HSSA | Health Services Support Agency

Radiology Services Profile

2011-2012

Queensland Government

Document details

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Document purpose

This document has been produced for use by the Department of Health and should not be provided to external organisations without the approval of the Chief Executive HSSA.

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APPENDICES

Executive Summary

The Queensland Health Radiology Services Profile 2011-12 is presented in three parts:

- Part A contains the findings of the Radiology Support Workload – Workforce Survey 2011-12 and summarises the information collected from 128 Medical Imaging (MI) sites across Queensland Health;
- Part B outlines the statewide services and strategies delivered in 2011-12 and includes a summary of achievements since 2006;
- Part C includes the results of a stakeholder survey undertaken in 2012 as part of the development of the Diagnostic Imaging Strategy.

This is the fourth year where a 100% response rate to the survey has been achieved, allowing comparisons to be made with 2010-11, 2009-10 and 2008-09 data. This year the Clinical Services Capability Framework (CSCF) is used to categorise services in order to facilitate benchmarking.

There has been a 5% increase in medical imaging examinations over the past year with an overall increase of 11% since 2008-09. Comparisons over four years have demonstrated a steady increase in examination numbers for both Computed Tomography (CT: 22%) and Magnetic Resonance Imaging (MRI: 30%).

2011-12 data has shown that 100% of the 128 sites are now able to provide a radiology report. The number of sites with access to reporting has significantly increased over the last four years from 59% in 2008-09, to 65% in 2009-10 and 91% in 2010-11. As a result, reporting rates have increased steadily since 2008-09 (79%), 2009-10 (83%), 2010-11 (87%) and 2011-12 (89%).

Of these 128 sites, 63% are reporting 100% of their images with 88% reporting more than 50% compared to 2008-09 when 23% were reporting 100% and 47% reporting more than 50%.

The ability to meet the reporting turnaround benchmark of >=80% of reports available within 24 hours has improved since 2008-09, when only 8 sites (6%) were able to meet this requirement, to 2011-12 with 34 sites (27%) meeting the criterion.

Radiologist FTEs have increased by 29% since 2008-09 (62.45 to 80.65) while radiology registrar FTEs have increased 65% (48.00 to 79.23). The radiologist vacancy rate for 2011-12 was 4% (8% in 2008-09, 16% in 2009-10 and 11% in 2010-11). The decline in the number of examinations reported by public hospital employed radiologists over the past three years (64% to 50%) has been somewhat reversed, with an increase this year to 53%. There has also been a corresponding decrease in the number of examinations reported by private providers (46% to 42%).

Medical Radiation Professional (MRP) FTEs have increased by 22% (630.09 to 771.12) in four years. The vacancy rate amongst MRPs was of major concern with early figures from 2006-07 showing a total vacancy rate of 19.6%. The implementation of specific strategies aimed at addressing this problem has seen this rate decrease to 4.5% in 2011-12.

However, concerns have been raised about the increasing sonographer vacancy rate which in 2011-12 was 9%. Although the actual FTE vacancy numbers are low, recruitment processes repeatedly fail to attract these professionals to the public hospital system.

QH MI facilities continue to provide a significant amount of workforce training. As stated above, radiology registrar numbers increased by 65% to 79 FTE; while trainee sonographers increased by 24% to 25.5 FTE. 54 graduate radiographers were employed under the National Professional Development Program (NPDP) and 397 MRP students attended for clinical placement across 18 facilities.

99 (77%) MI sites are wholly or partially supported in General X-ray acquisition by hospital employed X-ray operators emphasising the importance of this role in the rural and remote areas.

In 2011-12, Phase 1 of the Radiology Informatics Program was completed with 97 facilities using QRiS and 64 connected to the Enterprise PACS. As of 30 June 2012 there are 1,590,914 studies and 212,057,030 images stored in Enterprise PACS, increases of 25% and 44%, respectively since 2010-11.

157,496 reports were delivered to Queensland Health facilities by private radiology partners via the External Radiology Reporting Interface (ERRI).

125 medical imaging locations achieved compliance with the standards of the Diagnostic Imaging Accreditation Scheme (DIAS), mandatory for access to Medicare funding.

Local Diagnostic Reference Levels (DRLs) were established for CT examinations and shielding protocols were developed for paediatric radiography. Both provide a means to ensure the radiation dose received by patients is As Low As Reasonably Achievable (The ALARA Principle).

A statewide medical imaging request form was endorsed for use by Queensland Health facilities and will inform the future requirements for radiology electronic orders entry.

$52.25 million was collected in radiology own source revenue by Districts, supported by the Diagnostic Ownsource Revenue Initiative (DORI).

The Statewide Medical Imaging Support Service (SMISS) received a total of 180 requests for radiographer relief from which 162 (90%) occasions of service were able to be provided. SMISS also provided Introductory Training for a total of 52 new X-ray operators from 35 rural and remote locations.

The radiologist register was merged with the Office of Rural and Remote Health Credentialing Database thus providing statewide access to the credentialing status of all radiologists (public and private) working for Queensland Health.

The Teleradiography Project successfully trialled video-conference supervision of X-ray operators thus improving support for rural and remote medical imaging services. The project found a statistically significant increase in all aspects of image quality as well as being able to reduce the travel burden for rural and remote staff. The X-ray Operator Services Policy was finalised and establishes a standardised approach to the training and support of X-ray Operators across QH.

The development of a Diagnostic Imaging Strategy commenced in February 2012 with significant stakeholder engagement including a survey with 389 responses (refer to Part C of this report) and 14 group workshops with 170 attendees.

Background

The Radiology Support Branch was established in 2006 following a recommendation in the 2005 Health Systems Review to, '*Establish a statewide radiology service network to provide radiology coverage across Queensland Health*' (Forster 2005, p. 161).

The radiology reform agenda has been led by Radiology Support with oversight by the Queensland Health Imaging Program (QHIP) Steering Committee (formally the Radiology Reform Steering Committee). The aim of the QHIP is to facilitate access for all Queenslanders to safe, sustainable and appropriate imaging services in order to improve their health care.

Data surveys of medical imaging workloads, image reporting statistics, workforce numbers and vacancy rates have been conducted in various ways over a number of years to inform clinical and District planning processes as well as to monitor service improvements.

Introduction

Since 2006, Radiology Support has been involved in the implementation of a number of statewide services and strategies aimed at improving radiology services in Queensland Health. To monitor the effectiveness of such programs the yearly Radiology Survey collects relevant data from all QH medical imaging sites. With 100% response rates since 2008-09, there are now four years of data available.

Report Format

The Queensland Health Radiology Services Profile 2011-12 is presented in two parts:

Part A

This section contains the findings of the Radiology Support Workload – Workforce Survey 2011-12 and summarises the information collected from the Medical Imaging sites for the year. Where applicable, comparisons have been made with 2010-11, 2009-10 and 2008-09 data. This has provided a means whereby previously identified issues can be monitored for progress and measured against the effectiveness of implemented strategies.

Part B

This section outlines the statewide services and strategies delivered in 2011-12 and includes a summary of achievements since 2006.

Part C

This section includes the results of a survey undertaken as part of the stakeholder engagement for the development of the Diagnostic Imaging Strategy.

Acknowledgements

This report is made possible by the data contributions of Queensland Health and private sector medical imaging staff across all facilities.

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Collaboration with the following stakeholders has been an integral part of the radiology reform process and the following groups are acknowledged for their contributions: Queensland Health medical imaging staff, Health Services Purchasing and Logistics (HSPL), Statewide Telehealth, Radiology Informatics Program (RIP), Information Division, Medical Workforce Unit, Allied Health Workforce Advice and Coordination Unit (AHWACU), Allied Health Clinical Education and Training Unit (AHCETU), Patient Safety and Quality Improvement Service and the Centre for Healthcare Improvement.

PART A: RADIOLOGY WORKLOAD – WORKFORCE SURVEY 2011-12

1: Survey Questionnaire

The 2011-12 survey form was distributed in July 2012 and all responses were received by the first week in September.

The same basic one page format was used again this year with several additions and wording changes, including:

- Workload B: Examination Numbers by Patient Type; the Patient Numbers column was changed to Attendance Numbers where the attendance number is the times a patient utilises an individual modality during a single attendance.
- Workload C: Examination Reporting; addition of reporting numbers for fracture and dental clinics.
- Workforce A: Employed by Imaging Facility; FTE numbers for non-clinical radiographers (e.g. MI Directors) as a separate entry.
- Workforce C: Miscellaneous; addition of percentage of radiographer/sonographer FTEs dedicated to ultrasound.
- Clinical Services Capability Framework (CSCF Level) request for each facility to record their CSCF level as based on a brief description of that facility's services.

As per last year's survey, in order to simplify the form for smaller sites, two colour codes were used for data entry – green only for X-ray operator sites, and both green and blue for all facilities employing one or more radiographers.

Copies of the 2011-12 and 2010-11 survey forms are at Appendix 1 and 2 respectively.

2: Site Information

There are 128 Medical Imaging (MI) sites across 17 Queensland Health Service Districts reporting data in this year's survey (2011-12) as compared to 131 sites from 17 Districts last year.

The X-ray facility at Wondai Hospital has been decommissioned and is not represented. Additionally, data was not provided for examinations performed at the Queensland Tuberculosis Control Centre (QTBCC) or the Royal Brisbane and Women's Hospital (RBWH) Nuclear Medicine Department. Where four year comparisons are made in this report, past information from these sites has not been included or represented in the Appendices.

Mt Isa Hospital had problems with supplying accurate data this year due to a mid-year change in their information system. It was agreed that examination figures from 2010-11 plus a 10 %

increase would be a reasonable indication of the facility's workload. No other data was able to be provided from this site.

Data was received from the Mater Adults and Mater Children's Hospitals this year and has been published for the first time with the data included separately in the Appendices.

The new Queensland Health Hospital and Health Service (HHS) structure did not commence until 1 July 2012 and therefore has not been used to categorise the 2011-12 survey results. The one change that has been made is changing the Mt Isa District name to North West.

Of the 128 medical imaging sites providing survey data, three continue to be run entirely by private providers; Caboolture, Mt Isa and Queen Elizabeth II (QEII) Hospitals. Caboolture and QEII participated in the survey providing both workload and workforce data. The problems Mt Isa experienced with their information system has been mentioned above.

Table 1: Distribution of medical imaging sites

District	Number of Sites	
	2010-11	2011-12
QTBCC	1	
Cairns and Hinterland	10	10
Cape York	8	8
Central Queensland	12	12
Central West	11	11
Children's Health Services	1	1
Darling Downs	19	18
Gold Coast	2	2
Mackay	8	8
Metro North	6	5
Metro South	6	6
North West	6	6
South West	12	12
Sunshine Coast	3	3
Torres Strait – Northern Peninsula	4	4
Townsville	7	7
West Moreton	5	5
Wide Bay	10	10
TOTAL	**131**	**128**

A full list of sites used in this report can be seen at Appendix 3.

2.1 Services provided

The Clinical Services Capability Framework version 3.0 (CSCF) was released in March 2011, and has been used for the first time in this year's survey. In the past, to compare data from previous years, classification based on modality mix was used. This year all data from this and previous years, has been transitioned across to the CSCF classification, however where applicable, comparisons using modality mix have also been included.

Table 2: Brief explanation of CSCF levels

CSCF Level	Brief Explanation	Modalities on Site
Level 1	The service involves a single, mobile or fixed general X-ray unit and is predominantly delivered by X-ray Operators (XO).	X-ray (XO)
Level 2	This service is predominantly delivered by a sole radiographer (Rad) with support provided by X-ray Operators. Access to ultrasound for non-complex conditions or an outreach service may be available.	X-ray (Rad)
Level 3	As above plus ultrasound services available for more complex conditions and imaging is undertaken by a sonographer (Sono). A CT service may be available off-site and provided by arrangement with another facility.	X-ray, US (Sono)
Level 4	As above plus CT services are provided on-site. 24 hour access to a radiologist to interpret/report on CT images.	X-ray, US, CT
Level 5	As above plus some high level interventional radiology services. MRI services may be provided onsite or within another level 5 site. This level excludes provision of neurological interventional procedures.	X-ray, US, CT, MRI excl Neuro Interventional
Level 6	As above plus this service provides complex, on-site interventional and neuro-interventional procedures and on-site MRI services.	X-ray, US, CT, MRI incl Neuro Interventional

The majority of MI facilities (62% of the 128 QH sites in 2011-12) provide only one modality, general X-ray. These are mostly in rural and remote hospitals serviced by X-ray operators or, in some cases, by sole radiographers assisted by X-ray operators and fall into CSCF levels 1 and 2.

Regional facilities that have a sonographer on site (e.g. Longreach, Cooktown and Gladstone) offer ultrasound (US) services as well as general X-ray and are classified as CSCF level 3. Larger sites in metropolitan and provincial areas are categorised as CSCF levels 4-6 depending on their range of modalities.

The tables and figures below show site numbers by both CSCF level and modality mix. As information by CSCF level was only requested in this year's survey, an estimate of each site's CSCF level has been made for the preceding 3 surveys for comparison.

This year, Robina Hospital has moved from CSCF level 4 to level 5 with the commencement of MRI.

Table 3: Site numbers by CSCF level

CSCF Level	Site Numbers							
	2008-09		2009-10		2010-11		2011-12	
Level 1	77	60%	77	60%	77	59%	77	59%
Level 2	18	14%	18	14%	17	13%	15	12%
Level 3	10	8%	9	7%	10	8%	12	8%
Level 4	14	11%	13	10%	13	9%	11	10%
Level 5	6	5%	8	8%	8	8%	10	8%
Level 6	3	2%	3	3%	3	2%	3	2%
Total	**128**		**128**		**128**		**128**	

Table 4: Site numbers by modalities provided

Modalities Provided	Site Numbers							
	2008-09		2009-10		2010-11		2011-2012	
General X-ray only	85	67%	88	70%	84	66%	80	62%
X-ray, Ultrasound	21	16%	16	12%	20	15%	23	17%
X-ray, Ultrasound, CT	3	2%	5	4%	3	2%	4	3%
Various excl. MRI	10	8%	8	5%	10	8%	9	7%
Most incl. MRI	9	7%	11	9%	11	8%	12	11%
Total	**128**		**128**		**128**		**128**	

Figure 1: Sites categorised by CSCF level

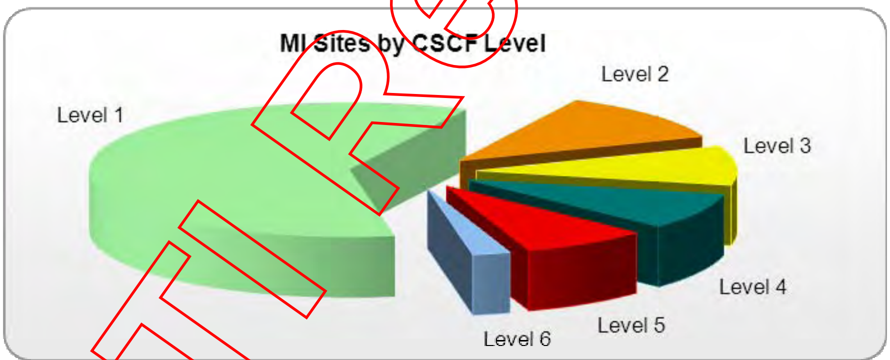
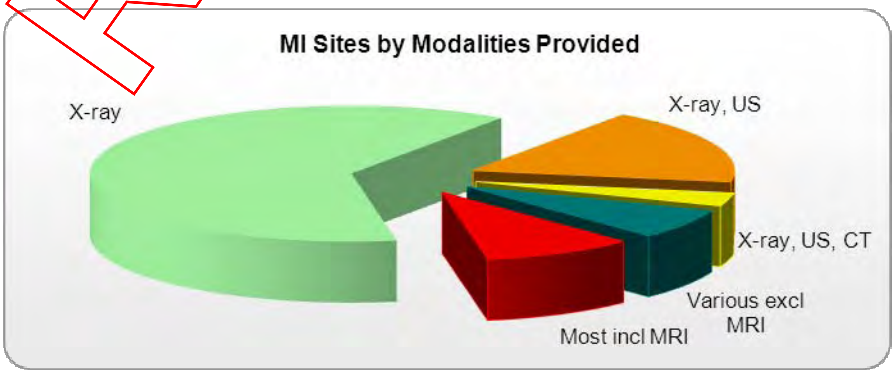


Figure 2: Sites categorised by modalities provided



Services provided at each site can be seen at Appendix 3.

