

Summary of Changes

HRG4+ 2023/24 National Costs Grouping

NC 23/24



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Purpose

The purpose of this summary is to provide an overview of the main changes implemented between the HRG4+ 2022/23 National Costs Grouper and the HRG4+ 2023/24 National Costs Grouper.

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 and 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-grouper-and-tools>

Changes to the HRG4+ Grouper

The following changes have been implemented between the HRG4+ 2022/23 National Costs Grouper and the HRG4+ 2023/24 National Costs Grouper.

Grouper Input Changes

There are no changes to the inputs of the Grouper in this release.

Grouper Output Changes

There are no changes to the inputs of the Grouper in this release.

Grouper Software Changes

The default Start Menu folder name has been changed from NHS Digital to NHS England, following the national merger.

The Visual Studio Runtime component that is included in the installation wrapper has been updated from version 14.34.31931 to 14.38.33130.

This update has been made to ensure that the latest Microsoft Visual C++ Redistributable package is installed, ensuring compatibility with security and stability fixes that Microsoft have put into the runtime libraries. This package installs Microsoft C and C++ runtime libraries which the tool requires.

For further information around Microsoft Visual C++ Redistributable please see the link below:

<https://learn.microsoft.com/en-us/cpp/windows/latest-supported-vc-redist?view=msvc-170>

Grouper Algorithm Changes

There are no changes to the algorithm of the Grouper in this release.

HRG Design Changes

Update of base design

The design base for the HRG4+ 2023/24 National Costs Grouper is the HRG4+ 2022/23 National Costs Grouper. However, the HRG4+ 2023/24 National Costs Grouper has been updated to include:

- The accommodation of the OPCS-4.10 release, which came into effect in April 2023
- Cosmetic changes to labels and descriptions to improve clarity

Change to the number of HRGs

The total number of HRGs has not changed from the 2,900 in the HRG4+ 2022/23 National Costs Grouper.

Accommodation of OPCS-4.10

The HRG design has been updated to accommodate the release of the OPCS-4.10 update, which came into effect in April 2023.

In addition to amending the OPCS-4 code set, the Clinical Classifications Service (CCS) has made changes to the OPCS-4 National Clinical Coding Standards and has issued updated clinical coding guidance to reflect both the addition of new OPCS-4.10 codes and changes to existing OPCS-4 codes. Where necessary, the HRG design has been amended to ensure the design complies with the latest clinical coding standards and guidance:

Further information can be found on this web page:

[DAPB0084: OPCS Classification of Interventions and Procedures - NHS Digital](#)

Including a final summary of changes:

<https://nhs-prod.global.ssl.fastly.net/binaries/content/assets/website-assets/isce/0084/0084362022changesummary.pdf>

There were 236 new codes authored as part of the OPCS-4.10 update, and each of these must be accommodated within the HRG design. To determine how best to accommodate new OPCS codes, each codes entry in the CCS Table of Coding Equivalences (TOCE) has been considered alongside clinical input from the National Casemix Office Expert Working Groups (EWG).

- Of these, 8 new OPCS-4.10 codes have been Ignored for Casemix grouping purposes, either because the codes are too generic for appropriate HRG derivation, or they do not fit within the current HRG design structure.
- These codes therefore have a Procedure Hierarchy (PH) value of 1. As these new OPCS-4.10 codes are Ignored for Grouping purposes, when any of these codes are not recorded with an appropriate site enabling a combination code to be formed, or where they are not recorded with other significant procedure (i.e. with a PH value of 5 or more), a WF Outpatient Attendance HRG will be generated in an outpatient setting.
- In admitted patient care, where any of these codes are not recorded with an appropriate site enabling a combination code to be formed, or where they are not recorded with any other significant procedure (i.e. with a PH value of 5 or more), the episode/spell will generate a diagnosis-driven HRG based on the clinically determined primary diagnosis.

There are 2 OPCS-4.9 codes that have also been retired in the OPCS-4.10 update, and their descriptions changed to *Code retired - refer to introduction*. Both codes have been remapped to HRG **UZ01Z Data Invalid for Grouping** as they are no longer valid for use.

