

WELSH INFORMATION STANDARDS BOARD

DSC Notice:	DSCN 2022 / 41
Date of Issue:	1 st July 2026

Welsh Health Circular/Official Letter: WHC/2022/005: Welsh Value in Health Centre – Data Requirements Sponsor: Christopher Brown, National Director of Value Transformation Standard Type: PROMs Effective Date: 01/07/2026	Subject: Value in Health – Oxford Shoulder Score (OSS) (AMD)
DATA STANDARDS CHANGE NOTICE A Data Standards Change Notice (DSCN) is an information mandate for a new or revised information standard. This DSCN was approved by the Welsh Information Standards Board (WISB) at its meeting on 21st May 2026. WISB Reference: ISRN 2026 / 007	
Summary: The revision of the data set for Oxford Shoulder Score (OSS), to establish a standardised structure for the collection and storage of all data items and corresponding values included within this DSCN.	
Applies to: Patient Reported Outcome Measures (PROMs) (wales.nhs.uk)	
Please address enquiries about this Data Standards Change Notice to the Data Standards Team in Digital Health and Care Wales E-mail: data.standards@wales.nhs.uk	
The Welsh Information Standards Board is responsible for appraising information standards. Submission documents and WISB Outcomes relating to the approval of this standard can be found at: https://nhswales365.sharepoint.com/sites/DHC_DST/Lists/Information%20Standards%20Assurance%20Submission%20Log/AllItems.aspx	

DATA STANDARDS CHANGE NOTICE

Introduction

The Value in Health (or VIH) programme was commissioned by Welsh Government to *"Improve the health outcomes of the people in Wales, in a financially sustainable way, through the creation of a data-driven system, which seeks to provide timely information to citizens, clinical teams and organisations to inform decision-making."*

Part of this programme includes the development of digital products capable of providing outcome-based analytical information at the point of care, as well as for secondary use analyses. In particular, these products aim to:

- Provide an analytical tool to allow clinicians to view data at population level and make informed decisions based on relationships they identify between diagnoses, treatments and outcomes/survival;
- Improve accessibility of national audit data and make this visible throughout the year rather than via the annual statutory reporting process;
- Improve data quality by making the data more visible and using measures to highlight data issues;
- Make historical data available to enable the identification of patterns and trends over time; and
- Provide drill-through functionality to allow clinicians to drill down to record level and identify corresponding patient records in operational systems.

This is to be achieved through the central collection of validated or standardised patient questionnaires including Patient-Reported Outcome Measures (PROMs) and national clinical audit data, and data linkage to associate these records with sources of existing activity data, through data sets such as Admitted Patient Care (APC ds), Outpatient activity (OP ds) and Emergency Department Data Set (EDDS).

The mandate for the necessary patient reported and clinical outcome data was issued to NHS Wales by Welsh Government via WHC (2022)005¹. This describes the requirement in the context of national strategy for health and social care, and the necessity for services to adapt to the evolving healthcare needs of the ageing population to create a service that is flexible and more effective in dealing with these emerging challenges.

Description of Change

To introduce a standard coding structure for the Oxford Shoulder Score (OSS) Questionnaire PROMs tool, reflecting updates to the existing dataset and ensuring alignment with current PROMs standards.

This DSCN supersedes the previous DSCN for OSS, the relevant reference number has been updated accordingly.

Actions Required

Local Health Boards / Trust:

- To work collaboratively with DHCW and other provider organisations to develop the technical interoperability standards necessary for effective communication of PROMs data across systems and organisational boundaries; and ultimately

¹ <https://gov.wales/welsh-value-health-centre-data-requirements-whc2022005>

- To supply questionnaire and PROMs data to DHCW in accordance with the information specification described in this DSCN.

Digital Health and Care:

- To work collaboratively with provider organisations to develop the technical interoperability standards necessary for effective communication of questionnaire and PROMs data across systems and organisational boundaries; and ultimately
- To supply questionnaire and PROMs data to health boards and trusts in accordance with the information specification described in this DSCN.

Oxford Shoulder Score (OSS) Questionnaire

Scope

A form can be issued to a patient at any point along their treatment pathway. Usually this occurs prior to, and at regular intervals following their treatment, as a means of measuring and monitoring the effectiveness of their treatment following an intervention from the patient's perspective.