2.2 *Staffing profile*

The 128 sites can be divided into six categories based around the staffing composition. The majority of the sites (60%) are in rural and remote hospitals where the service is provided by hospital employed X-ray operators. These operators are not specifically employed in the MI department but hold other positions within the hospital and are called on as needed to take X-rays. In the next largest category (17%), one or two radiographers (or radiographer/sonographers) are partially supported by X-ray operators.

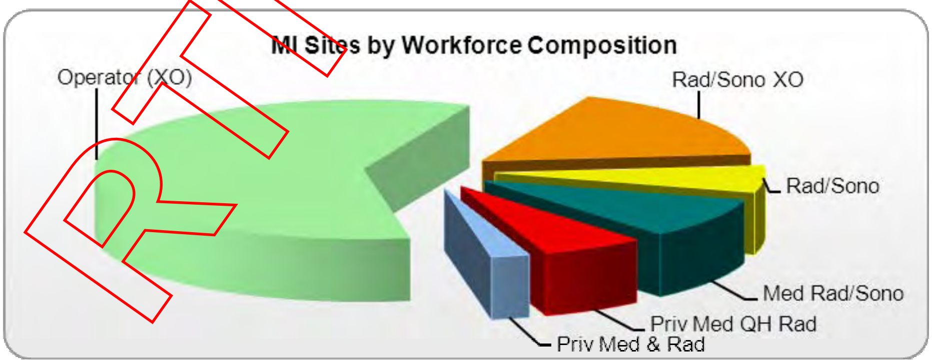
The importance of X-ray operators in providing support to radiology services in Queensland Hospitals is emphasised when it is realised that 99 MI sites (77%) are supported by X-ray operators.

There are a number of arrangements for utilising radiologists within MI. Ten sites have publically employed radiologists; however in some sites the radiologists' role has been contracted out to a private provider. Three QH MI sites (QEII, Caboolture and Mt Isa) are completely staffed by private providers as mentioned previously.

Table 5: Site numbers by workforce composition

Workforce Composition	Site Numbers	
X-Ray Operator (XO) only	77	60%
Radiographer/Sonographer and XO (Rad/Sono XO)	22	17%
Radiographer/Sonographer (Rad/Sono)	8	6%
QH Radiologist/s Radiographers/Sonographers (Med Rad/Sono)	10	8%
Private Radiologist/s QH Rad/Sonographers (Priv Med QH Rad)	8	6%
Private Radiologists and Radiographers (Priv Med & Rad)	3	2%
Total	**128**	

Figure 3: Sites categorised by workforce composition (Key in Table 3)



Details on workforce composition at each site can be seen at Appendix 11.

3: Workload Information

3.1 Examination numbers

The CSCF Level 1 and 2 MI sites providing only general X-ray services comprise 72% of the total number of sites while performing only 5% of the number of examinations. Ten of these 92 sites performed less than 50 examinations per year.

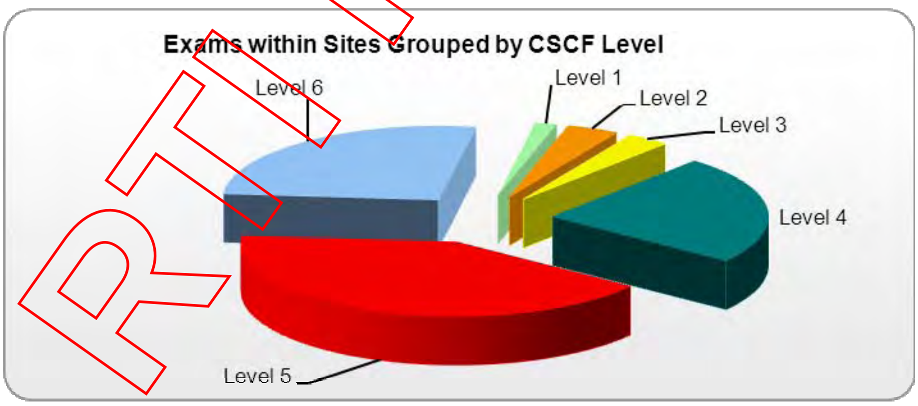
Sites at CSCF levels 5 and 6 cover 10% of the sites and provide 69% of the total examinations performed. The two largest sites perform 21% of the total workload with PAH performing >200,000 and RBWH >195,000 examinations (excludes RBWH Nuclear Medicine). TPCH recorded >100,000 examinations for the third consecutive year, and Townsville Hospital recorded >100,000 examinations for the second time.

Examination numbers at each site can be seen at Appendix 3.

Table 6: Examinations by CSCF level of sites

CSCF level	Site Numbers		Exam Numbers	
Level 1	77	60%	29,706	1.7%
Level 2	15	12%	59,091	3.4%
Level 3	12	9%	69,269	3.9%
Level 4	11	9%	377,326	21.4%
Level 5	10	8%	730,143	41.4%
Level 6	3	2%	496,818	28.2%
Total	**128**		**1,762,353**	

Figure 4: Examinations within sites grouped by CSCF level



3.2 Workload comparisons over four years

There has been a state-wide workload increase of 5% over the last two years and 11% over the last four years. Workloads in the CSCF level 1 and 2 sites have decreased by an average of 13% while the number of sites in these levels has fallen only by 3% (95 to 92).

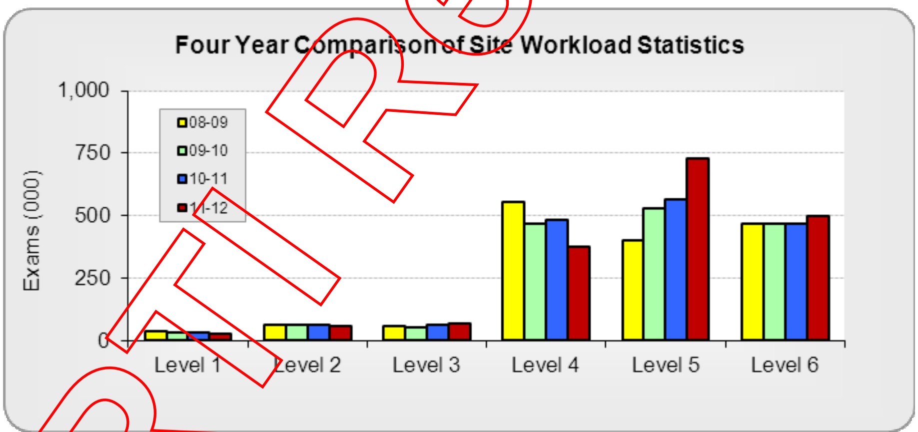
The Queensland Radiology Information System (QRiS) was implemented in 13 sites in 2011-12 bringing the total number of sites using the system to 97 (note that this is now reduced to 96 with the closing of the X-ray service at Wondai). The majority of these are Level 1 and 2 sites where a change in the method of counting examinations may account for some change in workload.

The largest increase in workload can be seen in Level 5 sites with an 82% increase over four years. This is mainly due to a change in CSCF level for some sites with the acquisition of MRI in Cairns, Rockhampton and Robina; and, the high level of interventional procedures provided onsite at Redcliffe. As these sites were all previously designated at level 4, the corresponding decrease in workload at this level is to be expected.

Table 7: Four year workload comparisons across CSCF level of sites

CSCF Level	Examination Numbers				% Increase 11→12	% Increase 09→12
	08-09	09-10	10-11	11-12		
Level 1	37,011	31,192	31,299	29,706	-5%	-20%
Level 2	65,173	63,875	64,615	59,091	-9%	-9%
Level 3	57,878	52,576	62,891	69,269	10%	20%
Level 4	554,876	465,386	483,768	377,326	-22%	-32%
Level 5	401,875	528,377	562,930	730,143	30%	82%
Level 6	465,330	469,589	469,412	496,818	6%	7%
Total	**1,582,143**	**1,610,995**	**1,674,915**	**1,762,353**	**5%**	**11%**

Figure 5: Workload comparisons by CSCF level of sites

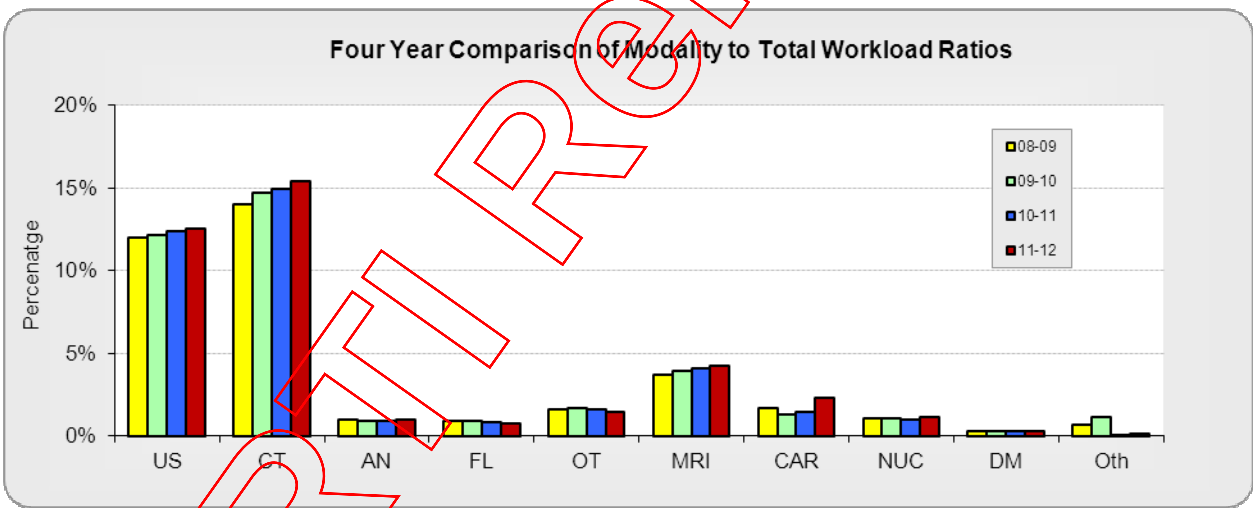


Although the largest increase in examination numbers over the four years is in Cardiac Procedures, most of these are reported by the Cardiology Departments. In 2011-12 only 2% were reported within an MI facility. Of more significance within radiology is the steady increase in CT and MRI examination numbers. The addition of a separate entry for mobile X-rays on the survey forms for the last two years has seen a substantial decrease in the "Other" category.

Table 8: Four year workload comparisons by modality

Modality	Examination Numbers				% Increase 11→12	% Increase 09→12
	08-09	09-10	10-11	11-12		
General X-Ray (incl mobile)	999,272	996,772	1,046,154	1,068,603	2%	7%
Ultrasound (US)	189,754	196,102	207,702	220,624	6%	16%
Computed Tomography (CT)	221,917	237,317	249,845	271,097	9%	22%
Angio/Interventional (AN)	15,600	15,069	15,563	17,630	13%	13%
Fluoro-Special Procedures (FL)	14,300	15,256	13,484	13,309	-1%	-7%
Operating Theatre (OT)	25,343	27,310	26,620	26,114	-2%	3%
Magnetic Resonance Imaging (MRI)	58,140	63,095	68,890	75,477	10%	30%
Cardiac Procedures (CAR)	26,808	21,059	24,129	40,159	66%	50%
Nuclear Med. + BMD (NUC)	16,613	16,852	16,659	20,066	20%	21%
Positron Emission Tomography (NUC)				1,576		
Diagnostic Mammography (DM)	4,044	4,313	4,649	4,744	2%	17%
Other (Oth)	10,352	17,850	1,220	2,954	142%	-71%
Totals	**1,582,143**	**1,610,995**	**1,674,915**	**1,762,353**	**5%**	**11%**

Figure 6: Workload comparisons by modality numbers (X-ray omitted) (Key in Table 8)



Again by comparing the ratio of each modality to the total workload figures over four years, it can be seen that US, along with the more complex procedures (CT and MRI) are steadily increasing in relation to other modalities.

This factor together with an increase in overall examination numbers demonstrate a growing demand for both routine and complex medical imaging examinations across Queensland Health.

Table 9: Four year comparisons of modality examinations to total workload ratios

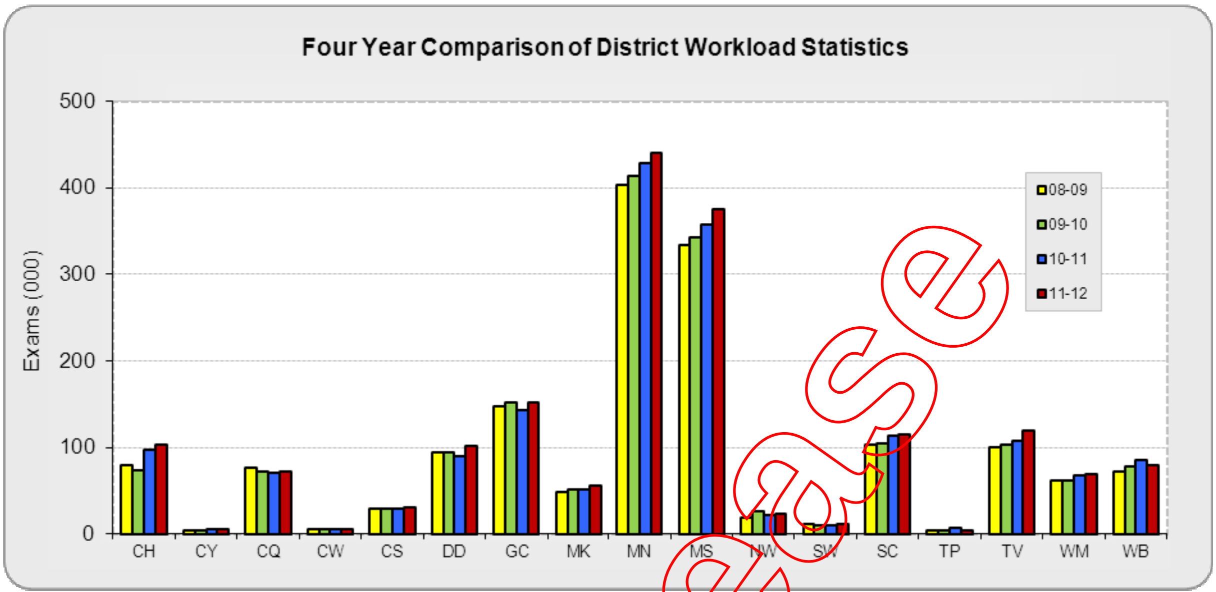
Modality	Modality as a percentage of total workload				% Increase over four years
	08-09	09-10	10-11	11-12	
General X-Ray (incl mobile)	63.2%	61.9%	62.5%	60.6%	-3%
Ultrasound (US)	12.0%	12.2%	12.4%	12.5%	0.5%
Computed Tomography (CT)	14.0%	14.7%	14.9%	15.4%	1.4%
Angio/Interventional (AN)	1.0%	0.9%	0.9%	1.0%	0%
Fluoro-Special Procedures (FL)	0.9%	0.9%	0.8%	0.8%	0%
Operating Theatre (OT)	1.6%	1.7%	1.6%	1.5%	0%
Magnetic Resonance Imaging (MRI)	3.7%	3.9%	4.1%	4.3%	0.6%
Cardiac Procedures (CAR)	1.7%	1.3%	1.4%	2.3%	0.6%
Nuclear Med. + BMD (NUC)	1.1%	1.0%	1.0%	1.1%	0%
Positron Emission Tomography (PET)	0	0	0	0.1%	0%
Diagnostic Mammography (DM)	0.3%	0.3%	0.3%	0.3%	0%
Other (Oth)	0.7%	1.1%	0.1%	0.2%	0%
Totals	**100.20%**	**100%**	**100.00%**	**100.10%**	

Table 10: Four year workload comparisons across Districts

District	Examination Numbers				% Increase 11→12	% Increase 09→12
	08-09	09-10	10-11	11-12		
Cairns and Hinterland (CH)	79,184	73,533	97,253	103,448	6%	31%
Cape York (CY)	4,102	4,588	5,245	6,083	16%	48%
Central Queensland (CQ)	76,982	71,903	70,289	72,569	3%	-6%
Central West (CW)	5,481	5,021	5,380	5,634	5%	3%
Children's Health Services (CS)	29,547	29,071	28,782	30,254	5%	2%
Darling Downs (DD)	94,282	94,612	89,990	101,393	13%	8%
Gold Coast (GC)	147,257	151,039	143,229	152,227	6%	3%
Mackay (MK)	48,780	51,539	51,628	55,240	7%	13%
Metro North (MN)	391,421	400,185	414,539	440,110	6%	12%
Metro South (MS)	334,374	343,095	356,677	374,610	5%	12%
North West (NW)	18,916	25,719	21,113	22,861	8%	21%
South West (SW)	11,613	9,261	10,331	11,740	14%	1%
Sunshine Coast (SC)	103,409	104,994	112,600	115,284	2%	11%
Torres Strait - Nth Pen. (TP)	4,313	4,322	7,412	4,613	-38%	7%
Townsville (TV)	100,214	102,804	107,912	118,826	10%	19%
West Moreton (WM)	60,855	61,875	67,423	68,391	1%	12%
Wide Bay (WB)	71,413	77,434	85,112	79,070	-7%	11%
Totals	**1,582,143**	**1,610,995**	**1,674,915**	**1,762,353**	**5%**	**11%**

All except one of the 17 Districts have had a steady increase in workload demand over the past four years. Central Queensland is down slightly over the four year period although there has been an increase since 2010-11. The increase in workload for Torres Strait and Northern Peninsula in 2010-11 may be the result of QRiS implementation and manual counting methods occuring simultaneously.

