COSD mapping for Appendix K: Reporting proforma for breast core biopsy in list format

RCPath Data set item element name	Values	Implementation comments	COSD Pathology v4.0.2 (2020)	COSD Pathology v5.1.1 (2024)
Surname			CR0050 - Person Family Name	CR0050 - Person Family Name
Forenames			CR0060 - Person Given Name	CR0060 - Person Given Name
Date of birth			CR0100 - Person Birth Date	CR0100 - Person Birth Date
Sex			CR3170 - Person Stated Gender Code	CR3170 - Person Stated Gender Code
Hospital			pCR0800 - Organisation Identifier (of Reporting Pathologist)	pCR0800 - Organisation Identifier (of Reporting Pathologist)
Hospital no			CR0020 - Local Patient Identifier	CR0020 - Local Patient Identifier
NHS/CHI no		CHI number not recorded in COSD	CR0010 - NHS Number	CR0010 - NHS Number
Date of receipt			pCR0770 - Sample Receipt Date	pCR0770 - Sample Receipt Date
Date of reporting			pCR0780 - Investigation Result Date	pCR0780 - Investigation Result Date
Report no			pCR0950 - Service Report Identifier	pCR0950 - Service Report Identifier
Pathologist			pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)	pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)

			pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)	pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)
Surgeon			Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Side	Single selection value list:		*pCR0820 - Tumour Laterality (Pathological)*	*pCR0820 - Tumour Laterality (Pathological)*
	Left		L - Left	L - Left
	Right		R - Right	R - Right
	Not selected		9 - Not known	9 - Not known
Quadrant	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Upper outer quadrant			
	Lower outer quadrant			
	Upper inner quadrant			
	Lower inner quadrant			
	Retroareolar			
Number of cores	Integer		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Specimen type	Single selection value list:	If multiple specimen types are recorded within a single report, these would have to be recorded within *pCR1020 - Pathology Report Text*	*pCR0760 – Pathology Investigation Type (All values)*	*pCR0760 – Pathology Investigation Type (All values)*
	Needle core biopsy		BU (Biopsy NOS)	BU (Biopsy NOS)
	Vacuum-assisted excision biopsy		BU (Biopsy NOS)	BU (Biopsy NOS)
	Vacuum-assisted diagnostic biopsy		BU (Biopsy NOS)	BU (Biopsy NOS)
	Vacuum-assisted biopsy – not further specified		BU (Biopsy NOS)	BU (Biopsy NOS)

			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
Calcification present on specimen X-ray	**Single selection value list:**		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Yes			
	No			
	Radiograph not seen			
Histological opinion	**Single selection value list:**		***pBR4260 - Core Biopsy (Breast)***	***pBR4260 - Core Biopsy (Breast)***
	B1 (Normal)		B1 - Unsatisfactory/normal tissue only	B1 - Unsatisfactory/normal tissue only
	B2 (Benign)		B2 - Benign	B2 - Benign
	B3 (Uncertain malignant potential with epithelial atypia)		B3b - Uncertain malignant potential with epithelial atypia	B3b - Uncertain malignant potential with epithelial atypia
	B3 (Uncertain malignant potential without epithelial atypia)		B3a - Uncertain malignant potential without epithelial atypia	B3a - Uncertain malignant potential without epithelial atypia
	B4 (Suspicious)		B4 - Suspicious	B4 - Suspicious
	B5a (Malignant in situ)		B5a - Malignant (In situ)	B5a - Malignant (In situ)
	B5b (Malignant invasive)		B5b - Malignant (Invasive)	B5b - Malignant (Invasive)
	B5c (Malignant not assessable)		B5c - Malignant (Not assessable)	B5c - Malignant (Not assessable)
Histological calcification	**Single selection value list:**		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Not identified			
	Benign			
	Malignant			
	Both benign and malignant			
	Not applicable			
In situ carcinoma	**Multiple selection value list:**		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Not identified			