Standardised data is vital to effective central storage of data and, in particular, to the data linkage and analysis processes necessary to interpret the data to provide meaningful and consistent information via the aforementioned digital dashboards and data visualisation tools. This DSCN provides a standard coding structure and process for the central submission, storage and communication of data for Oxford Shoulder Score (OSS) PROMs questions.

This data standard defines the information specification, and serves as a basis for the development of technical and interoperability standards which, in turn, define the data extraction and communication mechanisms necessary to unlock data from PROMs applications for both national and local purposes, to enable analysis at patient and population level. The detail of these technical standards is described in the associated technical specification documentation.

The scope of this standard is independent of the platform or source application used to capture information, however it is limited to the nationally-validated or standardised questionnaires and PROMs tools. The composition of these questionnaires is described in separate DSCNs, one for each questionnaire.

Also defined is a set of metadata items which underpin the data in an associated PROMs Metadata Standard. This comprises the following components or *data modules*:

- Patient Details;
- Document Details;
- Event Details;
- PROMs Details; and
- Data Entry Details.

This DSCN should be read in conjunction with the metadata specification and associated notices for related validated/standardised questionnaires and PROMs tools.

Effective Date:

This data standard is effective from the date of publication. Only those data flows that comply with the standard and associated technical standards will be processed for central storage and consumption by ViH products and nationally-developed views

managed centrally by Digital Health and Care Wales (DHCW). Details of the implementation plan and central submission process are to be described in the associated technical specification.

Appendix A: Table reflecting areas that are impacted as a result of this DSCN

The following table shows where there are changes to the scope and/or definitions of applicable data sets, data items, terms and other associated areas that are linked with the changes documented within this DSCN.

Key:

- **New:** The creation of a new data item not already described in an existing standard.
- **Retired:** The entire data item is no longer in use.
- **Changed:** An existing data item has been modified; this includes a change to the definition or its value set.
- **Existing:** The inclusion of a data item that is already in use in an existing standard, but no changes have been made to its definition or value set.

Data Definition Type	Name	New/Retired/Changed/Existing	Page Number
Data module	Patient Details	Existing	6
Data module	Document Details	Existing	6
Data module	Event Details	Existing	6
Data module	PROMs Details	Existing	6
Data module	Data Entry Details	Existing	6
Data module	Oxford Shoulder Score	Existing	9
Data item	Side A Effected	Changed	9
Data item	Worst Pain	Retired	10
Data item	Worst Pain (right side)	New	10
Data item	Clothing	Retired	11
Data item	Clothing (right side)	New	11
Data item	Public transport	Retired	12
Data item	Public transport (right side)	New	12
Data item	Cutlery	Retired	12
Data item	Cutlery (right side)	New	13
Data item	Shopping	Retired	13
Data item	Shopping (right side)	New	14
Data item	Carrying	Retired	14
Data item	Carrying (right side)	New	15
Data item	Brush/comb	Retired	15
Data item	Brush/comb (right side)	New	16
Data item	Usual pain	Retired	16
Data item	Usual pain (right side)	New	15
Data item	Hang clothes	Retired	17

Data item	Hang clothes (right side)	New	19
Data item	Under arm washing	Retired	18
Data item	Under arm washing (right side)	New	19
Data item	Housework	Retired	19
Data item	Housework (right side)	New	19
Data item	Night time	Retired	19
Data item	Night time (right side)	New	20
Data item	Score	Retired	21
Data item	Score (right side)	New	21
Data item	Worst Pain (left side)	New	10
Data item	Clothing (left side)	New	11
Data item	Public transport (left side)	New	12
Data item	Cutlery (left side)	New	12
Data item	Shopping (left side)	New	14
Data item	Carrying (left side)	New	15
Data item	Brush/comb (left side)	New	16
Data item	Usual pain (left side)	New	17
Data item	Hang clothes (left side)	New	18
Data item	Under arm washing (left side)	New	19
Data item	Housework (left side)	New	20
Data item	Night time (left side)	New	21
Data item	Score (left side)	New	21

Appendix B: Highlighted changes to be made to the Standard

Changes to the Standard are detailed below, with new text being highlighted in **blue** and deletions are shown with a ~~strikethrough~~. The text shaded in **grey** shows existing text copied from the previous Standard.