Figure 7: Workload comparisons by District (Key in Table 10 above)



Individual site information of total examinations for the four year comparisons is provided at Appendix 3.

Individual site information of examinations by modality for 2011-12 is shown at Appendix 4.

3.3 Fully outsourced (off-site) examinations

A fully outsourced examination is defined as a study where both the imaging acquisition and report are performed off-site by an external provider.

The number of sites able to identify outsourced examinations and costs remains the same as last year with only 19 (54%) of the 35 respondents able to report costs. However there was an 85% increase in these costs corresponding to an increase in the number of more expensive examinations (e.g. MRI) being outsourced. With $5.4 million able to be identified by 19 sites, a rough extrapolation would indicate that almost $10 million is being expended on off-site outsourcing.

Even though many sites experienced difficulties with this part of the survey, the fact that it has been able to identify nearly $5.5 million expended on outsourcing in 2011-12 makes it worthwhile continuing to record this information.

The following table summarises the information received for the past four years.

Table 11: Outsourced examinations

	2008-09	2009-10	2010-11	2011-12
Sites providing outsourcing information	22	28	35	35
Total outsourced examinations	27,279	31,446	41,361	39,718
Sites providing costs for outsourcing	13	15	19	19
Cost of outsourced exams	$3,244,527	$3,141,728	$3,425,439	$5,438,095
Modality exams outsourced:				
X-ray	842	2,571	8,890	1,749
Ultrasound	6,534	10,763	9,096	11,445
CT	3,462	5,517	5,177	6,029
Angio/fluoro procedures		871	3,518	805
MRI	2,416	4,497	5,605	9,249
Cardiac	1,076	1,863	982	1,475
Nuclear medicine	1,728	2,642	6,523	7,776
PET		845	40	188
Mammography	231	976	1,267	999
Other	550	901	263	3

3.4 Equipment units

Again this year, the survey form included a request for numbers of equipment units for each modality. Information was obtained from 92 sites (72%). Rather than following up with non-responding sites, in these instances last year's equipment numbers have been used as it could be assumed that there would be little chance of unidentified major equipment changes.

Table 12: Equipment unit numbers across modalities

Modality	Number of Equipment Units	
	2010-11	2011-12
General X-Ray	160	162
Mobile X-Ray	145	144
Ultrasound	103	105
Computed Tomography	32	33
Angio/Interventional	14	15
Fluoro/Special Procedures	18	17
Operating Theatre	59	61
MRI	13	15
Cardiac Procedures	13	15
Nuclear Medicine	8	9
Bone Mass densitometry	2	2
Mammography	5	7
Total	**572**	**585**

Major equipment acquisitions since 2010-11 have been the installation of MRI at Robina and a second MRI installed at TPCH. Townsville has obtained a second CT Scanner during the year.

Individual facility equipment data is shown at Appendix 5.

4: Examination and Patient Numbers by Patient Type

The number of MI sites able to classify their examinations and/or patients by patient type (emergency, public, private, outpatient and inpatient) has risen this year to 120. Some facilities were able to provide both examination and patient details while others could provide just one dataset.

Eight facilities were unable to provide patient type data. These were mostly rural or remote area facilities where access to such information is difficult. The three privately operated sites did not provide private patient details.

At the 75 sites providing patient classification data, there has been a significant increase in identification of private status numbers.

Tables 13 and 14 demonstrate the overall increases across the State based on the survey information.

Table 13: Examination numbers by patient classification

	2008-09		2009-10		2010-11		2011-12	
Sites providing data	91 (128)	71%	92 (128)	72%	100 (128)	78%	116 (128)	91%
Patient Classification	Exam Numbers	% of ID'd Exams	Exam Numbers	% of ID'd Exams	Exam Numbers	% of ID'd Exams	Exam Numbers	% of ID'd Exams
Emergency	308,352	27%	379,936	33%	513,722	45%	552,742	49%
Public outpatient	452,669	40%	440,532	39%	520,119	46%	451,599	40%
Public inpatient	298,438	26%	357,455	32%	401,073	35%	377,743	33%
Private outpatient	58,365	5%	105,584	9%	111,881	10%	167,925	15%
Private inpatient	16,637	1%	19,396	2%	32,343	3%	61,566	5%
Total	**1,134,461**		**1,302,903**		**1,579,138**		**1,611,575**	
Public (+emerg'cy)	1,0594,59	93%	1,177,923	90%	1,434,914	91%	1,382,084	86%
Private	75,002	7%	124,980	10%	144,224	9%	229,491	14%
Increase in private exams identified over three/four years				**67%**		**15%**		**59%**
% of total exams performed identified by patient classification		**72%**		**81%**		**94%**		**91%**

Table 14: Patient numbers by patient classification

	2008-09		2009-10		2010-11		2011-12	
Sites providing data	74 (128)	58%	76 (128)	59%	72 (128)	56%	73 (128)	57%
Patient Classification	**Patient Numbers**	**% of Total**	**Patient Numbers**	**% of Total**	**Patient Numbers**	**% of Total**	**Patient Numbers**	**% of Total**
Emergency	204,239	18%	246,444	22%	294,220	26%	326,813	29%
Public outpatient	316,796	28%	343,319	30%	281,204	25%	265,066	23%
Public inpatient	228,857	20%	263,444	23%	241,309	21%	229,175	20%
Private outpatient	38,720	3%	69,436	6%	67,124	6%	94,476	8%
Private inpatient	9,779	1%	11,224	1%	18,246	2%	30,747	3%
Total	**798,391**		**933,867**		**902,103**		**946,277**	
Public (+emerg'cy)	749,892	94%	853,207	91%	816,733	91%	821,055	87%
Private	48,499	6%	80,660	9%	85,370	9%	125,223	13%
Increase in private patients identified over three/four years				**66%**		**6%**		**47%**

Tables 15, 16 and 17, together with Figures 8, 9 and 10 show four year District comparisons of examination and patient classification data and the increases in private examinations and private patient identifications.

*Table 15: Four year District comparisons of private to total patient-identified **examination** ratios*

District	Private to Total Patient-identified Examination Rates			
	08-09	**09-10**	**10-11**	**11-12**
Cairns and Hinterland (CH)	7%	1%	17%	30%
Cape York (CY)	11%	25%	19%	26%
Central Queensland (CQ)	4%	9%	7%	11%
Central West (CW)	33%	36%	22%	36%
Children's Health Services (CS)	36%	41%	41%	45%
Darling Downs (DD)	6%	8%	8%	23%
Gold Coast (GC)	0%	0%	7%	19%
Mackay (MK)	19%	50%	18%	40%
Metro North (MN)	7%	10%	11%	6%
Metro South (MS)	4%	4%	4%	5%
North West (NW)	23%	27%	3%	17%
South West (SW)	45%	26%	14%	26%
Sunshine Coast (SC)	8%	9%	14%	16%
Torres Strait – Northern Pen. (TP)	0%	0%	0%	0%
Townsville (TV)	6%	9%	9%	19%
West Moreton (WM)	2%	2%	3%	3%
Wide Bay (WB)	1%	24%	3%	27%
Total for Districts	**7%**	**10%**	**9%**	**15%**

Figure 8: Identified private exams compared to total patient identified exams (Key in Table15)

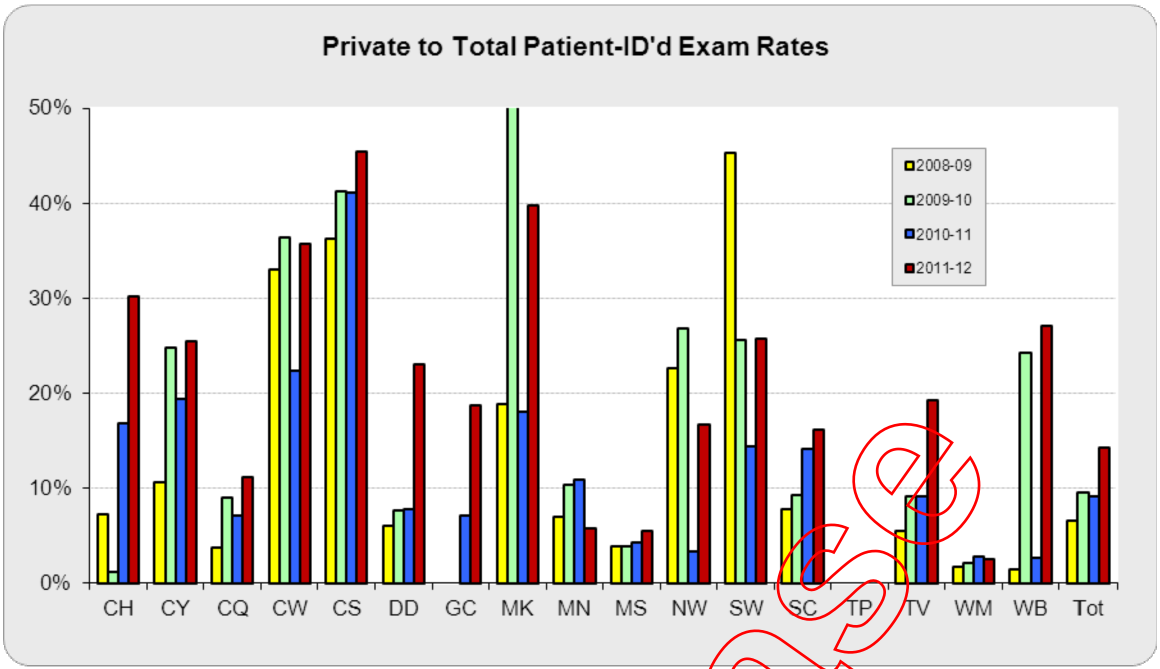


*Table 16: Four year District comparisons of private to total patient-identified **patient** ratios*

District	Private to Total Patient-identified Patient Rates			
	08-09	09-10	10-11	11-12
Cairns and Hinterland	5%	9%	19%	29%
Cape York	0%	12%	0%	25%
Central Queensland	1%	2%	9%	10%
Central West	39%	23%	53%	36%
Children's Health Services	0%	0%	0%	0%
Darling Downs	9%	7%	26%	26%
Gold Coast	0%	0%	7%	19%
Mackay	15%	15%	0%	0%
Metro North	6%	10%	8%	11%
Metro South	4%	5%	5%	8%
North West	0%	29%	36%	0%
South West	37%	23%	15%	32%
Sunshine Coast	6%	7%	18%	15%
Torres Strait – Northern Pen.	0%	0%	0%	0%
Townsville	10%	10%	10%	18%
West Moreton	2%	2%	3%	3%
Wide Bay	1%	24%	2%	26%
Total for Districts	**6%**	**9%**	**9%**	**15%**

Figure 9: Identified private patients compared to total patients identified (Key in Table15)

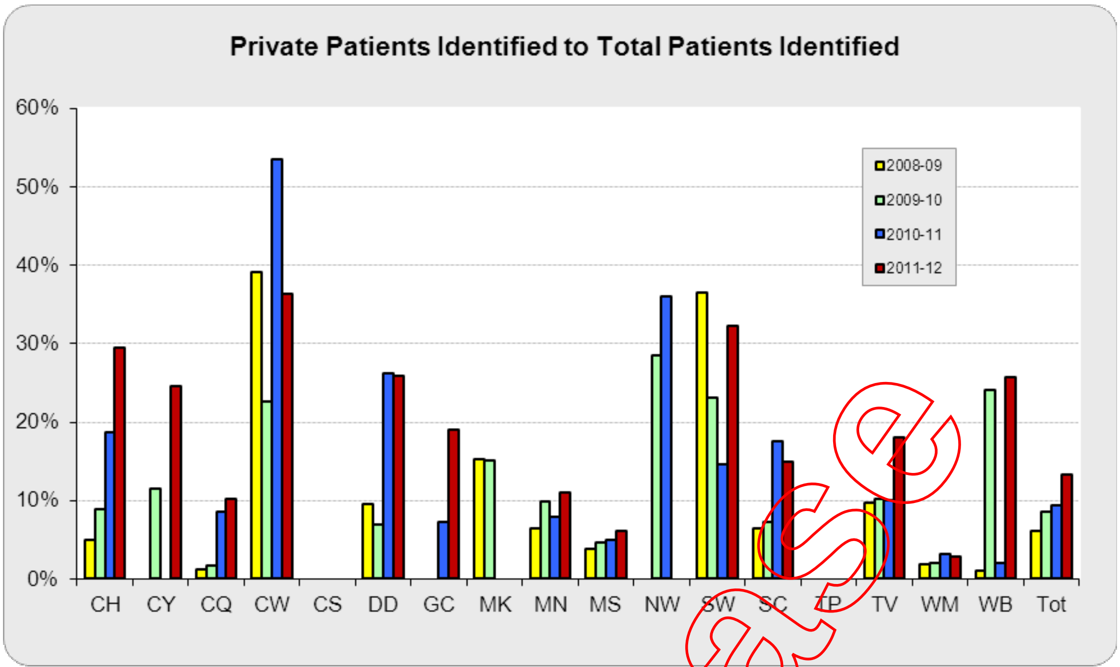
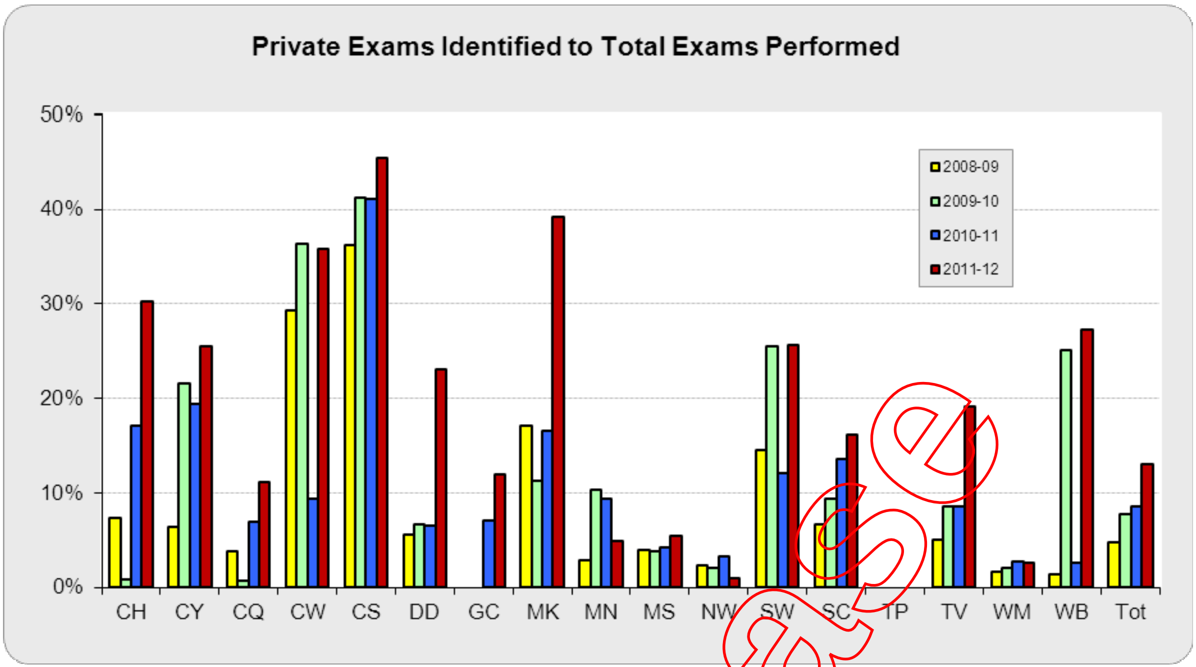


