes mapped to this subchapter, e.g. X14.4 Pelvic side wall clearance • 3 new combination codes created and mapped to this subchapter. 2 of these each replaces a now-redundant combination code, deleted • 18 existing OPCS-4 codes remapped within this subchapter • 3 existing OPCS-4 codes remapped to this subchapter from Subchapter FF • 4 retired OPCS-4 codes remapped from this subchapter to HRG UZ01Z Data Invalid for Grouping • 1 now-redundant combination code deleted • 12 paired combination codes deleted Membership of lists used in multiple-procedure escalation logic updated <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list
LD Renal Dialysis for Chronic Kidney Disease	26	26	No change to HRG number or labels
LE Renal Dialysis for Acute Kidney Injury	4	4	No change to HRG number or labels

Subchapter	NC20/21	RC18/19	Comment
MA Female Reproductive System Procedures	60	60	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 7 new OPCS-4.9 codes mapped to this subchapter, e.g. P31.7 Extirpation of lesion of pouch of Douglas 39 existing paired combination codes deleted <p>Membership of lists used in multiple-procedure escalation logic updated</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
MB Female Reproductive System Disorders	17	17	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
MC Assisted Reproduction Medicine	11	11	No change to HRG number or labels
NZ Obstetric Medicine	55	55	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter</p> <ul style="list-style-type: none"> 11 new OPCS-4.9 codes mapped to this subchapter, e.g. R38.3 Chorionicity scan
PB Neonatal Disorders	20	20	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list</p>
PC Paediatric Ear Nose and Throat Disorders	4	4	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
PD Paediatric Respiratory Disorders	24	24	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PE Paediatric Cardiology Disorders	12	12	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PF Paediatric Gastroenterology Disorders	17	17	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PG Paediatric Hepatobiliary Disorders	3	3	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PH Paediatric Rheumatology Disorders	4	4	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PJ Paediatric Dermatology Disorders	7	7	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PK Paediatric Diabetology, Endocrinology and Metabolic Disorders	11	11	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list

Subchapter	NC20/21	RC18/19	Comment
PL Paediatric Renal Disorders	10	10	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PM Paediatric Haematological-Oncology Disorders	14	14	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> <ul style="list-style-type: none"> U07.5 Multisystem inflammatory syndrome associated with COVID-19 remapped from PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs to PM45* Paediatric Febrile Neutropenia with Malignancy HRGs for child patients with additional diagnoses of cancer and agranulocytosis recorded U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PN Paediatric Non-Malignant Haematological Disorders	9	9	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PP Paediatric Ophthalmic Disorders	2	2	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PQ Paediatric Immune System Disorders	2	2	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PR Paediatric Nervous System Disorders	22	22	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list

Subchapter	NC20/21	RC18/19	Comment
PT Paediatric Mental Health Disorders	4	4	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PV Paediatric Trauma Medicine	7	7	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PW Paediatric Infectious Diseases	15	15	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> <ul style="list-style-type: none"> U07.5 Multisystem inflammatory syndrome associated with COVID-19 remapped from PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs to PW16* Paediatric Major Infections HRGs for child patients without additional diagnoses of cancer and agranulocytosis recorded U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list
PX Paediatric Medicine	46	46	No change to HRG number or labels <u>ICD-10 updates in this subchapter:</u> <ul style="list-style-type: none"> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified remapped from PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs for child patients to Subchapter DX COVID-19 Infections U07.3 Personal history of COVID-19 and U07.7 COVID-19 vaccines causing adverse effects in therapeutic use remapped from PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs for child patients to HRG UZ01Z Data Invalid for Grouping U07.5 Multisystem inflammatory syndrome associated with COVID-19 remapped from PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs for child patients to PM45* Paediatric Febrile Neutropenia with Malignancy HRGs with additional diagnoses of cancer and agranulocytosis recorded, else PW16* Paediatric Major Infections HRGs without additional diagnoses of cancer and agranulocytosis recorded U07.1 COVID-19, virus identified, U07.2 COVID-19, virus not identified and U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list