Data Type	Item Name	Reference	Data represents
Data Module	Patient Details	MPDPX	See PROMs Metadata specification
Data Module	Document Details	MDDPX	See PROMs Metadata specification
Data Module	Event Details	MEDPX	See PROMs Metadata specification
Data Module	PROMs Details	MPRPX	See PROMs Metadata specification
Data Module	Data Entry Details	MDEPX	See PROMs Metadata specification
Data Item	Side A affected	OSSPX001X	Code from applicable value set
Data item	Worst Pain	ØSSPX002X	Code from applicable value set
Data item	Worst Pain (right side)	OSSPX015X	Code from applicable value set
Data item	Clothing	ØSSPX003X	Code from applicable value set
Data item	Clothing (right side)	OSSPX016X	Code from applicable value set
Data item	Public transport	ØSSPX004X	Code from applicable value set
Data item	Public transport (right side)	OSSPX017X	Code from applicable value set
Data item	Cutlery	ØSSPX005X	Code from applicable value set
Data item	Cutlery (right side)	OSSPX018X	Code from applicable value set
Data item	Shopping	ØSSPX006X	Code from applicable value set
Data item	Shopping (right side)	OSSPX019X	Code from applicable value set
Data item	Carrying	ØSSPX007X	Code from applicable value set
Data item	Carrying (right side)	OSSPX020X	Code from applicable value set
Data item	Brush/comb	ØSSPX008X	Code from applicable value set
Data item	Brush/comb (right side)	OSSPX021X	Code from applicable value set
Data item	Usual pain	ØSSPX009X	Code from applicable value set

Data Type	Item Name	Reference	Data represents
Data item	Usual pain (right side)	OSSPX022X	Code from applicable value set
Data item	Hang clothes	OSSPX010X	Code from applicable value set
Data item	Hang clothes (right side)	OSSPX023X	Code from applicable value set
Data item	Under arm washing	OSSPX011X	Code from applicable value set
Data item	Under arm washing (right side)	OSSPX024X	Code from applicable value set
Data item	Housework	OSSPX012X	Code from applicable value set
Data item	Housework (right side)	OSSPX025X	Code from applicable value set
Data item	Night time	OSSPX013X	Code from applicable value set
Data item	Night time (right side)	OSSPX026X	Code from applicable value set
Data item	Score	OSSPX014X	Calculated score
Data item	Score (right side)	OSSPX027X	Calculated score
Data item	Worst Pain (left side)	OSSPX028X	Code from applicable value set
Data item	Clothing (left side)	OSSPX029X	Code from applicable value set
Data item	Public transport (left side)	OSSPX030X	Code from applicable value set
Data item	Cutlery (left side)	OSSPX031X	Code from applicable value set
Data item	Shopping (left side)	OSSPX032X	Code from applicable value set
Data item	Carrying (left side)	OSSPX033X	Code from applicable value set
Data item	Brush/comb (left side)	OSSPX034X	Code from applicable value set
Data item	Usual pain (left side)	OSSPX035X	Code from applicable value set
Data item	Hang clothes (left side)	OSSPX036X	Code from applicable value set
Data item	Under arm washing (left side)	OSSPX037X	Code from applicable value set

Data Type	Item Name	Reference	Data represents
Data item	Housework (left side)	OSSPX038X	Code from applicable value set
Data item	Night time (left side)	OSSPX039X	Code from applicable value set
Data item	Score (left side)	OSSPX040X	Calculated score

- Please note that all data modules/items are mandatory, but the information specifications contain details for populating items where there is no data, e.g. 8 – N/A, 9 – Unknown, etc.
- Note also that a data record should be submitted if there is data for 1 or more questions. For questions where an answer has not been supplied, a value of NULL, N/A or unknown should be provided against the relevant data item in accordance with the specification described below.

Appendix C: Information Specification

Changes to the Standard are detailed below, with new text being highlighted in blue and deletions shown with a strikethrough. Text shaded in grey denotes existing content.