Table 17: Four year comparisons of ***private examinations to total examinations performed***

District	Private to Total Examinations Performed			
	08-09	09-10	10-11	11-12
Cairns and Hinterland (CH)	7%	1%	17%	30%
Cape York (CY)	6%	22%	19%	26%
Central Queensland (CQ)	4%	1%	7%	11%
Central West (CW)	29%	36%	9%	36%
Children's Health Services (CS)	36%	41%	41%	45%
Darling Downs (DD)	6%	7%	7%	23%
Gold Coast (GC)	0%	0%	7%	12%
Mackay (MK)	17%	11%	17%	39%
Metro North (MN)	3%	10%	9%	5%
Metro South (MS)	4%	4%	4%	9%
North West (NW)	2%	2%	3%	1%
South West (SW)	15%	26%	12%	26%
Sunshine Coast (SC)	7%	9%	14%	16%
Torres Strait – Northern Pen. (TP)	0%	0%	0%	0%
Townsville (TV)	5%	9%	9%	19%
West Moreton (WM)	2%	2%	3%	3%
Wide Bay (WB)	1%	25%	3%	27%
Total	**5%**	**8%**	**9%**	**13%**

Figure 10: Four year comparisons of private examinations to total examinations performed



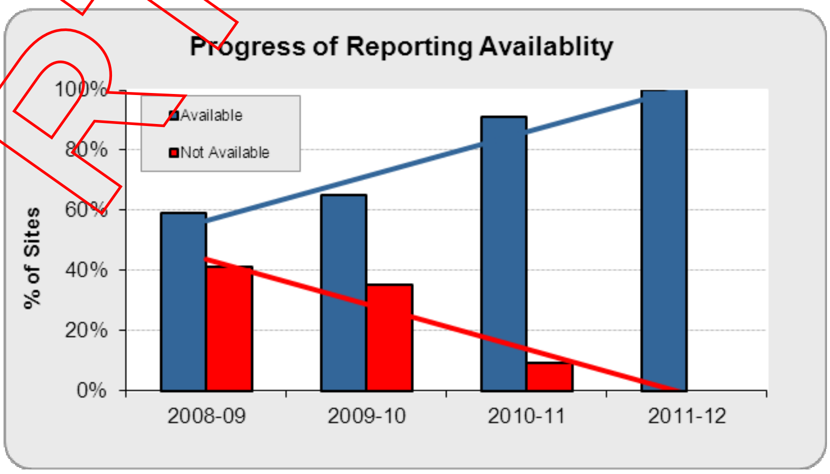
Further information on patient classification data is shown at Appendix 6.

5: Image Reporting

All Queensland Health Medical Imaging sites now have the ability to provide radiology reports on their examinations either onsite or offsite. Three sites were unable to provide actual reported numbers this year: Gatton, Boigu and Sabai Islands (from April 2012).

The trend predicted in the 2010-11 report of 100% reporting availability is now a reality as demonstrated in the figure below.

Figure 11: Four year comparison of reporting availability



5.1 *Reporting providers*

Reporting by a radiologist can be done publicly either onsite or offsite at another QH hospital, or by a private provider, either onsite or offsite. Reporting data provided indicates that:

- 33 facilities use QH radiologists, onsite, offsite or a mixture of both;
- 64 use a private provider;
- 31 have a mixture of both public and private with a variety of onsite and offsite reporting;

Table 18: Reporting status

Reporting	2008-09		2009-10		2010-11		2011-12	
	Site Nos	Rate	Site Nos	Rate	Site Nos	Rate	Site Nos	Rate
Available	76	59%	83	65%	116	91%	128	100%
Not available	52	41%	45	35%	12	9%	0	0%
Public radiologist/s	23	18%	26	20%	35	27%	33	26%
Private radiologist/s	39	30%	49	38%	66	52%	64	50%
Public & priv. radiologist/s	15	12%	7	5%	12	9%	31	24%
General practitioner only					3	2%	0	0%

Changes in the use of reporting providers since the 2010-11 report can be summarised as follows:

- 19 additional sites are now using both public and private providers
- 6 of the new reporting sites have public reporting
- 6 of the new sites have private providers
- 8 sites have added public reporting to the original private provider only (mainly Darling Downs District)
- 3 sites with general practitioner only reporting in 2010-11 have changed to radiologist reporting (one private and two public).

There are a number of sites where a proportion of images are reported by a sonographer, cardiologist, or general practitioner in rural and remote sites. There are also some examinations for dental and fracture clinics where dentists / medical specialists provide their own image interpretation.

Table 19: Other reporting processes

Reported by	2010-11		2011-12	
	Number of Sites	Number of Exams	Number of Sites	Number of Exams
Sonographer	10	36,646	8	22,930
General practitioner	14	7,536	6	2,754
Cardiology department	9	22,520	8	38,258
Dental/fracture clinic	2	1,008	4	13,781
Total Examinations		67,710		**77,723**

The decline in the number of examinations reported by public hospital employed radiologists over the past three years (64% to 50%) has been somewhat reversed, with an increase this year to 53%. There has also been a corresponding decrease in the number of examinations reported by private providers (46% to 42%). The addition of reporting numbers for fracture and dental clinics in the examination reporting section of the survey form increased the ability of sites to include these examinations.

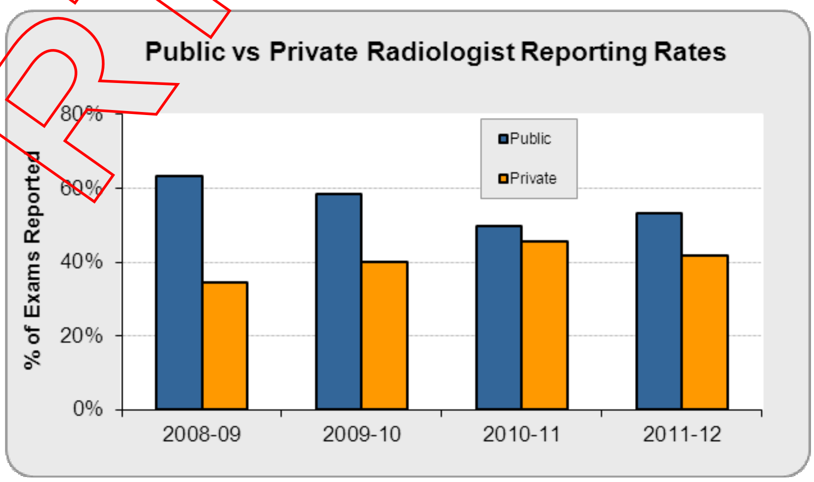
The rates in the table and figure below are the percentage of reports completed by the provider compared to the number of total reports (different to examinations performed comparisons).

Table 20: Reporting methodologies

Reported By	2008-09		2009-10		2010-11		2011-12	
	Reported Exams	Report-ing Rate	Reported Exams	Report-ing Rate	Reported Exams	Report-ing Rate	Reported Exams	Report-ing Rate
Radiologist								
Public onsite	737,490	58%	735,687	54%	659,756	45%	762,049	49%
Public offsite	70,768	5%	57,169	4%	66,547	5%	70,806	5%
Total public	**808,258**	**64%**	**792,856**	**58%**	**726,303**	**50%**	**832,855**	**53%**
Private onsite	230,210	18%	235,520	17%	390,522	27%	347,999	22%
Private offsite	210,987	17%	308,951	23%	279,291	19%	307,471	20%
Total private	**441,197**	**34%**	**544,471**	**40%**	**669,813**	**46%**	**655,470**	**42%**
Non-radiologist								
Cardiologist	25,212	2%	20,431	2%	22,520	1.5%	30,258	2.4%
Sonographer*					36,646	2.5%	22,930	1.5%
General pract'ner*					7,536	0.5%	2,754	0.2%
Dent/fract clinic*					1,008	0.1%	13,781	0.9%
Total reported	**1,274,667**		**1,357,758**		**1,463,826**		**1,566,048**	

** Not included in questionnaires prior to 2010-11*

Figure 12: Four year comparison of public vs private radiologist reporting rates



5.2 District reporting rates

Reporting across Districts has continued to improve steadily since 2008-09. Taking the changing District structure into account over that time, the number of Districts reporting over 90% of their images has risen from six in 2008-09, to thirteen in 2011-12.

Central West District, with the lowest reporting rate in 2009-10 (25%), is now reporting 97.9% of its examinations. This improvement is due to the implementation of QRiS across all sites in the District in conjunction with the establishment of a private partnership for reporting services.

Cape York District has continued to improve in its overall reporting rate with 99.2% of its images now being reported through a partnership with the Townsville MI facility.

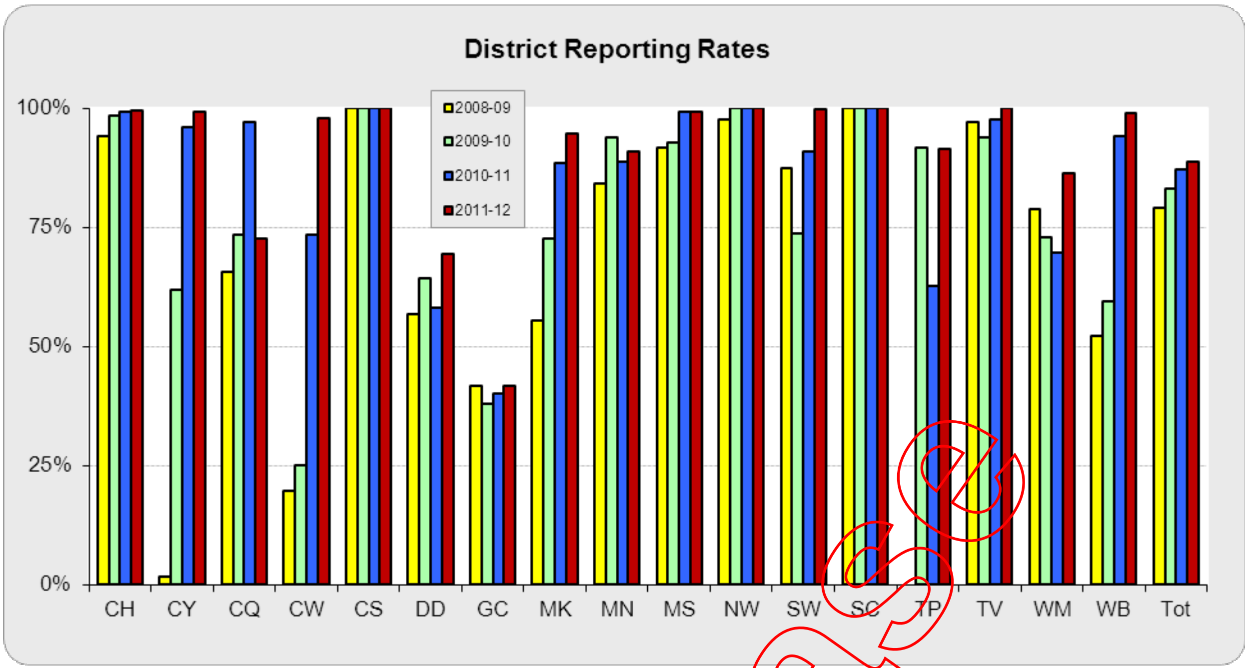
The Darling Downs District has reversed its decline in reported numbers and is now reporting 69.5% of images (up from 58.1% last year). Toowoomba MI is providing some off-site reporting across the District with private providers being used in 10 of the 18 sites.

Reporting in the Gold Coast District continues to lag behind all other Districts with only 41.8% of images being reported. However this is a 2% increase on last year across both District sites.

Table 21: Four year comparisons of District reporting rates

District	Reporting Rates			
	08-09	09-10	10-11	11-12
Cairns and Hinterland (CH)	94%	98%	99%	99%
Cape York (CY)	2%	62%	96%	99%
Central Queensland (CQ)	66%	74%	97%	73%
Central West (CW)	20%	25%	73%	98%
Children's Health Services (CS)	100%	100%	100%	100%
Darling Downs (DD)	57%	64%	58%	69%
Gold Coast (GC)	42%	38%	40%	42%
Mackay (MK)	55%	73%	89%	95%
Metro North (MN)	84%	94%	89%	91%
Metro South (MS)	92%	93%	99%	99%
North West (NW)	98%	100%	100%	100%
South West (SW)	87%	74%	91%	100%
Sunshine Coast (SC)	100%	100%	100%	100%
Torres Strait – Northern Pen. (TS)	0%	92%	63%	91%
Townsville (TV)	97%	94%	98%	100%
West Moreton (WM)	79%	73%	70%	86%
Wide Bay (WB)	52%	59%	94%	99%
Total for Districts	**79%**	**83%**	**87%**	**89%**

Figure 13: Four year comparison of District reporting rates (Key is in Table 21 above)



More detailed information of reporting within each District is shown at Appendix 7.

5.3 Site reporting rates

This year, reporting capabilities across sites were classified by both CSCF level and modality mix and compared to the preceding years' data in both formats.

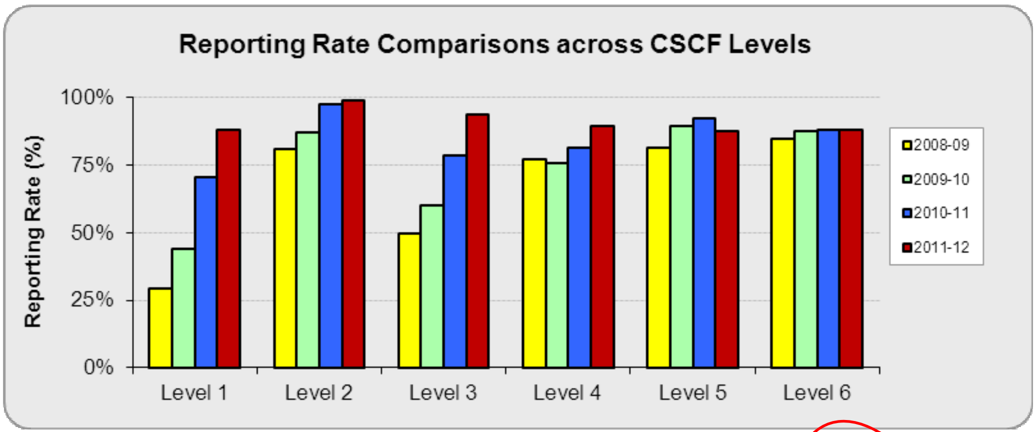
Within the 115 sites at CSCF level 1, 2, 3 and 4, the reporting rate has increased from 72% to 91% over the four years with the largest increase being in Level 1 (29% to 88%). The decrease in the reporting rate in the 10 Level 5 sites is due to the low reporting rate at Robina (36%) after the reclassification of this site to level 5.

The three Level 6 sites remain steady at 88% even though PAH and RBWH have reporting rates of 100% and 98% respectively. Gold Coast has improved slightly (43% to 45%) but is still reporting less than half their examinations.