These codes are:

- **G80.2 Code retired - refer to introduction** (formerly **Wireless capsule endoscopy**)
- **P15.3 Code retired - refer to introduction** (formerly **Repair of hymen**)

Code descriptions have been updated for 44 OPCS-4 codes, which will impact on code descriptions. However, changes to code and combination code descriptions are cosmetic and will have no impact on HRG derivation.

As well as directly accommodating new OPCS-4.10 codes, there are other changes in the HRG design.

Index entries have been added for new and existing 3- and 4-character OPCS-4 codes, and some index entries for existing codes have been amended or deleted. Alongside changes to index entries, related changes to includes, excludes and usage notes have been made.

For example, these include:

- The creation of 264 new combination codes formed using new OPCS-4.10 codes, and 61 new combination codes formed using existing OPCS-4 codes

- The creation or amendment of grouping logic on 334 existing OPCS-4 codes to appropriately accommodate the new OPCS-4.10 codes into the design (including changes to list membership)
- The deletion of 81 (now redundant) combination codes that either were used to capture activity that now has its own specific OPCS-4.10 code or are no longer required due to changes in coding guidance
- The remapping of 145 existing OPCS-4 codes to a more appropriate HRG where changes due to updated coding standards have meant that the existing codes now classify different healthcare activity than they previously did.

Full details of the code mappings are available in the Excel Code to Group workbook, and further details of subchapter-specific changes can be found in the Chapter Summaries document. Both are included in the documentation suite that accompanies the HRG4+ 2023/24 National Costs Grouper release.

Changes to HRG labels

Several HRG labels have been updated as a result of the accommodation of OPCS-4.10 into the HRG design.

- 18 HRG root labels (encompassing 24 HRG labels) have been amended to clarify the HRG content
- 8 HRG root labels (encompassing 12 HRG labels) have been amended to clarify the type of activity mapped to the HRGs.

These changes are cosmetic and will not affect HRG grouping.

Table 1: HRG Distribution by Subchapter

The following table includes a high-level description of design changes and HRG distribution by subchapter in the HRG4+ 2023/24 National Costs Grouper compared to the HRG4+ 2022/23 National Costs Grouper. For further details of all changes to HRG subchapters, please see the supporting documentation for the HRG4+ 2023/24 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 an 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	NC23/24	NC22/23	Comment
AA Nervous System Procedures and Disorders	101	101	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 19 new combination codes created with new OPCS-4.10 site codes O46.1 Interbrain and O46.2 Midbrain and appropriately mapped, replacing redundant logic on 6 existing OPCS-4 codes, now removed ➤ 4 existing OPCS-4 codes remapped for design consistency / coding clarification
AB Pain Management	16	16	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 5 new combination codes created with new OPCS-4.10 site codes for medial branch of spinal nerve and appropriately mapped ➤ 49 existing procedure codes utilising OPCS-4 code category A68.- Other release of peripheral nerve have pain management logic removed following coding clarification ➤ 49 now redundant +IMAGE combination codes deleted
BZ Eyes and Periorbita Procedures and Disorders	95	95	No change to HRG number or labels
CA Ear, Nose, Mouth, Throat, Head and Neck Procedures	122	122	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 8 new OPCS-4.10 codes, including E32.1 Endoscopic cricoid split and E33.7 Cricoid split, appropriately mapped ➤ 1 redundant combination code for tonsillectomy deleted

