

Freedom of Information Request: Our Reference CTMUHB_505_23

You asked:

I am writing to you under the Freedom of Information Act 2000 to request the following information from your organisation.

Please provide the above information for the five financial years ending 2021/22.

Please may you provide me with:

1. The number of MRI scans performed for the following, Central Nervous System

- Brain
- Spine
- Other Surrounding Tissue
- Whole Body
- Head & Neck
- Thorax, including Breast
- Abdomen, including Liver & Kidneys
- Pelvis, including Prostate
- Musculo-skeletal system
- Other
- Cardiac
- Angiography

Please see information provided in the table below. Please note due to separate reporting systems, the Princess of Wales Hospital data has been provided separate to the Royal Glamorgan /Prince Charles Hospitals.

Princess of Wales Hospital	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2022 Total
Row Labels						
MR CHOLANGIOPANCREATOGRAPHY	2	1				
MR HEAD				1		
MR HEAD WITH CONTRAST		1				
MR LEFT ANKLE	1					
MR PANCREAS			1			
MR VENOGRAPHY		1				
MRA Aorta abdominal	3	9	1	3	1	1
MRA Aorta thoracic	6	9	3	3		
MRA Aorta whole	5	4	13	2	5	1
MRA Carotid Both	6	7	6	1	3	
MRA Head	33	43	33	17	15	4
MRA Head with contrast	3	3	3	2	2	
MRA Iliac artery		2				
MRA Lower limb Both	5	16	7	6	12	5
MRA Neck	2		2	1	2	
MRA Neck with contrast		2	1	2	2	
MRA Renal and visceral			1	1		
MRA Renal Both	10	9	17	8	5	
MRA Upper limb Lt	1			1	1	
MRA Upper limb Rt	1					

MRCP	277	400	406	356	256	73
MRI Abdomen	36	55	33	26	31	6
MRI Abdomen and pelvis	61	60	70	53	62	18
MRI Abdomen and pelvis with contrast	6	24	18	13	10	3
MRI Abdomen with contrast	5	5	3	4	1	1
MRI Adrenal Both	24	18	28	15	6	
MRI Adrenal with contrast Both		1			1	
MRI Ankle Lt	58	79	92	65	40	16
MRI Ankle Rt	53	71	103	58	48	16
MRI Ankle with contrast Lt			1			
MRI Ankle with contrast Rt		1				
MRI Aorta thoracic with contrast	2	5	8	3	2	
MRI Arthrogram hip Lt	8	10	5	1	1	
MRI Arthrogram hip Rt	10	10	4	1	4	
MRI Arthrogram shoulder Lt	14	21	20	19	4	1
MRI Arthrogram shoulder Rt	22	30	29	17	7	1
MRI Arthrogram wrist Rt		1				
MRI Axilla Lt	1			3	5	
MRI Axilla Rt	1		3	5	4	
MRI Brachial plexus	15	11	8	25	9	6
MRI Brachial plexus with contrast	1		1			
MRI Brain and cervical cord	5	1	3	1		
MRI Brain volume	4	5	1	9		
MRI Brain volume with contrast		1	1			
MRI Breast Both	26	14	16	9	18	4
MRI Breast implant Both	4	4	1	1	2	2
MRI Breast Lt	12	16	9	10	3	
MRI Breast Rt	10	6	21	8	4	
MRI Breast with contrast Both	6	5	1	2	3	
MRI Breast with contrast Lt	1			2		
MRI Breast with contrast Rt				3		
MRI Buttock Lt	1			2	1	
MRI Buttock Rt				2	1	
MRI Calcaneus Lt	3	2	3	1		
MRI Calcaneus Rt	3	1	5	1	3	1
MRI Cardiac myocardial viability	3	3	2			
MRI Cardiac stress function study	26	35	50	21	3	
MRI Cardiac ventricular volume study	135	190	285	214	10	
MRI Cervix					1	
MRI Clavicle Both	1				1	
MRI Clavicle Lt	3	1	4			
MRI Clavicle Rt	1	2			2	
MRI Craniofacial	3	1		2		
MRI Craniofacial with contrast	1	3				
MRI Elbow Lt	13	12	18	6	7	
MRI Elbow Rt	12	16	21	7	5	4
MRI Face with contrast	2	14	4	2		
MRI Facial nerve	2	15	14	8	8	5
MRI Femur Lt	9	12	10	9	4	1