Subchapter	NC20/21	RC18/19	Comment
RD Diagnostic Imaging Procedures	49	49	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 1 new OPCS-4.9 code, <i>U35.5 Computed tomography angiography</i>, mapped to this subchapter <p>Logic amended so that both TFC 812 Diagnostic Imaging and TFC 371 Nuclear Medicine can be used to generate RD98Z Admission or Attendance for Diagnostic Imaging under General Anaesthetic</p>
RN Nuclear Medicine Procedures	69	69	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 1 new OPCS-4.9 code, <i>U25.5 Gastric emptying breath test</i>, mapped to this subchapter <p>Logic amended so that both TFC 812 Diagnostic Imaging and TFC 371 Nuclear Medicine can be used to generate RN97Z Same Day Diagnostic Imaging Admission</p>
SA Haematological Procedures and Disorders	104	104	<p>No change to HRG number or labels</p> <p><u>ICD-10 updates in this subchapter:</u></p> <p><i>U07.1 COVID-19, virus identified</i> and <i>U07.2 COVID-19, virus not identified</i> added to subchapter CC list</p>
SB Chemotherapy	18	18	No change to HRG number or labels
SC Radiotherapy	30	30	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 2 new OPCS-4.9 codes, <i>X69.1 Delivery of a fraction of hemi-body radiation</i> and <i>X69.2 Delivery of a fraction of total skin radiotherapy</i>, mapped to this subchapter
SD Specialist Palliative Care	10	10	No change to HRG number or labels

Subchapter	NC20/21	RC18/19	Comment
UZ Undefined Groups	1	1	<ul style="list-style-type: none"> No change to HRG number or labels <u>OPCS-4.9 updates in this subchapter:</u> 82 new OPCS-4.9 (largely 'approach' / 'site') codes mapped to HRG UZ01Z Data Invalid for Grouping 5 codes retired as part of OPCS-4.9 update remapped from other subchapters to HRG UZ01Z Data Invalid for Grouping; 4 from Subchapter LB and 1 from Subchapter YR <u>ICD-10 updates in this subchapter:</u> U07.3 Personal history of COVID-19 and U07.7 COVID-19 vaccines causing adverse effects in therapeutic use remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs (adult patients) and PX57* Paediatric, Examination, Follow-up, Special Screening or Other Admissions HRGs (child patients) to HRG UZ01Z Data Invalid for Grouping
VA Multiple Trauma	24	24	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 49 new OPCS-4.9 codes added to multiple trauma logic and lists, e.g. T30.5 Packing of abdominal cavity 71 new combination codes added to multiple trauma logic and lists 53 new combination codes added to multiple trauma logic and lists replacing 53 redundant combination codes subsequently deleted 16 existing now redundant combination codes deleted and removed from multiple trauma logic and lists
VB Emergency Medicine	12	12	No change to HRG number or labels
VC Rehabilitation	23	23	No change to HRG number or labels
WD Treatment of Mental Health Patients by Non-Mental Health Service Providers	9	9	No change to HRG number or labels
WF Non-admitted Consultations	8	8	No change to HRG number or labels