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Subchapter	NC23/24	NC22/23	Comment
CB Ear, Nose, Mouth, Throat, Head and Neck Disorders	12	12	No change to HRG number or labels
CD Dental and Orthodontic Procedures	23	23	<p>No change to HRG number HRG labels updated:</p> <ul style="list-style-type: none"> • CD07* Simple Extraction of Tooth • CD08Z Biopsy of Gingiva • CD09* Dental Restoration Procedures <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 30 new OPCS-4.10 codes, including F19.2 Preservation of alveolar ridge using graft, appropriately mapped ➤ 14 new combination codes created for renewal of various orthodontic devices and appropriately mapped ➤ 22 existing procedure codes, including dental restoration procedures, remapped ➤ 61 existing procedure codes with procedure hierarchy value and/or length of stay logic updated
DX COVID-19 Infection	6	6	No change to HRG number or labels
DZ Thoracic Procedures and Disorders	176	176	<p>No change to HRG number To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 2 new OPCS-4.10 codes, including X52.2 High flow nasal oxygen therapy, appropriately mapped ➤ 41 new combination codes created, including those using new OPCS-4.10 site code O52.1 Intercostal nerve, and appropriately mapped, some replacing 10 existing redundant combination codes, now deleted following coding clarification ➤ 2 existing procedure codes remapped, including X52.8 Other specified oxygen therapy that is now Ignored for Grouping as no longer required to capture HFNO
EB Cardiac Disorders	48	48	No change to HRG number or labels
EC Open and Interventional Procedures for Congenital Heart Disease	21	21	<p>No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code K62.6 Percutaneous transluminal intermittent occlusion of coronary sinus appropriately mapped for paediatric or adult CHD patients ➤ 1 new combination code K388+Y022+TRNSCATH Percutaneous transcatheter insertion of prosthesis into structure adjacent to valve of heart created as per NICE IPG700 and appropriately mapped for paediatric or adult CHD patients

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Subchapter	NC23/24	NC22/23	Comment
ED Open Cardiac Procedures for Acquired Conditions	50	50	No change to HRG number or labels
EY Interventional Cardiology for Acquired Conditions	73	73	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code K62.6 Percutaneous transluminal intermittent occlusion of coronary sinus appropriately mapped ➤ 1 new combination code K388+Y022+TRNSCATH Percutaneous transcatheter insertion of prosthesis into structure adjacent to valve of heart created as per NICE IPG700 and appropriately mapped
FD Digestive System Disorders	54	54	No change to HRG number or labels
FE Digestive System Endoscopic Procedures	41	41	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: <ul style="list-style-type: none"> ➤ 5 new OPCS-4.10 codes, including U17.7 Wireless capsule endoscopy of digestive tract, appropriately mapped, 2 replacing existing redundant combination codes, now deleted, and 1 replacing existing retired OPCS-4 code, G80.2 Code retired – refer to introduction now remapped to HRG UZ01Z Invalid for Grouping Purposes ➤ 1 new combination code created using new OPCS-4.10 code H21.6 Fibreoptic endoscopic insertion of tubal prosthesis into colon to represent the endoscopic insertion of colonic stents and appropriately mapped
FF Digestive System Open and Laparoscopic Procedures	115	115	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: <ul style="list-style-type: none"> ➤ 9 new OPCS-4.10 codes, including those for high resolution anoscopy (HRA) procedures, appropriately mapped ➤ 1 existing OPCS-4 code H56.8 Other specified other operations on anus remapped as no longer required to capture HRA ➤ 36 existing procedure codes have had logic and/or list membership amended, including those for several peritoneum, omentum and abdominopelvic lymph node procedures
GA Hepatobiliary and Pancreatic System Open and Laparoscopic Procedures	27	27	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
GB Hepatobiliary and Pancreatic System Endoscopic and Percutaneous Procedures	14	14	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 2 new combination codes created and appropriately mapped, in support of <i>NICE IPG698 and IPG699</i>
GC Hepatobiliary and Pancreatic System Disorders	24	24	No change to HRG number or labels
HC Spinal Surgery and Disorders	74	74	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 1 new OPCS-4.10 code V46.6 Fixation of fracture of spine using screw appropriately mapped ➤ 7 new combination codes created, including those for spinal casting procedures, and appropriately mapped, 5 replacing existing redundant combination codes, now deleted ➤ 2 additional redundant combination codes for internal, including intramedullary, fixation now deleted ➤ 3 existing OPCS-4 site codes removed from combination list CL_Spine following coding clarification
HD Musculoskeletal Disorders	35	35	No change to HRG number or labels
HE Orthopaedic Disorders	84	84	No change to HRG number or labels
HN Orthopaedic Non-Trauma Procedures	111	111	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 52 new OPCS-4.10 codes, including those relating to microsurgical transfer of peripheral nerve(s), appropriately mapped ➤ 210 new combination codes for orthopaedic +SITE combinations created and appropriately mapped ➤ 90 existing procedure codes, including those for existing OPCS-4 code category A62.- Microsurgical repair of peripheral nerve , remapped ➤ 1 existing OPCS-4 site code O16.1 Pelvis NEC removed from combination list CL_Hip following coding clarification