MRI Femur Rt	11	14	13	10	3	
MRI Femur with contrast Lt		1				
MRI Femur with contrast Rt		1				
MRI Fingers Lt	5	4	8	4	2	
MRI Fingers Rt	2	3	8	3	1	
MRI Floor of mouth	4	7	8	3	7	1
MRI Floor of mouth with contrast	1	2	3			
MRI Foot Lt	53	80	110	52	39	6
MRI Foot Rt	59	80	90	53	41	16
MRI Foot with contrast Lt	1	1	3			
MRI Foot with contrast Rt	1	1	1	2		
MRI Forearm Lt	4	3	1	4	2	
MRI Forearm Rt	6	3	4	2	2	1
MRI Forefoot Lt	1		1	2		
MRI Forefoot Rt		1	1	1	1	
MRI Groin Both	1	2	2	2	2	
MRI Groin Left	1	5	1	2	1	
MRI Groin Right		3	2	4	4	
MRI Hand Lt	5	4	7	6	12	2
MRI Hand Rt	4	10	11	7	5	2
MRI Head	1767	2363	2492	1914	1581	458
MRI Head with contrast	238	316	304	260	145	39
MRI Heart		1				
MRI Hip Both	15	24	39	15	15	4
MRI Hip Lt	36	80	81	48	36	16
MRI Hip Rt	63	84	104	53	49	9
MRI Hip with contrast Both			2			
MRI Hip with contrast Rt		1				
MRI IAM with contrast Both	27	23	26	15	11	4
MRI Internal auditory meatus Both	884	1044	958	432	162	56
MRI Knee Lt	385	512	532	360	239	85
MRI Knee Rt	419	558	579	373	291	94
MRI Knee with contrast Lt	1		3			
MRI Knee with contrast Rt		3		1		
MRI Liver	9	13	77	78	73	10
MRI Liver and spleen	126	189	152	120	102	36
MRI Liver with contrast	55	93	79	65	37	14
MRI Lower leg Both	1	3	2	3	3	
MRI Lower leg Lt	11	11	22	15	19	4
MRI Lower leg Rt	10	12	17	21	12	1
MRI Lower leg with contrast Lt			1		1	
MRI Lower leg with contrast Rt	1	1	1	1		
MRI Lumbar spine and pelvis	21	42	49	48	18	8
MRI Neck	76	145	166	126	100	26
MRI Neck with contrast	41	62	53	56	9	1
MRI Orbit Both	96	120	116	96	100	28
MRI Orbit with contrast Both	27	26	16	11	10	
MRI Pancreas	10	6	9	15	6	1
MRI Pancreas with contrast	6	26	25	28	27	2

MRI Parotid	3	1	3	2	2	1
MRI Pelvis	392	526	534	422	323	94
MRI Pelvis and hip Both	2	6	6	4	6	1
MRI Pelvis endocavity				4		
MRI Pelvis prostate	296	550	575	384	567	157
MRI Pelvis rectum	33	47	106	72	40	5
MRI Pelvis SIJ Both	63	89	96	51	25	14
MRI Pelvis with Contrast	51	61	40	40	13	12
MRI Penis			2			
MRI Perineum	1	6	14	25	18	2
MRI Pituitary	75	102	86	78	67	20
MRI Pituitary with contrast	30	54	63	34	18	6
MRI Post nasal space	2	12	14	4	2	1
MRI Posterior fossa	19	13	1	1		
MRI Posterior fossa with contrast	7	3	2	1		
MRI Prostate spectroscopy		1	1			
MRI Renal Both	19	27	25	23	21	4
MRI Scapula Lt		2	4		1	
MRI Scapula Rt		2	1	2	3	2
MRI Shoulder Lt	22	43	45	30	22	10
MRI Shoulder Rt	39	50	47	38	21	7
MRI Shoulder with contrast Rt		1				
MRI Sinuses	10	21	10	14	7	3
MRI Sinuses with contrast	2	8	5	1	2	
MRI Skull base		15	7	7	9	2
MRI Small bowel study	112	161	132	114	72	27
MRI Small bowel with contrast	3	7	8	5	2	1
MRI Spine cervical	627	873	905	657	445	145
MRI Spine cervical with contrast	14	22	9	10	10	
MRI Spine cervicothoracic		2	2	3	4	
MRI Spine lumbar	44	45	208	91	120	121
MRI Spine lumbar and sacral	1190	1644	1850	1197	836	251
MRI Spine lumbar sacral with contrast	33	31	45	20	11	4
MRI Spine sacrum	3	3	7	8	5	2
MRI Spine thoracic	205	269	292	191	165	39
MRI Spine thoracic with contrast	7	17	6	5	5	
MRI Spine thoracolumbar	12	27	33	23	22	2
MRI Spine whole	209	334	391	300	285	94
MRI Spine whole with contrast	14	13	17	21	7	4
MRI Sternoclavicular joint Both	2	3	1			
MRI Sternum		4	3	2	2	
MRI Temporal lobe	22	9	10	7	8	1
MRI Temporomandibular joint Both	20	27	14	9	6	1
MRI Temporomandibular joint Left	8	10	10	1	1	
MRI Temporomandibular joint Right	6	11	11	1		
MRI Thigh Left	7	23	26	9	3	3
MRI Thigh Right	7	19	25	13	7	2
MRI Thorax	9	14	13	11	13	4
MRI Thorax abdomen and pelvis			1			