	Ductal		recorded within *pCR1020 - Pathology Report Text*	recorded within *pCR1020 - Pathology Report Text*
	Lobular			
DCIS grade	**Single selection value list:**	*Not applicable if 'In situ carcinoma' is 'Not identified' or 'Lobular' only.*	*pBR4160 - DCIS Grade*	*pBR4160 - DCIS Grade*
	High		H - High	H - High
	Intermediate		I - Intermediate	I - Intermediate
	Low		L - Low	L - Low
	Cannot be assessed		X - Not assessable (Cannot be assessed)	X - Not assessable (Cannot be assessed)
	Not applicable			
Invasive carcinoma	**Single selection value list:**		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Not identified			
	Present			
Type	**Single selection value list:**		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	No special type (ductal NST)			
	Pure special type (90% purity; specify components present below)			
	Mixed tumour type (50–90% special type component; specify components present below)			
	Other malignant tumour			
Type, Other – specify	Free text	*Only required if 'Type, Other' – Malignant tumour' is selected.*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Specify type component(s) present for pure special type and mixed tumour types	**Multiple selection value list:**		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Tubular/cribriform			
	Lobular			
	Mucinous			
	Medullary/atypical medullary			
	Ductal/no special type			

	Other			
Specify type component(s) present for pure special type and mixed tumour types, Other – specify	Free text	*Only required if 'Specify type component(s) present for pure special type and mixed tumour types, Other' is selected.*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Invasive carcinoma grade	Single selection value list:		*pCR0860 - Grade of Differentiation (Pathological)*	*pCR0860 - Grade of Differentiation (Pathological)*
	1		G1 - Well differentiated	G1 - Well differentiated
	2		G2 - Moderately differentiated	G2 - Moderately differentiated
	3		G3 - Poorly differentiated	G3 - Poorly differentiated
	Cannot be assessed		GX - Grade of differentiation is not appropriate or cannot be assessed	GX - Grade of differentiation is not appropriate or cannot be assessed
Oestrogen receptor status	Single selection value list:		*pBR4420 - ER Status*	*pBR4420 - ER Status*
	Positive		P - Positive (> or = 1%)	P - Positive (> or = 1%)
	Negative		N - Negative (<1%)	N - Negative (<1%)
	Not performed		X - Not performed	X - Not performed
Oestrogen receptor status, percentage positive tumour cells	Integer, range 0–100		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
On-slide positive control material	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Present			
	Absent			
HER2 IHC score	Single selection value list:		*pBR4280 - HER2 Status*	*pBR4280 - HER2 IHC Score*
	0		N1 - Negative (0)	N1 - Negative (0)
	1+		N2 - Negative (1+)	N2 - Negative (1+)
	2+		B - Borderline (2+)	B - Borderline (2+)
	3+		P - Positive (3+)	P - Positive (3+)
	Not performed		X - Not performed	P - Positive (3+)

FISH/CISH ratio	Number		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
FISH/CISH Status	Single selection value list:		*pBR4310 - HER2 ISH Status*	*pBR4310 - HER2 ISH Status*
	Amplified		P - Positive (Amplified)	P - Amplified
	Non-amplified		N - Negative (Non-amplified)	N - Non-amplified
	Borderline		B - Borderline	B - Borderline
	Not performed		X - Not performed	X - Not performed
HER2 copy no	Number		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Chromosome 17 no	Number		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
Final HER2 status	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*	Not in the COSD Pathology data set, although could be recorded within *pCR1020 - Pathology Report Text*
	Positive			
	Negative			
	Not performed			
Further comments	Free text		*pCR1020 - Pathology Report Text*	*pCR1020 - Pathology Report Text*
SNOMED topography code	T...	*May have multiple codes. Look up from SNOMED tables.*	*pCR6410 - Topography (SNOMED) Pathology* = T	*pCR6410 - Topography (SNOMED) Pathology* = T
SNOMED morphology code	M...	*May have multiple codes. Look up from SNOMED tables.*	*pCR6420 - Morphology (SNOMED) Pathology* = M	*pCR6420 - Morphology (SNOMED) Pathology* = M