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Subchapter	NC23/24	NC22/23	Comment
HT Orthopaedic Trauma Procedures	87	87	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 52 new OPCS-4.10 codes, including those relating to microsurgical transfer of peripheral nerve(s), appropriately mapped for trauma patients ➤ 210 new combination codes for orthopaedic +SITE combinations created and appropriately mapped for trauma patients ➤ 90 existing procedure codes, including those for existing OPCS-4 code category A62.- Microsurgical repair of peripheral nerve, remapped for trauma patients ➤ 1 existing OPCS-4 site code O16.1 Pelvis NEC removed from combination list CL_Hip following coding clarification
JA Breast Procedures and Disorders	35	35	<p>No change to HRG number</p> <p>HRG labels updated:</p> <ul style="list-style-type: none"> • JA34Z Unilateral Delayed Free Flap Breast Reconstruction • JA35Z Bilateral Delayed Free Flap Breast Reconstruction • JA36Z Unilateral Excision of Breast with Immediate Free Flap Reconstruction • JA37Z Bilateral Excision of Breast with Immediate Free Flap Reconstruction • JA38* Unilateral Very Major Breast Procedures • JA39Z Bilateral Very Major Breast Procedures <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 17 new OPCS-4.10 codes, including new OPCS category B44.- Reconstruction of breast using flap of chest wall, appropriately mapped ➤ 3 new combination codes created, including that for aspiration of post-operative breast haematomas, and appropriately mapped ➤ 6 existing procedure codes, including those for radical mastectomy procedures and partial reconstruction procedures, remapped ➤ 73 existing procedure codes, including those for lymph node dissection, have had logic and/or list membership amended
JB Burns Procedures and Disorders	38	38	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
JC Skin Surgery	11	11	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 1 new combination code using new OPCS-4.10 approach code Y69.5 Harvest of buccal mucosa created and appropriately mapped
JD Skin Disorders	10	10	No change to HRG number or labels
KA Endocrine System Procedures and Disorders	18	18	No change to HRG number or labels
KB Diabetic Medicine	12	12	No change to HRG number or labels
KC Metabolic Disorders	9	9	No change to HRG number or labels
LA Renal Procedures and Disorders	48	48	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
LB Urological and Male Reproductive System Procedures and Disorders	149	149	<p>No change to HRG number</p> <p>HRG labels updated:</p> <ul style="list-style-type: none"> • LB21* Complex Open, Prostate or Bladder Neck Procedures • LB22Z Complex Laparoscopic, Prostate or Bladder Neck Procedures • LB26* Intermediate Endoscopic, Prostate or Bladder Neck Procedures • LB29* Major Urethra Procedures • LB50Z Implantation of Artificial Urinary Sphincter • LB51* Intermediate, Open or Laparoscopic, Bladder Neck Procedures • LB59Z Major, Open or Laparoscopic, Bladder Neck Procedures • LB69Z Complex Robotic, Prostate or Bladder Neck Procedures • LB70* Complex Endoscopic, Prostate or Bladder Neck Procedures • LB78Z Minor Prostate or Bladder Neck Procedures • LB81Z Complex Urethra Procedures <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 14 new OPCS-4.10 codes, including T45.5 Image controlled insertion of biodegradable spacer into perirectal space, appropriately mapped, 4 replacing existing redundant combination codes, now deleted ➤ 2 new combination codes created and appropriately mapped ➤ 4 additional redundant combination codes relating to collar / device renewals deleted ➤ 20 existing procedure codes including M52.1 Suprapubic sling operation NEC remapped ➤ 16 existing procedure codes, including those for complex urethroplasty, using the new OPCS-4.10 site codes O53.1 Prostatic urethra and O53.3 Penile urethra have had logic and/or list membership amended
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