Question Reference	Question Text	Data Item Name	Format	Value Set / Example													
OFAPX001X	On which side of your body is the affected shoulder for which you are receiving treatment?	Side Affected	1-digit numeric	<table><tr><td>1</td><td>Left</td></tr><tr><td>2</td><td>Right</td></tr><tr><td>3</td><td>Both</td></tr><tr><td>9</td><td>Unknown</td></tr></table>	1	Left	2	Right	3	Both	9	Unknown					
1	Left																
2	Right																
3	Both																
9	Unknown																
OSSPX002X	How would you describe the worst pain you had from your shoulder?	Worst Pain	1-digit numeric	<table><tr><td>4</td><td>None</td></tr><tr><td>3</td><td>Mild</td></tr><tr><td>2</td><td>Moderate</td></tr><tr><td>1</td><td>Severe</td></tr><tr><td>0</td><td>Unbearable</td></tr><tr><td>9</td><td>Unknown</td></tr></table>	4	None	3	Mild	2	Moderate	1	Severe	0	Unbearable	9	Unknown	
4	None																
3	Mild																
2	Moderate																
1	Severe																
0	Unbearable																
9	Unknown																

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX015 X	How would you describe the worst pain you had from your shoulder?	Worst Pain (right side)	1-digit numeric	4	None
				3	Mild
				2	Moderate
				1	Severe
				0	Unbearable
				9	Unknown
OSSPX003 X	Have you had any trouble dressing yourself because of your shoulder?	Clothing	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown
OSSPX016 X	Have you had any trouble dressing yourself because of your shoulder?	Clothing (right side)	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX004 X	Have you had any trouble getting in and out of a car or using public transport because of your shoulder? (whichever you tend to use)	Public transport	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown
OSSPX017 X	Have you had any trouble getting in and out of a car or using public transport because of your shoulder? (whichever you tend to use)	Public transport (right side)	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown
OSSPX005 X	Have you been able to use a knife and fork at the same time?	Cutlery	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX018 X	Have you been able to use a knife and fork - at the same time?	Cutlery (right side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX006 X	Could you do the household shopping on your own?	Shopping	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX019 X	Could you do the household shopping on your own?	Shopping (right side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX007 X	Could you carry a tray containing a plate of food across a room?	Carrying	1-digit numeric	4 Yes, easily 3 With little difficulty 2 With moderate difficulty 1 With extreme difficulty 0 No, impossible 9 Unknown	
OSSPX020 X	Could you carry a tray containing a plate of food across a room?	Carrying (right side)	1-digit numeric	4 Yes, easily 3 With little difficulty 2 With moderate difficulty 1 With extreme difficulty 0 No, impossible 9 Unknown	
OSSPX008 X	Could you brush/comb your hair with the affected arm?	Brush/comb	1-digit numeric	4 Yes, easily 3 With little difficulty 2 With moderate difficulty 1 With extreme difficulty 0 No, impossible 9 Unknown	