Subchapter	NC20/21	RC18/19	Comment
WH Poisoning, Toxic Effects, Special Examinations, Screening and Other Healthcare Contacts	68	68	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter:</p> <ul style="list-style-type: none"> • U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs for adult patients to Subchapter DX COVID-19 Infections • U07.3 Personal history of COVID-19 and U07.7 COVID-19 vaccines causing adverse effects in therapeutic use remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs for adult patients to HRG UZ01Z Data Invalid for Grouping • U07.5 Multisystem inflammatory syndrome associated with COVID-19 remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs for adult patients to WJ06* Sepsis HRGs • U07.6 Need for immunization against COVID-19 remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs for adult patients to WH19* Potential Health Hazard Related to Communicable Disease HRGs
WJ Infectious Diseases and Immune System Disorders	38	38	<p>No change to HRG number or labels</p> <p>ICD-10 updates in this subchapter:</p> <ul style="list-style-type: none"> • U07.5 Multisystem inflammatory syndrome associated with COVID-19 remapped from WH15* Special Screening, Examinations or Other Genetic Disorders HRGs for adult patients to WJ06* Sepsis HRGs <p>U07.5 Multisystem inflammatory syndrome associated with COVID-19 added to subchapter CC list</p>
XA Neonatal Critical Care	6	6	<p>No change to HRG number</p> <p>HRG label XA05Z Neonatal Critical Care, Neonatology Supported Care updated</p>
XB Paediatric Critical Care	9	9	No change to HRG number or labels
XC Adult Critical Care	7	7	No change to HRG number or labels
XD High Cost Drugs	58	58	No change to HRG number or labels

Subchapter	NC20/21	RC18/19	Comment
YA Neurological Imaging Interventions	11	11	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 1 new OPCS-4.9 code mapped to this subchapter, L35.4 Percutaneous transluminal embolectomy of cerebral artery 4 new combination codes created and mapped to this subchapter 1 existing now-redundant combination code, deleted <p><u>ICD-10 updates in this subchapter:</u></p> <p>U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
YC <u>Head and Neck</u> Imaging Interventions	3	3	<p>No change to HRG number</p> <p>Subchapter description and HRG labels updated to specify Head and Neck:</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 1 new OPCS-4.9 code mapped to this subchapter, B12.5 Percutaneous drainage of lesion of thyroid gland, resulting in deletion of 1 now-redundant combination code, B128+Y22+Y53 Drainage of thyroid gland under image control 14 new combination codes created and mapped to this subchapter. 2 of these each replaces a now-redundant combination code, deleted 3 new combination codes created replacing 3 now-redundant combination codes, deleted 10 existing OPCS-4 codes remapped to this subchapter from Subchapters CA and KA 8 existing now-redundant combination codes deleted
YD Thoracic Imaging Interventions	5	5	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> 2 new combination codes created and mapped to this subchapter, e.g. E598+WVA Water vapour ablation of lung. 1 of these replaces an existing, now-redundant combination code, deleted

Subchapter	NC20/21	RC18/19	Comment
YF Gastrointestinal Imaging Interventions	9	9	<p>No change to HRG number HRG labels amended for clarity:</p> <ul style="list-style-type: none"> • YF03A Multiple Percutaneous Drainage of Abdominal Lesion Procedures, with CC Score 5+ • YF03B Multiple Percutaneous Drainage of Abdominal Lesion Procedures, with CC Score 0-4 • YF04A Single Percutaneous Drainage of Abdominal Lesion Procedure, with CC Score 5+ • YF04B Single Percutaneous Drainage of Abdominal Lesion Procedure, with CC Score 2-4 • YF04C Single Percutaneous Drainage of Abdominal Lesion Procedure, with CC Score 0-1 • YF05Z Percutaneous Biopsy of Lesion of Abdominal Cavity <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 13 new combination codes created and mapped to this subchapter. 1 of these replaces an existing now-redundant combination code, deleted • 6 new combination codes created and mapped to this subchapter. These replace 6 now-redundant combination codes, deleted • 1 existing OPCS-4 code remapped to this subchapter from Subchapter FF • 1 code remapped to this subchapter from being ignored for grouping, T45.4 Image controlled percutaneous drainage of lesion of abdominal cavity NEC <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
YG Hepatobiliary and Pancreatic Imaging Interventions	16	16	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 3 new combination codes created and mapped to this subchapter, e.g. J668+RFA Percutaneous radiofrequency controlled thermal destruction of pancreas <p><u>ICD-10 updates in this subchapter:</u> U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>
YH Musculoskeletal Imaging Interventions	11	11	<p>No change to HRG number or labels</p> <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 1 new combination code created and mapped to this subchapter, W094+WVA Water vapour ablation of lesion of bone