Table 22: Four year comparisons of site reporting rates by CSCF level

CSCF level	Reporting Rate			
	2008-09	2009-10	2010-11	2011-12
Level 1	29%	44%	71%	88%
Level 2	81%	87%	97%	99%
Level 3	49%	60%	78%	94%
Level 4	77%	76%	81%	90%
Level 5	81%	90%	92%	88%
Level 6	85%	88%	88%	88%

Figure 14: Four year comparison of reporting across CSCF levels

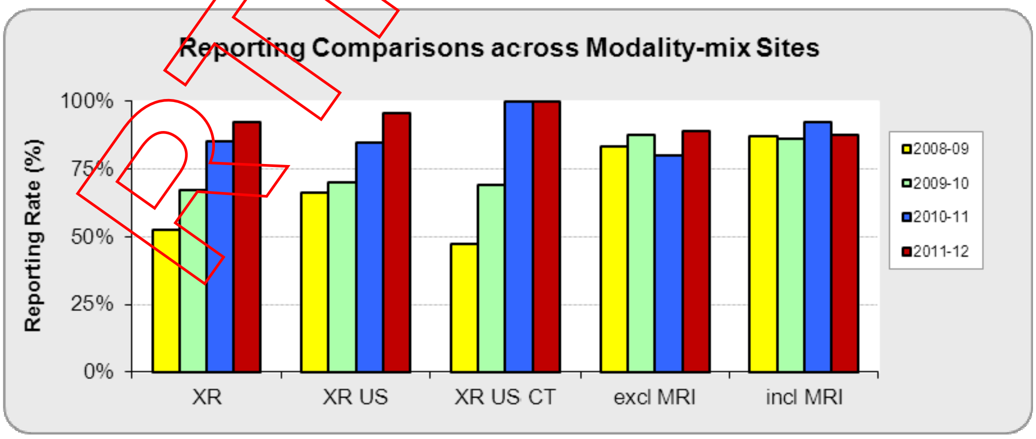


Reporting rates have risen this year in three of the five applicable modality mix groups (as mentioned previously, RBWH Nuclear Medicine was not included this year). Sites which include MRI showed a slight drop to 88% from 92%, and sites with X-ray, US and CT remained steady at 100% reporting. Based on modality mix the two smallest groups have now reached >90% of images reported for the first time.

Table 23: Four year comparisons of site reporting rates by modality mix

Modality Mix	Reporting Rate			
	2008-09	2009-10	2010-11	2011-12
Sites with X-ray only	52%	67%	85%	92%
Sites with X-ray, US	66%	70%	85%	95%
Sites with X-ray, US, CT	47%	69%	100%	100%
Sites – other except MRI	83%	88%	80%	89%
Sites including MRI	87%	86%	92%	88%

Figure 15: Four year comparison of reporting across modality mix sites



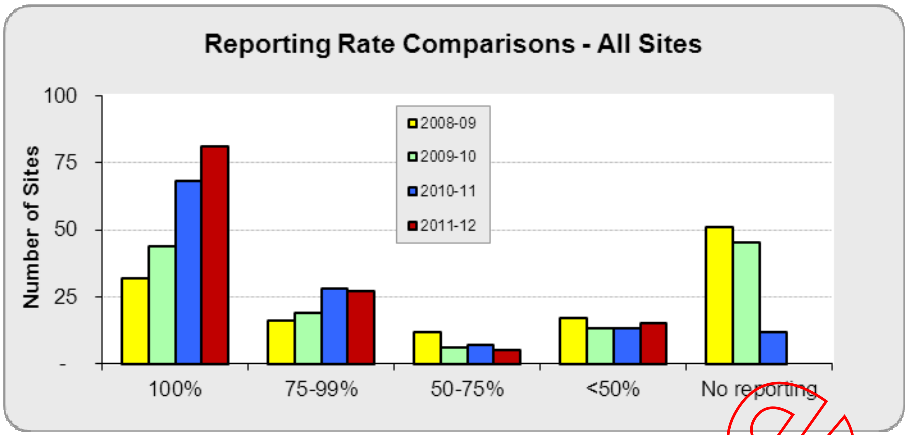
Within the 115 sites at CSCF level 1, 2, 3 and 4, there has been a 40% increase in reporting capability over the last four years. However, even though all sites now have reporting available, not all examinations are being reported. Of the 15 sites reporting less than 50% of their examinations, 12 are Level 1 sites in the Darling Downs and Torres Districts; Kingaroy (Level 3) has 45%; Robina (Level 5) has 36% and Gold Coast Hospital (Level 6) has 45% reporting.

Table 24: Breakdown of reporting rates across sites by CSCF level

CSCF level	Year	No. of sites	Reporting availability		Reporting rates				No reporting available
			Nos.	Rate	100%	75-99%	50-75%	<50%	
Level 1	08-09	77	30	39%	16	1	4	9	47
	09-10	77	33	43%	22	4	1	6	44
	10-11	77	65	84%	45	9	2	9	12
	11-12	77	77	100%	51	12	2	12	0
Level 2	08-09	18	17	94%	7	5	3	2	1
	09-10	18	18	100%	8	7	1	1	0
	10-11	17	17	100%	9	8	0	0	0
	11-12	15	15	100%	11	4	0	0	0
Level 3	08-09	10	7	70%	2	1	0	3	3
	09-10	9	8	89%	4	1	1	3	1
	10-11	10	10	100%	3	3	2	2	0
	11-12	12	12	100%	7	4	0	1	0
Level 4	08-09	14	14	100%	3	4	4	1	0
	09-10	12	12	100%	6	2	2	2	0
	10-11	13	13	100%	6	4	2	0	0
	11-12	11	11	100%	6	4	2	0	0
Level 5	08-09	8	7	88%	3	5	1	1	1
	09-10	10	9	90%	3	5	1	0	1
	10-11	10	9	90%	3	5	1	1	1
	11-12	10	10	100%	5	2	2	1	0
Level 6	08-09	3	3	100%	1	1	0	1	0
	09-10	3	3	100%	1	1	0	1	0
	10-11	3	3	100%	2	0	0	1	0
	11-12	3	3	100%	1	1	0	1	0
Totals	**08-09**	**128**	**77**	**60%**	**32**	**16**	**12**	**17**	**51**
	09-10	**128**	**82**	**64%**	**44**	**19**	**6**	**13**	**45**
	10-11	**128**	**116**	**91%**	**68**	**28**	**7**	**13**	**12**
	11-12	**128**	**128**	**100%**	**81**	**27**	**5**	**15**	**0**

The table above and the following graph demonstrate the marked improvement in the overall reporting rates over the past four years. Of the 128 sites, 88% are now reporting more than 50% of their images compared to 47% in 2008-09. The number of sites with no reporting at all has dropped from 40% to 0% in the same period.

Figure 16: Four year comparison of reporting rates across all sites



Individual site reporting rates are at Appendix 7.

5.4 *Private outsourced reporting*

Information regarding outsourced reporting, the private provider's name and an estimated cost for the service has been requested on the survey forms for the past four years. No significant change was seen in the first two years but from 2010-11 when standard imaging partnership contracts for accessing reporting services were embedded across 9 Districts the rate of change has been substantial. There have been increases of 39% and 20% over the past two years respectively in sites utilising private outsourced reporting with a 73% increase since 2008-09 (55 to 95).

Less than half the sites (45%) using private reporting were able to provide an estimate of the service cost with only $17.5 million identified, indicating that the total cost for the services may be in excess of $30 million.

Table 25: Four year comparisons of private reporting

Private Reporting	2008-09	2009-10	2010-11	2011-12
Sites with private reporting	55	57	79	95
Sites supplying provider's name	49	50	56	73
Sites supplying reporting costs	26	21	32	43
Reported costs - private reporting	$10,617,758	$12,617,758	$13,501,531	$17,477,726

5.5 *Report turnaround times*

The Queensland Health Policy for the Provision of Diagnostic Imaging Reports states that a report should be obtained within a "clinically appropriate timeframe". The Australian Council on Healthcare Standards (ACHS) in the Clinical Indicator User Manual 2012 has stated as a rationale: "If a radiological study is to have any impact on patient management, it should be available to the referring doctor within 24 hours".

In the previous three years of the radiology survey within QH, the concept of 80% of reports being received within 24 hours has been used as the benchmark for “a clinically appropriate timeframe”. For the purpose of providing suitable comparisons across the four year study, 80% remains as the benchmark for 2011-12.

Of the 128 sites in the survey, 114 (89%) were able to provide information on their 24 hour turnaround time capabilities. The other 14 sites were all rural or remote X-ray operator sites where this information is often difficult to obtain.

The number of reports completed within 24 hours was 65% of total reports achieved compared to 49% in 2008-09. 57% of total examinations performed are now being reported within 24 hours (39% in 2008-09).

Table 26: 24 hour turnaround time reports vs exams performed and exams reported

Year	Exams Performed	Exams Reported	Exams Reported within 24 hours	24 hr Nos vs Total Exams	24 hr Nos vs Exams Reported
2008-09	1,582,143	1,249,454	614,814	39%	49%
2009-10	1,610,995	1,337,327	667,241	41%	50%
2010-11	1,674,915	1,461,068	929,975	56%	64%
2011-12	1,762,353	1,566,048	1,010,451	57%	65%

There has been a further increase in the number of sites able to provide 80% or greater of their reports within 24 hours (32 as compared to 2010-11's 28) with 17 now reporting 100% within that time period. Sites with 99.5% and greater or 79.5% and over were regarded as having achieved 100% and 80% respectively for 24 hour reporting.

Of the 17 sites with 100% turnaround, four were CSCF level 1 sites where the reporting was provided by off-site public radiologists. Two other level 1 sites had a mixture of public and private offsite reporting with the remaining 11 sites being supported by private radiologists.

With sites reporting 80% or greater (but less than 100%), eight used private radiologists and seven a mixture of both public and private.

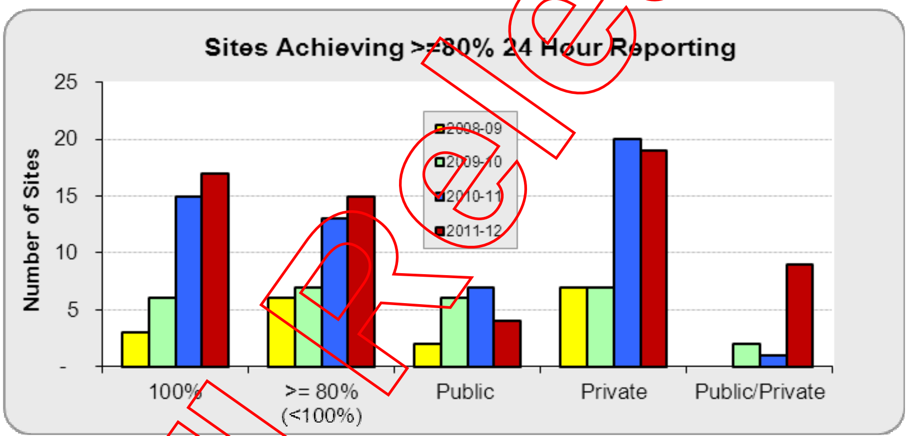
Over the last four years there has been a significant increase (9 to 32 or 256%) in the number of sites able to provide >=80% of their reports with the clinically appropriate timeframe as mentioned above.

There has also been a considerable change in the reporting provider with private providers now supporting the 88% (28) of sites achieving the desired turnaround time frame.

Table 27: Four year comparisons of sites achieving >=80% reporting within 24 hours

24 Hour Reporting	Number of Sites				Increase 11->12
	2008-09	2009-10	2010-11	2011-12	
100% reporting within 24 hours	3	6	15	17	13%
=>80% reporting within 24 hours	6	7	13	15	15%
Total sites	**9**	**13**	**28**	**32**	**14%**
Reported by					
Public radiologist	2	6	7	4	-43%
Private provider	7	7	20	19	-5%
Public and private provider mixed		2	1	9	
Total Sites	**9**	**13**	**28**	**32**	

Figure 17: Four year comparison summary of 24 hour reporting achievements



5.6 Report turnaround times across Districts

Three districts (Cairns and Hinterland, North West and Sunshine Coast) have been able to achieve the target of greater than 80% of reports within 24 hours. This year Cairns achieved the 100% target at all facilities across the District.

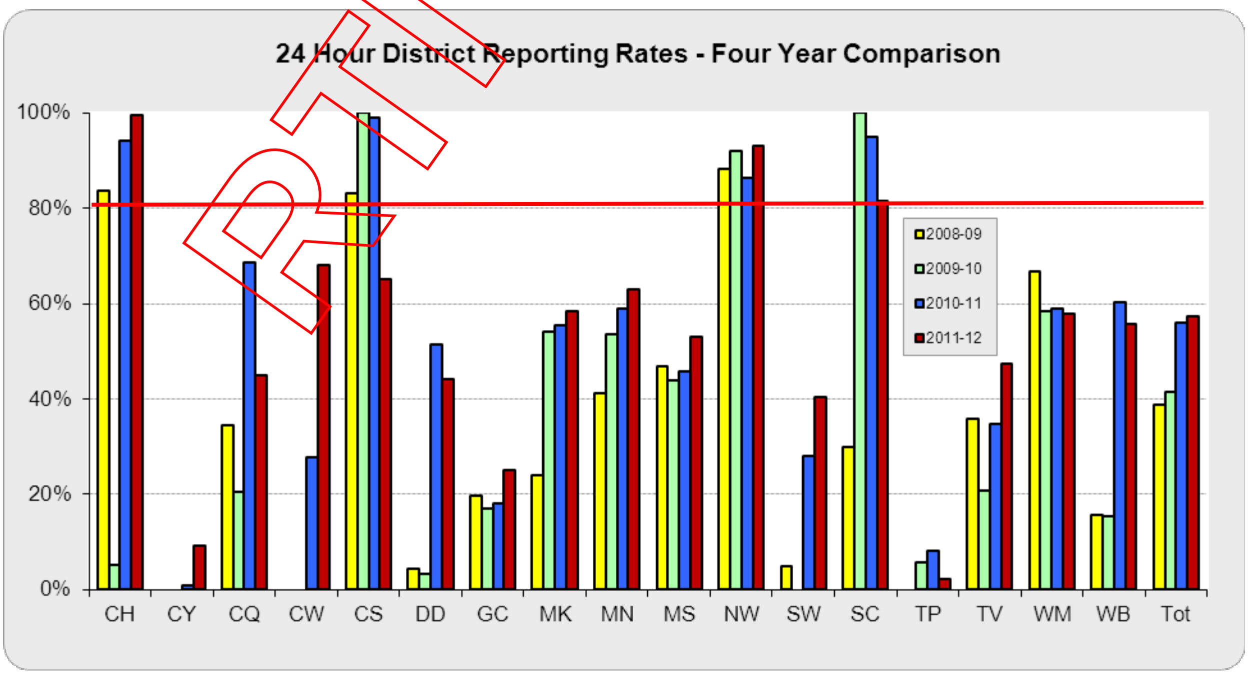
Of the remaining 14 Districts, 8 have shown improvements ranging from 2% in Mackay District to 40% in Central West District. South West has also shown a great result with 40% increase since 2009-10.

Unfortunately, the remaining 6 Districts all demonstrated decreases in their 24 hour reporting rates from 2010-11. Children's Health Services (RCH) decreased their 24 hour turnaround rate by 34%, Central Queensland 24%, Sunshine Coast 13%, Darling Downs 7%, Torres 6%, Wide Bay 4% and West Moreton 1%.