MRI Thorax with contrast	2	1		2	1	
MRI Thumb Lt	2	5	4	3	4	
MRI Thumb Rt	6	8	11	4	1	
MRI Trigeminal nerve	14	13	10	13	4	2
MRI Trigeminal nerve with contrast	16	13	13	6	4	
MRI Upper arm Lt	4	3	5	6	4	1
MRI Upper arm Rt	3	8	7	13	8	1
MRI Urinary bladder			2			
MRI Urogram	6	11	2	1	5	
MRI Wrist Lt	62	93	84	51	52	14
MRI Wrist Rt	69	83	107	59	52	10
MRI Wrist with contrast Lt				1		
MRI Wrist with contrast Rt	1					
MRV Cerebral veins		3		5		1
MRV Cranial	8	12	14	6	3	1
MRV Pelvis				1	1	
MRV Venogram	2	10	7	6	4	1
Grand Total	9257	12722	13540	9455	7122	2166
Royal Glamorgan Hospital/Prince Charles Hospital	2017 Total	2018 Total	2019 Total	2020 Total	2021 Total	2022 Total
Row Labels						
MRA Aorta thoracic	1	1		1	1	1
MRA Carotid Both				2		
MRA Head	12	26	23	38	47	11
MRA Lower limb Both	39	62	78	39	78	15
MRA Mesenteric artery					1	
MRA Pulmonary arteries						1
MRA Renal and visceral	4	6	2			
MRA Renal Both	4	7	6	8	5	1
MRCP	424	642	721	665	818	190
MRI Abdomen	12	10	25	15	17	5
MRI Abdomen and pelvis	2	1	4	2	2	2
MRI Abdomen with contrast	228	331	378	205	274	78
MRI Achilles tendon Left	1					
MRI Adrenal Both	20	27	40	29	23	9
MRI Adrenal with contrast Both	4	4	3		1	1
MRI Anal sphincter	51	60	68	53	77	20
MRI Ankle Both			1			
MRI Ankle Lt	85	107	90	65	53	21
MRI Ankle Rt	74	113	103	64	54	20
MRI Ankle with contrast Lt	3	7	3	4	2	1
MRI Ankle with contrast Rt	5	8	8	1	1	2
MRI Arthrogram elbow Lt			1			
MRI Arthrogram elbow Rt			1			
MRI Arthrogram hip Lt	1	1	1	1		
MRI Arthrogram hip Rt	1	1				
MRI Arthrogram shoulder Lt	25	28	22	9	20	4
MRI Arthrogram shoulder Rt	32	50	41	19	18	5
MRI Arthrogram wrist Lt	4	2	2	1		