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Subchapter	NC23/24	NC22/23	Comment
MA Female Reproductive System Procedures	60	60	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 6 new OPCS-4.10 codes appropriately mapped, with P29.6 Oversewing of mesh in vagina replacing 4 existing redundant combination codes, now deleted ➤ 1 new combination code P098+Y41 Examination of vulva created to capture colposcopy of vulva (vulvoscopy) and appropriately mapped ➤ 1 existing retired OPCS-4 code P15.3 Code retired – refer to introduction remapped to HRG UZ01Z Invalid for Grouping Purposes ➤ 54 existing procedure codes, including those for hysterectomy and [salping]oophorectomy procedures, have had logic and/or list membership amended
MB Female Reproductive System Disorders	17	17	No change to HRG number or labels
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>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code R15.2 Mechanical induction of labour appropriately mapped
PB Neonatal Disorders	20	20	No change to HRG number or labels
PC Paediatric Ear, Nose, Mouth and Throat Disorders	4	4	No change to HRG number or labels
PD Paediatric Respiratory Disorders	24	24	No change to HRG number or labels
PE Paediatric Cardiology Disorders	12	12	No change to HRG number or labels
PF Paediatric Gastroenterology Disorders	17	17	No change to HRG number or labels
PG Paediatric Hepatobiliary Disorders	3	3	No change to HRG number or labels
PH Paediatric Rheumatology Disorders	4	4	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
PJ Paediatric Dermatology Disorders	7	7	No change to HRG number or labels
PK Paediatric Diabetology, Endocrinology and Metabolic Disorders	11	11	No change to HRG number or labels
PL Paediatric Renal Disorders	10	10	No change to HRG number or labels
PM Paediatric Haematological-Oncology Disorders	14	14	No change to HRG number or labels
PN Paediatric Non-Malignant Haematological Disorders	9	9	No change to HRG number or labels
PP Paediatric Ophthalmic Disorders	2	2	No change to HRG number or labels
PQ Paediatric Immune System Disorders	2	2	No change to HRG number or labels
PR Paediatric Nervous System Disorders	22	22	No change to HRG number or labels
PT Paediatric Mental Health Disorders	4	4	No change to HRG number or labels
PV Paediatric Trauma Medicine	7	7	No change to HRG number or labels
PW Paediatric Infectious Diseases	15	15	No change to HRG number or labels
PX Paediatric Medicine	46	46	No change to HRG number or labels
RD Diagnostic Imaging Procedures	49	49	No change to HRG number or labels
RN Nuclear Medicine Procedures	69	69	No change to HRG number or labels
SA Haematological Procedures and Disorders	104	104	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
SB Chemotherapy	18	18	No change to HRG number or labels
SC Radiotherapy	30	30	No change to HRG number or labels
SD Specialist Palliative Care	10	10	No change to HRG number or labels
UZ Undefined Groups	1	1	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 52 new OPCS-4.10 codes which are method of operation, site or conversion from codes mapped to HRG UZ01Z Data Invalid for Grouping ➤ 26 new OPCS-4.10 codes which are .8 Other specified or .9 Unspecified codes of extended code categories mapped to HRG UZ01Z Data Invalid for Grouping ➤ 2 existing OPCS-4 codes retired in OPCS-4.10 (with descriptions updated to Code retired - refer to introduction) remapped to HRG UZ01Z Data Invalid for Grouping
VA Multiple Trauma	24	24	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 69 new OPCS-4.10 codes added to multiple trauma lists and Core 4 multiple trauma grouping logic, including new OPCS category T75.- Delayed primary repair of tendon ➤ 256 new combination codes, including many for orthopaedic +SITE combinations created and added to multiple trauma lists and Core 4 multiple trauma grouping logic ➤ 53 existing redundant, now deleted, combination codes removed from multiple trauma lists and Core 4 multiple trauma grouping logic, as result of authoring of new codes / clarification / updates to coding guidance
VB Emergency Medicine	12	12	No change to HRG number or labels
VC Rehabilitation	23	23	<p>No change to HRG number or labels</p> <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code U50.6 Delivery of rehabilitation for joint instability appropriately mapped
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