Table 28: Four year comparisons of District 24 hour turnaround reporting rates

District	24 Hour Reporting Rates			
	2008-09	2009-10	2010-11	2011-12
Cairns and Hinterland (CH)	84%	5%	94%	100%
Cape York (CY)	0%	0%	1%	9%
Central Queensland (CQ)	34%	21%	69%	45%
Central West (CW)	0%	0%	28%	68%
Children's Health Services (CS)	83%	100%	99%	65%
Darling Downs (DD)	4%	3%	51%	44%
Gold Coast (GC)	20%	17%	18%	25%
Mackay (MK)	24%	54%	56%	58%
Metro North (MN)	41%	53%	59%	63%
Metro South (MS)	47%	44%	46%	53%
North West (NW)	88%	92%	86%	93%
South West (SW)	5%	0%	28%	40%
Sunshine Coast (SC)	30%	100%	95%	82%
Torres Strait – Northern Peninsula (TP)	0%	6%	8%	2%
Townsville (TV)	36%	21%	35%	47%
West Moreton (WM)	67%	58%	59%	58%
Wide Bay (WB)	16%	15%	60%	56%
Totals	**39%**	**41%**	**56%**	**57%**

Figure 18: Four year comparison of 24 hour District reporting capability



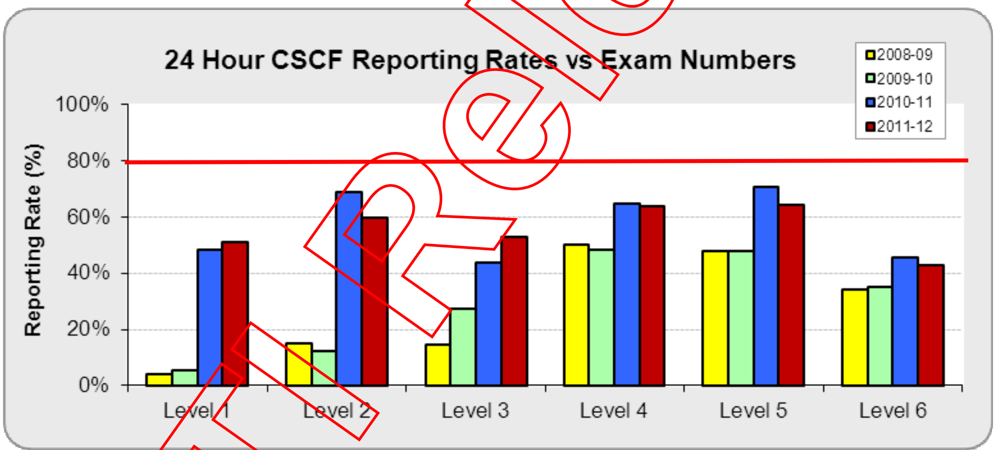
5.7 *Report turnaround times across sites*

The 2011-12 decrease in reporting turnaround rates can also be demonstrated across CSCF levels in the tables and figures below. When turnaround rates are calculated against the number of examinations performed only Levels 1 and 3 showed an increase for 2011-12 as compared to 2010-12 when all Levels improved from the year before. At no time during the four year period did any of the CSCF levels attain the benchmark of 80% within 24 hours.

Table 29: Four year comparison of 24 hour report turn-around vs exam numbers by CSCF level

CSCF level	Turn-around Rate			
	2008-09	2009-10	2010-11	2011-12
Level 1	4%	6%	48%	51%
Level 2	15%	12%	69%	60%
Level 3	14%	27%	44%	53%
Level 4	50%	48%	65%	64%
Level 5	50%	48%	71%	64%
Level 6	34%	35%	45%	43%

Figure 19: Four year comparison of 24 hour reporting capability vs exam numbers by CSCF level

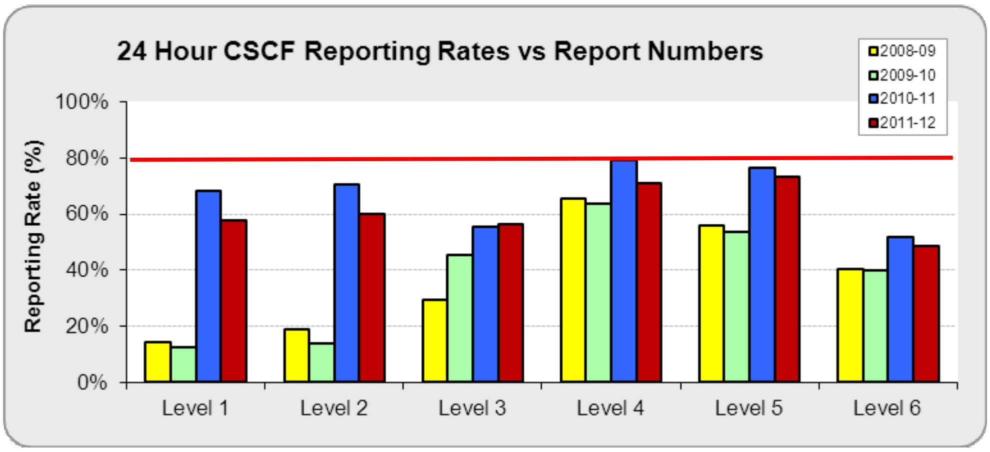


On comparing report turnaround times to actual reports performed, only Level 3 was able to demonstrate a slight increase for 2011-12. The other five levels all show a decrease in the turnaround versus reported examinations rates.

Table 30: Four year comparison of 24 hour report turn-around vs report numbers by CSCF level

CSCF level	Turn-around Rate			
	2008-09	2009-10	2010-11	2011-12
Level 1	14%	13%	68%	58%
Level 2	19%	14%	71%	60%
Level 3	30%	46%	55%	57%
Level 4	65%	64%	79%	71%
Level 5	56%	54%	76%	73%
Level 6	40%	40%	52%	49%

Figure 20: Four year comparison of 24 hour reporting capability vs report numbers by CSCF level



Individual site 24 hour turnaround reporting rates are at Appendix 7.

5.8 Reporting Satisfaction

This year's survey again contained a section where sites were requested to register their satisfaction level with their reporting service. There were three choices: "satisfied", "improving" and "not satisfied". Of the 128 sites surveyed, seven did not respond to this question. Six of the seven had a reporting rate of 100%, with the seventh at 98%. Four of these recorded 0% for their 24 hr turnaround reporting rate. The other three did not reach the benchmark of >=80% within 24 hours (63%, 61%, 32%). 76 of the 121 sites (59%) indicated that they were satisfied with their reporting service (up from 50 last year) and 29 sites considered it was improving, leaving only 16 sites expressing dissatisfaction (27 in 2010-11).

Follow-up contacts were not carried out this year as in previous years so the calculations for the District table and figure below do not include the above non-responding sites.

Table 31: Two year comparisons of reporting satisfaction responses

	2010-11		2011-12	
Sites	**Numbers**	**Rates**	**Numbers**	**Rates**
Providing information	128	100%	121	95%
Satisfied with reporting service	50	39%	76	59%
Reporting service improving	51	40%	29	23%
Not satisfied with reporting service	27	21%	16	13%
Not providing information	0		7	5%

The figure below demonstrates the overall improvement in the reporting satisfaction rates (with the green bars increasing for 10 Districts). The same two Districts as last year, Cape York and Torres Strait and Northern Peninsula, are still indicating dissatisfaction with their reporting service regardless of the fact that both are reporting more than 90% of their images. This is discussed further in the following Reporting Summary section. The results for this survey question indicate that neither of the Gold Coast District sites is satisfied with its reporting service.

Figure 21: Reporting satisfaction rates across Districts

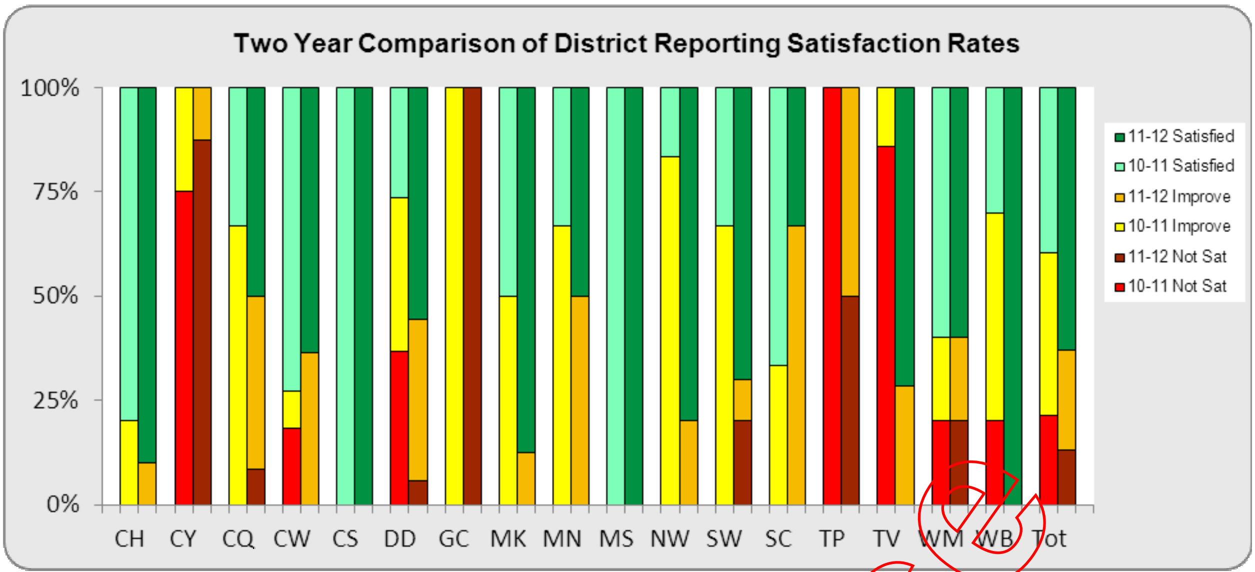


Table 32: District reporting satisfaction results

District	Satisfied		Improving		Not Satisfied	
	2010-11	2011-12	2010-11	2011-12	2010-11	2011-12
Cairns and Hinterland (CH)	80%	90%	20%	10%	0%	0%
Cape York (CY)	0%	0%	25%	13%	75%	88%
Central Queensland (CQ)	33%	50%	67%	42%	0%	8%
Central West (CW)	73%	64%	9%	36%	18%	0%
Children's Health Services (CS)	100%	100%	0%	0%	0%	0%
Darling Downs (DD)	26%	56%	37%	39%	37%	6%
Gold Coast (GC)	0%	0%	100%	0%	0%	100%
Mackay (MK)	50%	88%	50%	13%	0%	0%
Metro North (MN)	33%	50%	67%	50%	0%	0%
Metro South (MS)	100%	100%	0%	0%	0%	0%
North West (NW)	17%	80%	83%	20%	0%	0%
South West (SW)	33%	70%	67%	10%	0%	20%
Sunshine Coast (SC)	67%	33%	33%	67%	0%	0%
Torres Strait – Nth Pen. (TP)	0%	0%	0%	50%	100%	50%
Townsville (TV)	0%	71%	14%	29%	86%	0%
West Moreton (WM)	60%	60%	20%	20%	20%	20%
Wide Bay (WB)	30%	100%	50%	0%	20%	0%
Totals	40%	63%	39%	24%	21%	13%

Individual site reporting satisfaction results are at Appendix 8.

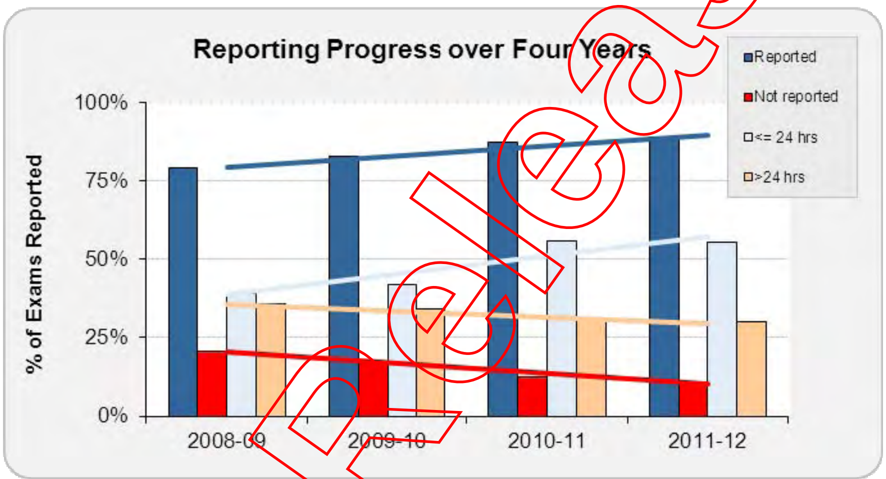
5.9 Reporting summary

The QH Policy for the Provision of Diagnostic Imaging Reports introduced in March 2010, together with the accompanying implementation standard clearly identify the minimum requirements of a diagnostic imaging service, stating that 'a diagnostic imaging service shall comprise both a diagnostic imaging procedure and a report on that procedure, within a clinically appropriate timeframe.'

The most important issue in radiology in the past has been the general inability to meet these reporting and turnaround criteria. This has been identified as the Radiology Reporting Gap. As there are now four years of complete data, the opportunity exists to look more closely at improvements in reporting capacity across medical imaging in Queensland Health.

All sites are now able to provide or at least access a reporting service, with survey results showing that 89% of all examinations were reported in 2011-12 (79% in 2008-09). The trend-lines in the following graph show the increases in reporting progress over the past four years.

Figure 22: Summary of reporting progress over four years



The data collected also demonstrates the changing patterns in the usage of private and public reporting providers. The trend, seen in the first three years of publicly employed radiologist reporting falling while private provider reporting was increasing, has reversed somewhat in 2011-12.

Figure 23: Summary of public vs private radiologist reporting over four years

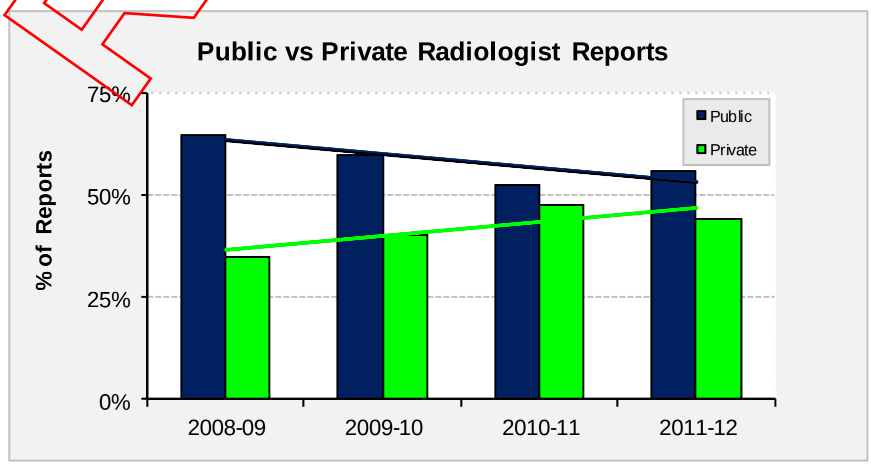


Table 33: Four Year Reporting summary

Examinations	2008-09		2009-10		2010-11		2011-12	
	Numbers	Rate		Rate	Numbers	Rate	Numbers	Rate
Performed	1,596,801		1,627,581		1,691,125		1,762,353	
Reported	1,263,547	79%	1,353,158	83%	1,477,252	87%	1,566,048	89%
NOT reported	333,254	21%	274,423	17%	213,873	13%	196,305	11%
Reported within 24 hrs	626,925	39%	683,072	42%	944,658	56%	1,010,451	57%
Reported after 24 hours	570,916	36%	558,882	34%	521,113	31%	507,476	29%
Reported publicly	820,369	65%	805,541	60%	739,729	52%	832,855	56%
Reported privately	443,179	35%	546,617	40%	669,813	48%	655,470	44%

The ability of MI facilities to enter into contracts with private providers or to move images to other sites to support reporting of in-house acquired images has had an effect on all CSCF Level sites. The table below demonstrates the changes over the last three years.