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX021 X	Could you brush/comb your hair with the affected arm?	Brush/comb (right side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX009 X	How would you describe the pain you usually had from your shoulder?	Usual pain	1-digit numeric	4	None
				3	Very mild
				2	Mild
				1	Moderate
				0	Severe
				9	Unknown
OSSPX022 X	How would you describe the pain you usually had from your shoulder?	Usual pain (right side)	1-digit numeric	4	None
				3	Very mild
				2	Mild
				1	Moderate
				0	Severe
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX010 X	Could you hang your clothes up in a wardrobe, using the affected arm?	Hang clothes	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX023 X	Could you hang your clothes up in a wardrobe, using the affected arm?	Hang clothes (right side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX011 X	Have you been able to wash and dry yourself under both arms?	Under arm washing	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX024 X	Have you been able to wash and dry yourself under both arms?	Under arm washing (right side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX012 X	How much has pain from your shoulder interfered with your usual work (including housework)?	Housework	1-digit numeric	4	Not at all
				3	A little bit
				2	Moderately
				1	Great
				0	Totally
				9	Unknown
OSSPX025 X	How much has pain from your shoulder interfered with your usual work (including housework)?	Housework (right side)	1-digit numeric	4	Not at all
				3	A little bit
				2	Moderately
				1	Great
				0	Totally
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example													
OSSPX013 ✕	Have you been troubled by pain from your shoulder in bed at night?	Night time	1-digit numeric	<table><tr><td>4</td><td>No nights</td></tr><tr><td>3</td><td>Only 1 or 2 nights</td></tr><tr><td>2</td><td>Some nights</td></tr><tr><td>1</td><td>Most nights</td></tr><tr><td>0</td><td>Every night</td></tr><tr><td>9</td><td>Unknown</td></tr></table>	4	No nights	3	Only 1 or 2 nights	2	Some nights	1	Most nights	0	Every night	9	Unknown	
4	No nights																
3	Only 1 or 2 nights																
2	Some nights																
1	Most nights																
0	Every night																
9	Unknown																
OSSPX026 ✕	Have you been troubled by pain from your shoulder in bed at night?	Night time (right side)	1-digit numeric	<table><tr><td>4</td><td>No nights</td></tr><tr><td>3</td><td>Only 1 or 2 nights</td></tr><tr><td>2</td><td>Some nights</td></tr><tr><td>1</td><td>Most nights</td></tr><tr><td>0</td><td>Every night</td></tr><tr><td>9</td><td>Unknown</td></tr></table>	4	No nights	3	Only 1 or 2 nights	2	Some nights	1	Most nights	0	Every night	9	Unknown	
4	No nights																
3	Only 1 or 2 nights																
2	Some nights																
1	Most nights																
0	Every night																
9	Unknown																
OSSPX014 ✕	Score	Score	Decimal (to as many decimal places as possible, i.e. no rounding)	Score (0-48) based on OSS scoring method, e.g. 41 Use NULL for missing, unknown or N/A values													
OSSPX027 ✕	Score	Score (right side)	Decimal (to as many decimal places as possible, i.e. no rounding)	Score (0-48) based on OSS scoring method, e.g. 41 Use NULL for missing, unknown or N/A values													

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX028 X	How would you describe the worst pain you had from your shoulder?	Worst Pain (left side)	1-digit numeric	4	None
				3	Mild
				2	Moderate
				1	Severe
				0	Unbearable
				9	Unknown
OSSPX029 X	Have you had any trouble dressing yourself because of your shoulder?	Clothing (left side)	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown
OSSPX030 X	Have you had any trouble getting in and out of a car or using public transport because of your shoulder? (whichever you tend to use)	Public transport (left side)	1-digit numeric	4	No trouble at all
				3	A little bit of trouble
				2	Moderate trouble
				1	Extreme difficulty
				0	Impossible to do
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX031 X	Have you been able to use a knife and fork - at the same time?	Cutlery (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX032 X	Could you do the household shopping on your own?	Shopping (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX033 X	Could you carry a tray containing a plate of food across a room?	Carrying (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX034 X	Could you brush/comb your hair with the affected arm?	Brush/comb (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX035 X	How would you describe the pain you usually had from your shoulder?	Usual pain (left side)	1-digit numeric	4	None
				3	Very mild
				2	Mild
				1	Moderate
				0	Severe
				9	Unknown
OSSPX036 X	Could you hang your clothes up in a wardrobe, using the affected arm?	Hang clothes (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example	
OSSPX037 X	Have you been able to wash and dry yourself under both arms?	Under arm washing (left side)	1-digit numeric	4	Yes, easily
				3	With little difficulty
				2	With moderate difficulty
				1	With extreme difficulty
				0	No, impossible
				9	Unknown
OSSPX038 X	How much has pain from your shoulder interfered with your usual work (including housework)?	Housework (left side)	1-digit numeric	4	Not at all
				3	A little bit
				2	Moderately
				1	Great
				0	Totally
				9	Unknown
OSSPX039 X	Have you been troubled by pain from your shoulder in bed at night?	Night time (left side)	1-digit numeric	4	No nights
				3	Only 1 or 2 nights
				2	Some nights
				1	Most nights
				0	Every night
				9	Unknown

Question Reference	Question Text	Data Item Name	Format	Value Set / Example
OSSPX040 X	Score	Score (left side)	Decimal (to as many decimal places as possible, i.e. no rounding)	Score (0-48) based on OSS scoring method, e.g. 41 Use NULL for missing, unknown or N/A values