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Subchapter	NC23/24	NC22/23	Comment
WH Poisoning, Toxic Effects, Special Examinations, Screening and Other Healthcare Contacts	68	68	No change to HRG number or labels
WJ Infectious Diseases and Immune System Disorders	38	38	No change to HRG number or labels
XA Neonatal Critical Care	6	6	No change to HRG number or labels
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
YA Neurological Imaging Interventions	11	11	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 2 new OPCS-4.10 site codes O46.1 Interbrain and O46.2 Midbrain added to combination list CL_Neuro
YC Head and Neck Imaging Interventions	3	3	No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter: ➤ 5 new combination codes for various thyroid ablation procedures created and appropriately mapped following coding clarification
YD Thoracic Imaging Interventions	5	5	No change to HRG number HRG label updated: • YD02Z Percutaneous Biopsy of Lesion of, Pleura or Chest Wall To accommodate the OPCS-4.10 update within this subchapter: ➤ 1 new OPCS-4.10 code T05.6 Percutaneous biopsy of lesion of chest wall appropriately mapped ➤ 2 new combination codes created for operations on the soft tissue of chest / intercostal muscles and appropriately mapped, following coding clarification
YF Gastrointestinal Imaging Interventions	9	9	No change to HRG number or labels
YG Hepatobiliary and Pancreatic Imaging Interventions	16	16	No change to HRG number or labels

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Subchapter	NC23/24	NC22/23	Comment
YH Musculoskeletal Imaging Interventions	11	11	<p>No change to HRG number HRG labels updated:</p> <ul style="list-style-type: none"> • YH01Z Complex Percutaneous Vertebroplasty • YH02Z Major Percutaneous Vertebroplasty • YH03Z Standard Percutaneous Vertebroplasty <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code V44.6 Augmentation vertebroplasty of fracture of spine using intravertebral implant appropriately mapped ➤ 2 new combination codes (created using new code) with multiple levels of spine and appropriately mapped
YJ Breast Imaging Interventions	9	9	<p>No change to HRG number HRG label updated:</p> <ul style="list-style-type: none"> • YJ12Z Insertion of Marker, into Breast or Axillary Lymph Node <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 4 new combination codes created for the insertion of various types of breast and lymph node markers and appropriately mapped following coding clarification
YL Urological Imaging Interventions	9	9	No change to HRG number or labels
YQ Vascular Open Procedures and Disorders	64	64	<p>No change to HRG number or labels To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 1 new OPCS-4.10 code L93.7 Repair of vein NEC appropriately mapped ➤ 3 new combination codes (created using new code +SITE) and appropriately mapped ➤ 1 existing combination code L703+Z382 Ligation of internal iliac artery has redundant logic deleted

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Subchapter	NC23/24	NC22/23	Comment
YR Vascular Imaging Interventions	75	75	<p>No change to HRG number HRG label updated:</p> <ul style="list-style-type: none"> • YR58Z Injection Sclerotherapy of Peripheral Low Flow Vascular Malformation <p>To accommodate the OPCS-4.10 update within this subchapter:</p> <ul style="list-style-type: none"> ➤ 2 new combination codes created for sclerotherapy of vascular and lymphatic malformations and appropriately mapped following coding clarification ➤ 1 existing OPCS-4 code J10.4 Percutaneous transluminal angioplasty of blood vessel of liver has amended escalation logic following coding clarification

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.