Table 34: Three year comparisons of public/private reporting mix by CSCF level

CSCF Level	Public Reporting			Private Reporting			Private and Public Reporting		
	09-10	10-11	11-12	09-10	10-11	11-12	09-10	10-11	11-12
Level 1	11	23	27	21	38	41	1	1	9
Level 2	4	3	1	11	11	7	0	1	7
Level 3	4	6	3	6	6	6	1	0	3
Level 4	3	1	0	6	6	6	2	4	5
Level 5	1	1	0	5	5	4	3	4	6
Level 6	3	1	2	0	0	0	0	2	1
Totals	**28**	**35**	**33**	**50**	**67**	**64**	**8**	**12**	**31**

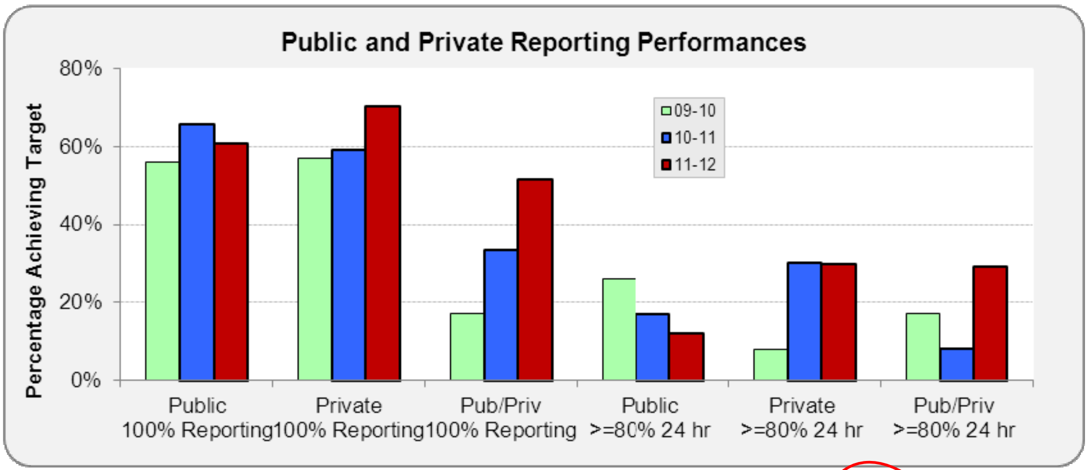
Probably most significant is the number of level 1 and 2 sites with QRiS installed over the past two years now being able to access reporting by offsite public or private radiologists or a mixture of both. There has also been a trend in the higher level CSCF sites to utilise both public and private reporting as a means to improve overall reporting rates.

The same data can be used to look at the ability of the private and public providers to meet the reporting criteria as discussed above. However because there are nearly twice as many sites with a private reporting service, it is necessary to compare the percentage of providers meeting the criteria rather than actual numbers.

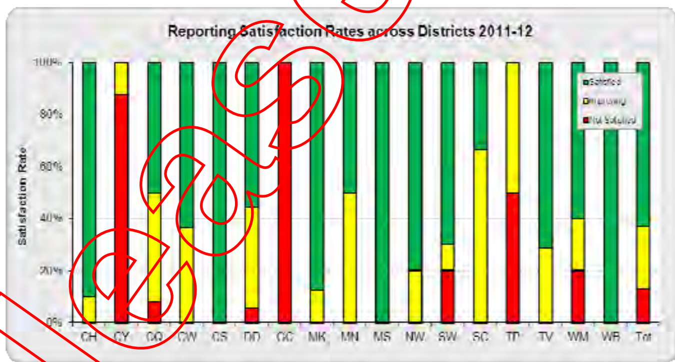
Table 35: Three year comparisons of public/private reporting performances

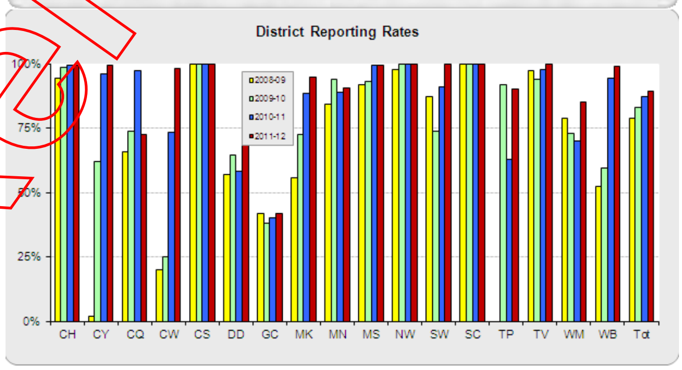
Reporting Provider	Site Numbers			100% Reporting			>=80% 24 hrs Turnaround		
	09-10	10-11	11-12	09-10	10-11	11-12	09-10	10-11	11-12
Public	27	35	33	56%	66%	61%	26%	17%	12%
Private	49	66	64	57%	59%	70%	8%	30%	30%
Public/Private	6	12	31	17%	33%	52%	17%	8%	29%
Totals	**82**	**113**	**128**	**54%**	**58%**	**63%**	**16%**	**24%**	**25%**

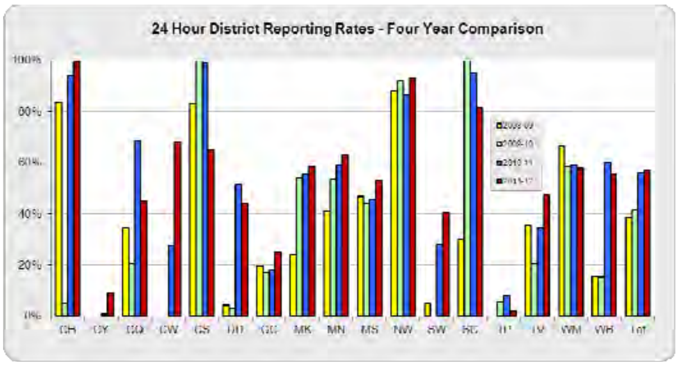
Figure 24: Three year comparison of reporting criteria



In order to assess the results from the reporting satisfaction survey question, a comparison was made of the rates for reporting, 24 hour turnaround and the 2011-12 reporting satisfaction across Districts. Of concern for 2011-12 are Cape York (CY), Torres Strait and Northern Peninsula (TP) and Gold Coast (GC) Districts.







As demonstrated by the graphs to the right (copies from previous sections of the report), there is really no correlation between the dissatisfaction levels and the reporting rates. The Districts with the highest dissatisfaction levels are showing some of the best improvements in overall reporting. These three Districts have excellent image reporting rates at 99%, 91% and 100% respectively.

However, a different picture is presented when the 24 hour turnaround graph is compared to the satisfaction results. Here it is evident that low turnaround rates are leading to increased dissatisfaction levels. Cape York, although showing an improvement from 1% reported within 24 hours in 2010-11 to 9% in 2011-12 is still only slightly less dissatisfied. Torres Strait appears to have gone backwards in regards to 24 hour reporting but this may be due to a problem with accessing reliable data. Sunshine Coast has decreased 24 hour reporting from 95% in 2010-11 to 82% in 2011-12 which is an acceptable result. However two of the three District MI sites were not completely satisfied with the reporting service. The “Not Satisfied” result in the Gold Coast District is the result of both reporting and turnaround rates being below 50%. There has been little improvement over the four years.

Table 36: Gold Coast District Reporting

Gold Coast District	Workload/Workforce Information				Four Year Increase
	2008-09	2009-10	2010-11	2011-12	
Workload Information					
Examinations	147,257	151,039	143,229	152,227	3%
Reporting Rate	42%	38%	40%	42%	0%
24 hr TAT Rate	20%	17%	18%	25%	5%
Workforce Information					
Radiologist FTEs	6	8	11	10.75	79%
Registrar FTEs	7	7	9	11.1	59%
Total FTES	122.42	141.55	147.35	165.25	35%

Despite the overall progress in reporting rates, there is still a significant variation in service delivery across QH with reporting rates ranging from 12% to 100%. To further investigate this, those facilities with a reporting rate of less than 50% were identified. The majority of these are rural and remote facilities with small workloads which have not yet seen the full benefits of new technology installed over the last twelve months. However, Gold Coast and Robina Hospitals remain in the less than 50% category and have therefore been considered as 'outliers'.

Table 37: Reporting rates with and without the outliers

CSCF Level	Reporting Rate			
	2008-09	2009-10	2010-11	2011-12
Including Gold Coast and Robina				
Level 4	76%	84%*	81%	
Level 5				88%
Level 6	85%	80%	88%	88%
Districts Total	79%	83%	87%	89%
Excluding Gold Coast and Robina				
Level 4	81%	84%*	86%	
Level 5				92%
Level 6	95%	97%	100%	99%
Districts Total	83%	88%	92%	93%

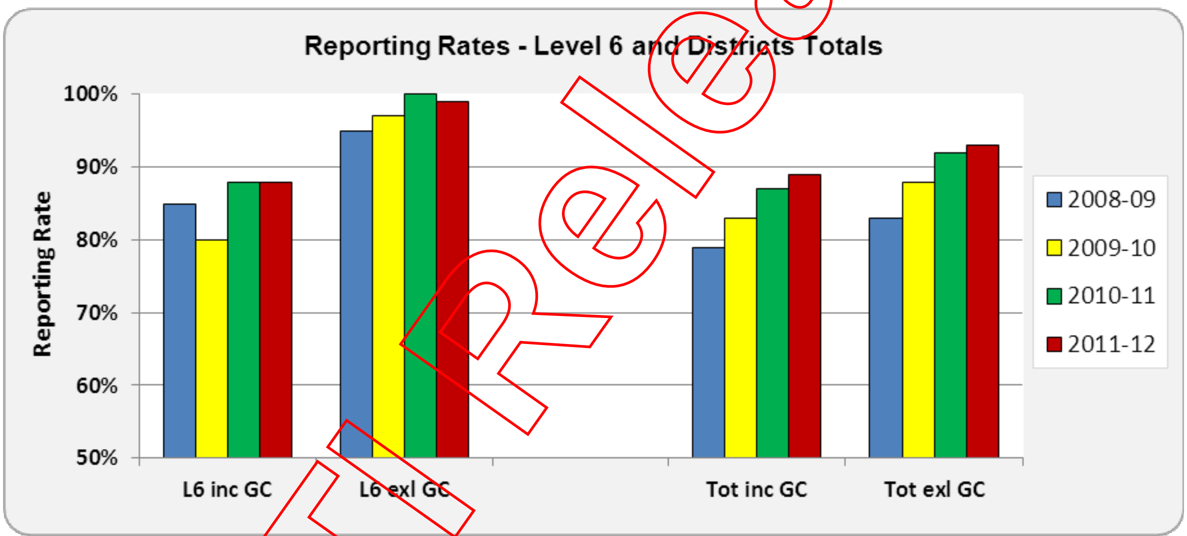
**Robina data was combined with Gold Coast in 2009-10*

Table 38: 24 hour turnaround reporting rates with and without the outliers

CSCF Level	Turnaround Rate per Exams			
	2008-09	2009-10	2010-11	2011-12
Including Gold Coast and Robina				
Level 4	50%	53%*	65%	
Level 5				
Level 6	27%	32%	45%	43%
Districts Total	39%	41%	56%	57%
Excluding Gold Coast and Robina				
Level 4	52%	53%*	68%	
Level 5				68%
Level 6	30%	38%	51%	47%
Districts Total	41%	44%	59%	60%

**Robina data was combined with Gold Coast in 2009-10*

Figure 25: Four year comparison of Gold Coast reporting rates on Level 6 and Districts Total



6: Waiting Times for Patient Appointments

Information regarding waiting times for patient appointments (both inpatients and outpatients) was requested for the following five modalities: ultrasound (excluding obstetrics), CT, angio/interventional, fluoro/special procedures and MRI.

Respondents were asked to supply the number of days to the next available appointment as at the time of completing the survey form. They were also asked to provide, if possible, the waiting times for a similar period from the previous year.

Responses were received from 40 sites for one to five of the modality groups above. Not all sites were able to provide information for both years. Royal Children's Hospital did not differentiate between waiting times for general anaesthetic (GA) assisted examinations and non-assisted exams.

On average, there has been an improvement in waiting times across all modalities when compared to last year's results. The following table provides a summary of the maximum and average waiting times for each modality for inpatients and outpatients.

Table 39: Two year comparisons of maximum and average patient waiting times

Modality	Maximum Waiting Time (days)				Average Waiting Time (days)			
	Inpatients		Outpatients		Inpatients		Outpatients	
	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12
Ultrasound	7	14	80	60	2	2	11	10
CT	2	2	26	21	1	1	7	6
Angio/Interventional	3	10	40	20	1	2	8	7
Fluoro/Special Proc.	3	10	20	20	1	2	5	5
MRI	4	5	77	128*	2	2	28	33

**RCH – waiting for GA not mentioned in survey return*

Details of waiting times for those responding (40) are shown at Appendix 9.

7: Workforce Information

7.1 *Medical Imaging workforce*

The table below summarises the workforce employed in Medical Imaging facilities over the past four years. In previous years, the FTEs employed in the privately run sites have been excluded. Adjustments across all data sets have been made and these FTEs are now included. Mt Isa did not supply workforce data for 2010-11 or 2011-12.

Table 40: Medical imaging workforce by FTE

	FTEs				% Increase 11→12	% Increase 09→12
	2008-09	2009-10	2010-11	2011-12		
Medical						
Radiologists	62.45	65.75	75.65	80.65	7%	29%
Other Med Spec. (eg Nuc Med)			4.16	4.35	5%	
Registrars	48.00	56.00	66.80	79.23	19%	65%
Visiting Medical Officers	11.71	6.03	12.88	9.10	-29%	-22%
Total Medical	**122.16**	**127.78**	**159.49**	**173.33**	**9%**	**42%**
Medical Radiation Professionals (MRPs)						
Radiographers	463.11	512.98	519.28	554.18	7%	20%
Radiographer/Sonographers	73.23	79.10	88.49	85.23	-4%	16%
Sonographers	28.30	28.20	29.08	36.73	26%	30%
Other MRPs eg Nuc Med Tec.		6.00	17.60	21.73	23%	
Graduate Radiographers (NPDP)	50.50	54.00	54.00	54.00	0%	7%
Other Professionals				1.30		
PACS Administration (MRPs)	14.95	12.60	15.95	17.95	13%	20%
Total Professional	**630.09**	**692.88**	**024.40**	**771.12**	**6%**	**22%**
Support Staff						
RIS Analysts/Support		8.10	11.80	6.60	-44%	
PACS Other Staff		5.80	7.00	8.50	21%	
Medical Imaging Nurses	142.79	147.31	161.58	175.90	9%	23%
Medical Imaging Assistants		35.40	37.20	38.70	4%	
Other Operational Officers	50.26	53.45	63.25	57.79	-9%	15%
Administration Officers	186.84	198.20	217.16	225.92	4%	21%
Total Support Staff	**379.893**	**448.26**	**497.99**	**513.5**	**3%**	**35%**
Total	**1132.14**	**1268.92**	**1381.88**	**1457.95**	**6%**	**29%**

Note: Medical Radiation Professionals (MRPs) includes radiographers, sonographers, radiographer/sonographers, nuclear medicine technologists, medical physicists and radio-chemists employed in MI facilities across QH.

The increase over four years in medical and MRP FTEs (42% and 22% respectively) can be related to the increase in examination numbers over the same period (11%). The most significant examination number increases have been in the more complex modalities, CT (22%) and MRI (30%).

2011-12 radiology workforce composition is at Appendix 11.

7.2 Medical Radiation Professionals (MRPs)

There are 51 QH medical imaging sites employing approximately 771 MRPs.

The MRP vacancy rate has caused major concerns in the past, particularly in non-metropolitan sites. A vacancy should be regarded as a funded FTE (or part thereof) where the occupant has resigned and left the organisation permanently. If the position is backfilled, then it can be called a filled vacancy. However, there has been some confusion over the clarification of a true vacancy and one which is temporarily unfilled due to leave of some description.

There has been a gradual decrease in the number of MRP vacancies since these surveys were first introduced. Prior to 2007-08, surveys conducted by the Association of Medical Radiation Directors Queensland (AMRDQ) were showing total vacancy rates of 20% (15% unfilled) across 49 sites employing MRPs. These figures were a cause for concern particularly in rural and remote sites where successive recruitment processes had failed to fill long-standing vacancies. A number of strategies were put in place to address this issue such as:

- Increased remuneration packages for MRPs including retention allowances;
- Expansion of the Statewide Medical Imaging Support Service (SMISS) to provide extra relieving radiographers available in rural and remote sites for either short or long term periods;
- An increase in the number of radiographer undergraduate places at Queensland Universities.