Subchapter	NC20/21	RC18/19	Comment
YJ Breast Imaging Interventions	9	9	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 5 new combination codes created and mapped to this subchapter. 3 of these each replaces a now-redundant combination code, deleted 1 existing OPCS-4 code remapped from this subchapter to Subchapter JA, T87.3 Excision or biopsy of axillary lymph node
YL Urological Imaging Interventions	9	9	<p>No change to HRG number or labels</p> <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 4 new combination codes created and mapped to this subchapter, e.g. M708+MIC Microwave destruction of outlet of male bladder
YQ Vascular Open Procedures and Disorders	64	64	<p>No change to HRG number</p> <p>HRG labels updated for clarity:</p> <ul style="list-style-type: none"> YQ20A Multiple Limb Amputation Procedures with CC Score 10+ YQ20B Multiple Limb Amputation Procedures with CC Score 0-9 <p>OPCS-4.9 updates in this subchapter:</p> <ul style="list-style-type: none"> 1 new combination code created and mapped to this subchapter, A792+Y742 Thoracoscopic destruction of thoracic sympathetic nerve NEC L91.1 Open insertion of central venous catheter remapped from HRG root YR40 Insertion of Non-Tunnelled Central Venous Catheter to HRG root YQ41 Open Operations, on Other or Unspecified Blood Vessels because the procedures classified by this OPCS-4 code are not imaging interventions <p>ICD-10 updates in this subchapter: U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

Subchapter	NC20/21	RC18/19	Comment
YR Vascular Imaging Interventions	75	75	<p>No change to HRG number</p> <p>HRG labels updated for clarity:</p> <ul style="list-style-type: none"> • YR14A Percutaneous Transluminal Angioplasty with Insertion of Multiple Stents into Peripheral Blood Vessels, with CC Score 3+ • YR14B Percutaneous Transluminal Angioplasty with Insertion of Multiple Stents into Peripheral Blood Vessels, with CC Score 0-2 • YR15A Percutaneous Transluminal Angioplasty with Insertion of Single Stent into Peripheral Blood Vessel, with CC Score 6+ • YR15B Percutaneous Transluminal Angioplasty with Insertion of Single Stent into Peripheral Blood Vessel, with CC Score 3-5 • YR15C Percutaneous Transluminal Angioplasty with Insertion of Single Stent into Peripheral Blood Vessel, with CC Score 0-2 <p><u>OPCS-4.9 updates in this subchapter:</u></p> <ul style="list-style-type: none"> • 4 new OPCS-4.9 codes mapped to this subchapter • 3 new combination codes created and mapped to subchapter • 1 existing retired code remapped to HRG UZ01Z Data Invalid for Grouping, L99.1 Code retired - refer to introduction (previously L99.1 Percutaneous transluminal angioplasty of vein) • Prostate hyperplasia logic removed from 1 existing OPCS-4 code as logic now-redundant • Image control logic applied to 4 existing OPCS-4 codes amended • Logic applied to 25 existing OPCS-4 codes amended to ensure procedures that involve multiple stents, including bilateral procedures, map appropriately • L91.1 Open insertion of central venous catheter remapped from HRG root YR40 Insertion of Non-Tunnelled Central Venous Catheter to HRG root YQ41 Open Operations, on Other or Unspecified Blood Vessels because the procedures classified by this OPCS-4 code are not imaging interventions <p><u>ICD-10 updates in this subchapter:</u></p> <p>U07.1 COVID-19, virus identified and U07.2 COVID-19, virus not identified added to subchapter CC list</p>

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 **Casemix Companion** 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 it contains links to additional resources.
- 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 **Summary of Changes** document provides an overview of the main differences between the current grouper design and its relevant predecessor.
- 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.