MRI Arthrogram wrist Rt			1			
MRI Axilla Lt		3		2	2	
MRI Axilla Rt		1	1			1
MRI Axilla with contrast Both						1
MRI Axilla with contrast Rt		1				
MRI Brachial plexus	12	35	38	19	19	7
MRI Breast Both	5	25	22	11	21	3
MRI Breast implant Both				4	3	
MRI Breast Lt				1	1	
MRI Breast Rt				1		
MRI Breast screening Both		1			9	2
MRI Breast with contrast Both	54	51	57	61	53	13
MRI Cardiac ventricular volume study	134	247	264	142	277	70
MRI Cerebrospinal fluid flow					2	
MRI Cervix	3	12	4	2	7	1
MRI Clavicle Lt		1	1		2	2
MRI Clavicle Rt	2	2	1	3		
MRI Elbow Lt	25	21	24	13	17	2
MRI Elbow Rt	22	29	35	17	22	4
MRI Elbow with contrast Rt	3	2			1	
MRI Face with contrast	3			2	3	1
MRI Femur Both	2	4	3	3	2	
MRI Femur Lt	23	19	26	40	30	5
MRI Femur Rt	19	26	24	15	27	14
MRI Femur with contrast Both		1				
MRI Femur with contrast Lt	3	5	1	1	1	
MRI Femur with contrast Rt		1	2	1	2	
MRI Fingers Lt	3	5	7		2	
MRI Fingers Rt	1	7	5	2	2	
MRI Foot Lt	64	83	84	55	69	16
MRI Foot Rt	49	79	79	57	67	18
MRI Foot with contrast Lt	63	87	63	47	50	16
MRI Foot with contrast Rt	49	86	71	79	66	24
MRI Forearm Both	1	1				
MRI Forearm Lt	5	5	6	11	3	
MRI Forearm Rt	1	5	4	1	1	3
MRI Forearm with contrast Lt		3	1	1		
MRI Forearm with contrast Rt	1	2	3			
MRI Groin Both	3	1	4	2		
MRI Groin Left	2	3	13	3		2
MRI Groin Right	7	5	10	3	5	1
MRI Hand Lt	3	6	4	1	3	
MRI Hand Rt	2	4	7	3	4	1
MRI Hand with contrast Lt	3	2	2		1	1
MRI Hand with contrast Rt		1	3	1	2	
MRI Head	1223	1860	1826	1362	1666	403
MRI Head with contrast	276	385	435	366	385	110
MRI Heart with contrast						1
MRI Hip Both	16	13	14	4	4	1

MRI Hip Lt	110	147	177	96	88	34
MRI Hip Rt	122	168	199	96	95	41
MRI Hip with contrast Lt		1	2	4		2
MRI Hip with contrast Rt			1			
MRI IAM with contrast Both	35	30	57	33	31	4
MRI Internal auditory meatus Both	553	1123	1018	510	443	185
MRI Knee Both	9					
MRI Knee Lt	710	1066	1100	586	539	157
MRI Knee Rt	768	1124	1144	620	531	153
MRI Knee with contrast Lt	1	2	1	1	2	
MRI Knee with contrast Rt	3		5	2		1
MRI Liver and spleen	2	10	14	31	45	1
MRI Liver with contrast	217	383	419	359	432	119
MRI Liverand spleen with contrast			1	1	3	1
MRI Lower leg Both	1	9	9	4	2	3
MRI Lower leg Lt	13	22	31	19	15	6
MRI Lower leg Rt	20	19	33	17	31	7
MRI Lower leg with contrast Both	1	1		1	2	
MRI Lower leg with contrast Lt	2	4	1	4		
MRI Lower leg with contrast Rt	4	5	3	4		
MRI Neck	12	15	14	9	17	8
MRI Neck with contrast	155	238	197	224	230	53
MRI Orbit Both	77	131	48	50	50	17
MRI Orbit with contrast Both	18	24	15	32	33	7
MRI Pancreas	16	54	66	33	41	12
MRI Pancreas with contrast			26	52	83	25
MRI Pelvis	142	186	172	94	109	36
MRI Pelvis and hip Both	110	121	158	116	130	45
MRI Pelvis bladder	59	94	79	96	95	20
MRI Pelvis gynaecological	420	446	360	260	307	80
MRI Pelvis obstetric			1			
MRI Pelvis prostate	587	653	500	154	67	28
MRI Pelvis prostate with contrast	7	284	452	607	678	169
MRI Pelvis rectum	89	129	169	146	184	53
MRI Pelvis SIJ Both	130	236	291	167	162	61
MRI Pelvis with contrast	15	11	12	8	10	2
MRI Penis	13	25	34	22	20	8
MRI Perineum	6	55	87	77	80	18
MRI Pituitary	13	55	76	57	72	34
MRI Pituitary with contrast	150	162	162	124	74	19
MRI Renal Both	7	10	14	11	23	2
MRI Renal with contrast Both					2	1
MRI Rib	1		2		1	
MRI Scaphoid Left		31	145	113	104	36
MRI Scaphoid Right		41	131	113	109	30
MRI Scapula Both					1	
MRI Scapula Lt	1	1	2		1	
MRI Scapula Rt		3	2	2	2	
MRI Scrotum	1	1	2	1	1	1

MRI Shoulder Both			1			
MRI Shoulder Lt	60	82	81	55	51	20
MRI Shoulder Rt	80	88	98	56	79	24
MRI Shoulder with contrast Lt			1	3	1	
MRI Shoulder with contrast Rt	1					
MRI Sinuses				1	2	
MRI Sinuses with contrast	9	16	11	5	10	3
MRI Soft tissue limb						2
MRI Spinal cord	1	1	1			
MRI Spinal cord with contrast				1		
MRI Spine cervical	685	1173	1105	715	696	237
MRI Spine cervical with contrast	18	6	17	7	17	6
MRI Spine lumbar and sacral	1562	2429	2346	1584	1647	522
MRI Spine lumbar sacral with contrast	17	27	20	14	12	5
MRI Spine sacrum	14	11	21	9	10	3
MRI Spine thoracic	197	237	280	163	179	64
MRI Spine thoracic lumbar with contrast		2	1			
MRI Spine thoracic with contrast	7	4	8	6	6	3
MRI Spine whole	491	821	906	666	743	233
MRI Spine whole with contrast	12	22	25	11	28	3
MRI Sternum	1	4	4	6		2
MRI Temporal lobe	34	35	29	32	48	17
MRI Temporomandibular joint Both	52	65	47	42	32	12
MRI Temporomandibular joint Left	1	2				
MRI Temporomandibular joint Right	2				1	
MRI Thigh Both	1	13	3	8	4	1
MRI Thigh Left	5	18	17	16	20	7
MRI Thigh Right	8	20	24	11	21	2
MRI Thigh with contrast Both					1	
MRI Thigh with contrast Left	1	2	4	3	1	
MRI Thigh with contrast Right	1	1	3	3	4	1
MRI Thorax	9	17	31	19	31	9
MRI Thumb Lt	1	6	6	1		
MRI Thumb Rt		1	5		2	1
MRI Trigeminal nerve	34	52	48	41	43	13
MRI Upper arm Both	1	1		1		
MRI Upper arm Lt	5	21	17	8	19	1
MRI Upper arm Rt	9	20	19	10	20	4
MRI Upper arm with contrast Lt		3	1	1	1	1
MRI Upper arm with contrast Rt	2	1	3	1		
MRI Whole body	4	16	19	3	2	1
MRI Wrist Lt	97	106	61	37	29	7
MRI Wrist Rt	106	124	95	60	31	9
MRI Wrist with contrast Lt		1				1
MRI Wrist with contrast Rt				1	1	
MRV Cranial	9	9	11	11	8	1
MRV Iliac vein Both	3		2	1	1	
Grand Total	11254	17201	17569	12125	13069	3804

2. The number of MRI scans for the above listed investigations using a macrocyclic gadolinium contrast agent(s)

We can confirm that the Health Board does not centrally record this information. The information you require would be recorded within an individual patient's health record as part of their ongoing care. To provide you with this information, would require a manual trawl and significantly exceed the 18 hours time and £450 cost limit set out within Section 12 of the Freedom of Information Act.

3. The average number of doses of a macrocyclic gadolinium contrast agent(s) per scan

Please see response to question 2.

4. The number of rescans, which are performed due to the outcome of a poor-quality image when using a macrocyclic gadolinium contrast agent in the initial scan.

Please see response to question 2.

5. The number of rereports required due to the outcome of a poor-quality image when using a macrocyclic gadolinium contrast agent in the initial scan.

Please see response to question 2.