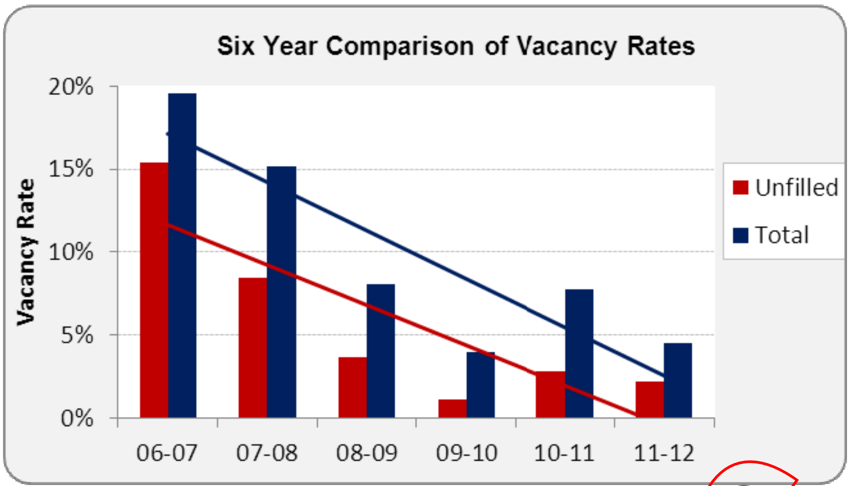
With data available for the last six years, the vacancy trends for MRPs can be followed in the following table and figure.

Table 41: MRP vacancy comparisons over six years

Year	MRP FTEs	Unfilled Vacancies		Total Vacancies	
		FTEs	Rate	FTEs	Rate
2006-07*	518.37	79.64	15.4%	101.54	19.6%
2007-08	573.83	48.28	8.4%	87.18	15.0%
2008-09	630.09	23.13	3.7%	50.74	8.1%
2009-10	692.88	7.60	1.1%	27.50	4.0%
2010-11	724.40	20.54	2.8%	56.27	7.8%
2011-12	771.12	16.91	2.2%	34.61	4.5%

**Data provided by the AMRDQ*

Figure 26: Five year MRP unfilled and total vacancy trends



MRP vacancy rates have been compared across CSCF levels for 2011-12 as shown in the table below. Although Level 3 shows the highest rate of unfilled vacancies at 4.1%, this equates to one FTE in a site with four funded FTEs.

Table 42: MRP workforce information by modality mix

CSCF Level	Site Nos	Funded FTEs	Unfilled Vacancies		Total Vacancies		Vacancy Placement
			FTEs	Rate	FTEs	Rate	Locum/ Backfill
Level 1 *(Tully)*	1	0.20	0.00				
Level 2	15	16.83	0.21	1.2%	0.21	1.2%	0.00
Level 3	12	24.40	1.00	4.1%	1.00	4.1%	0.00
Level 4	10	139.31	1.00	0.7%	1.00	0.7%	0.00
Level 5	10	332.88	9.90	3.0%	14.00	4.2%	4.10
Level 6	3	257.50	4.80	1.9%	17.40	6.8%	12.60
Total	**51**	**771.12**	**16.91**	**2.2%**	**34.61**	**4.5%**	**17.70**

Concerns have been raised at the QHIP Steering Committee and AMRDQ meetings about increasing sonographer vacancies and the difficulty in filling these vacancies. In the 2011-12 survey, there were 34 sites employing either radiographer/sonographers, sonographers or a mixture of both as shown below.

Table 43: Radiographer/Sonographer and Sonographers

MRP Category	Sites
Radiographer/Sonographers only	16
Sonographers only	4
Radiographer/Sonographer plus Sonographers	14
Total Number of Sites	**34**

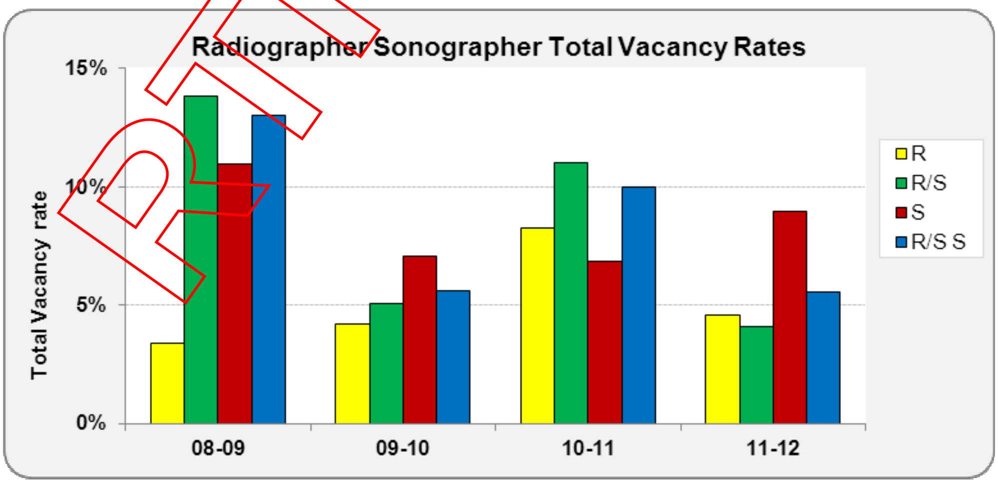
The total vacancy rate for sonographers in 2011-12 is 9% which is higher than that for radiographers. Although the actual FTE vacancy numbers may seem low, a problem does exist as recruitment processes repeatedly fail to attract these professionals to the public hospital system.

SMISS has been unable to recruit a relieving radiographer/sonographer for a number of years and so has been unable to supply either short or long term sonographer relief.

Table 44: Four year comparisons of radiographer and sonographer FTEs and total vacancy rates

	08-09	09-10	10-11	11-12
Radiographers (R)	463.11	512.98	519.28	554.18
Unfilled Vac	5.84	6.00	11.80	9.21
Total Vacancies	15.82	21.50	43.03	25.31
Unfilled rate	**1%**	**1%**	**2%**	**2%**
Total Rate	**3%**	**4%**	**8%**	**5%**
Radiographer/Sono (R/S)	73.23	79.10	88.49	85.23
Unfilled Vac	4.91	0.60	5.74	3.00
Total Vacancies	10.12	4.00	9.74	3.50
Unfilled rate	**7%**	**1%**	**6%**	**4%**
Total Rate	**14%**	**5%**	**11%**	**4%**
Sonographer (S)	28.30	28.20	29.08	36.73
Unfilled Vac	2.40	1.00	1.50	2.30
Total Vacancies	3.10	2.00	2.00	3.30
Unfilled rate	**8%**	**4%**	**5%**	**6%**
Total Rate	**11%**	**7%**	**7%**	**9%**
Rad/Sono + Sono (RS/S)	101.53	107.30	117.57	121.96
Unfilled Vac	7.31	1.60	7.24	5.30
Total Vacancies	13.22	6.00	11.74	6.80
Unfilled rate	**7%**	**1%**	**6%**	**4%**
Total Rate	**13%**	**6%**	**10%**	**6%**

Figure 27: Total vacancy rates for radiographer/sonographers and sonographers (Key in Table 44)



MRP FTEs and vacancy rates for individual sites are at Appendix 10.

QH MI facilities continue to provide a significant amount of workforce training. As stated above, radiology registrar numbers increased by 65% to 79 FTE in 2011-12; while trainee sonographers increased by 24% to 25.5 FTE. 54 graduate radiographers were employed under the National Professional Development Program (NPDP) and 397 MRP students attended for clinical placement across 18 facilities. Responses to requests for information regarding sonographer trainees and MRP student training have been summarised in the following table. As at 30 June 2012, the Rural and Regional Ultrasound Training Program initiated by ClinEdQ – Allied Health was supporting 10 sonographer trainees with the first cohort expected to graduate in 2012-13.

Table 45: MRP training information

	2008-09	2009-10	2010-11	2011-12
Sonographer trainees	19.00	21.50	20.60	25.50
Number of sites training MRP students	17	17	18	18
Number of MRP students trained	317	409	435	397
Number of MRP student weeks	1258	1444	1645.2	1689

7.3 Radiologists/other specialists

There are 15 MI sites employing 80.65 radiologist FTEs (75.65 in 2010-11) and five sites employing 4.35 medical physicians and other medical specialist FTEs. These figures include the private radiologists employed at Caboolture and QEII (3.5 FTEs across both sites). Radiologist vacancy numbers have fallen again this year from 16% in 2009-10, 11% in 2010-11 to 4% in 2011-12.

There are 79.23 radiology registrar FTEs (71.0 in 2010-11) employed at 13 sites including Caboolture. There were no registrar vacancies recorded.

In February 2010, QH submitted applications under the Specialist Training Program (STP) for radiology registrar positions funded by the Department of Health and Ageing (DoHA). In 2010, four positions were approved as follows: BreastScreen (Brisbane Northside), BreastScreen (Brisbane Southside), Townsville Hospital, and Mackay Hospital/Townsville Hospital. In March 2011, an additional position was approved at Toowoomba Hospital, and in September 2011 additional positions were approved at Nambour Hospital and at Gold Coast Hospital bringing the total to seven positions funded until January 2014.

The following table provides information regarding radiologist and registrar FTEs and vacancy data over the preceding five years. In this time period, there has been a 41% increase in radiologist FTEs and a 62% increase in registrar FTEs.

Table 46: Radiologist and registrar comparisons over three years

Year	Radiologists				Radiologist Registrars			
	FTEs		Vacancies		FTEs		Vacancies	
	Funded	Inc %	FTEs	Rate	Funded	Inc%	FTEs	Rate
2007-08	57.00		8.10	15%	49.00		6.00	12%
2008-09	62.45	10%	4.50	8%	49.00	0%	0.00	0%
2009-10	65.75	5%	10.25	16%	56.00	14%	0.00	0%
2010-11	75.65	15%	7.95	11%	71.00	27%	2.00	3%
2011-12	80.65	7%	3.60	4%	79.23	12%	0.00	0%

7.4 Hospital employed X-ray operators

As mentioned previously, there are 99 MI sites in QH which are wholly (77 sites) or partially (22 sites) supported by hospital based X-ray operators. Their substantive positions are not in MI and they are called on when needed to provide X-ray services within their facilities. There are two categories of X-ray operator licence:

- Chest and Extremities, and
- Rural and Remote Extended (includes abdomen, pelvis, lateral cervical spine).

Data regarding X-ray operators was submitted from 94 of the 99 sites and the numbers recorded in the survey are as follows:

Table 47: X-Ray operators

Year	Site Nos	CXR and Extremity		Extended		Totals	
		Qualified	Trainees	Qualified	Trainees	Qualified	Trainees
2008-09	90 (100)	97	31	187	43	284	74
2009-10	91 (100)	91	27	190	24	281	51
2010-11	100 (100)	70	10	215	37	285	47
2011-12	94 (99)	50	14	206	54	256	68

One site (Aramac) is still without an X-ray operator, while four others (Lockhart, Pormpuraaw, Millmerran, Mungindi) had only trainees.

Details of X-ray operator numbers have been included in a separate column in Appendix 10.

8: Radiology Billing Practices

Data on billing practices and an estimate of total radiology revenue billed (own source revenue) has now been requested for three consecutive years.

The response rates for 2010-11 and 2011-12 were similar with an increase of 5% in the number of sites responding "Yes" to Medicare billing processes.

Table 48: Three year response rates to billing information request

Site Responses	2009-10		2010-11		2011-12	
	Number	Rate	Number	Rate	Number	Rate
Sites responded	81	63%	94	73%	95	74%
"Yes" to billing practices	49	38%	66	52%	73	57%
Revenue amounts supplied	34	27%	51	40%	52	41%
"No" to billing practices	32	25%	28	22%	22	17%
No response	47	37%	34	27%	33	26%

The revenue identified by the sites has increased significantly with the table below demonstrating an increase of 292% over three years. The breakup of the data provided into sites classified by

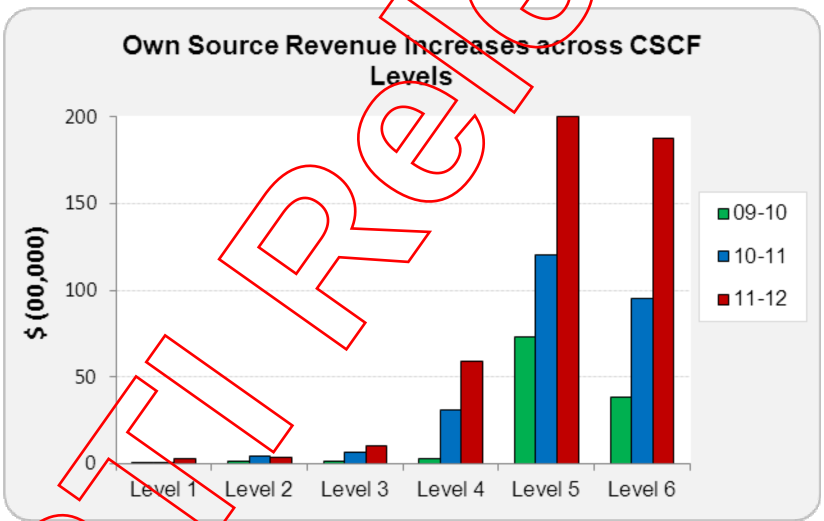
CSCF level gives an indication of where information and revenue identification processes have improved. Even the small level 1 sites have shown a remarkable increase in revenue billed but the most significant growth has occurred in the Level 4 sites where identified revenue has risen from $302,393 in 2009-10 to nearly $6 million in 2011-12.

Table 49: Three years response information from sites providing own source revenue figures

CSCF Level	2009-10			2010-11			2011-12		
	Responses		Billed Amount	Responses		Billed Amount	Responses		Billed Amount
	Nos	Rate		Nos	Rate		Nos	Rate	
Level 1	15	19%	$76,935	15	19%	$90,601	17	22%	$281,032
Level 2	4	22%	$158,849	8	47%	$447,337	6	40%	$356,101
Level 3	3	33%	$163,977	7	70%	$635,869	9	75%	$1,019,251
Level 4	4	31%	$302,393	11	85%	$3,065,698	8	73%	$5,925,821
Level 5	7	88%	$7,310,771	7	88%	$12,028,617	9	90%	$20,011,428
Level 6	1	33%	$3,823,078	3	100%	$9,519,168	3	100%	$18,785,795
Total	**34**	**27%**	**$11,836,003**	**51**	**40%**	**$25,787,290**	**52**	**41%**	**$46,379,428**

RBWH Nuclear Medicine is not included in these figures

Figure 28: Three year comparison of Own Source Revenue by CSCF Level



In 2011-12 the Diagnostic Own Source Revenue Initiative (DORI) collected revenue data from 82 MI sites (83 including RBWH Nuclear Medicine) through District revenue teams.

The table below shows the own source revenue (OSR) figures from the 2011-12 survey data and the OSR figures reported to DORI. Approximately $2.4 million extra was reported to DORI from 33 sites.

Table 50: Site comparison of radiology survey data with DORI acquired own source revenue figures

CSCF Level	Radiology Survey Data			DORI Data		
	Responses		Billed Amount	Responses		Billed Amount
	Nos	Rate		Nos	Rate	
Level 1	17	22%	$281,032	39	51%	$271,646
Level 2	6	40%	$356,101	10	67%	$464,606
Level 3	9	75%	$1,019,251	12	100%	$1,322,222
Level 4	8	73%	$5,925,821	9	82%	$7,475,834
Level 5	9	90%	$20,011,428	9	90%	$19,402,162
Level 6	3	100%	$18,785,795	3	100%	$20,110,121
Total	**52**	**41%**	**$46,379,428**	**82**	**64%**	**$49,046,592**

Nearly every District has shown significant increases in billable revenue identified both at the site level and through the DORI project. The two exceptions are North West and Torres Strait and Northern Peninsula Districts. There has been some difficulty in identifying revenue in the latter District as the billing process is performed in Townsville.

Table 51: Three year comparisons of District radiology survey data with DORI acquired OSR figures

District	2009-10		2010-11		2011-12	
	Survey Data	DORI Data	Survey Data	DORI Data	Survey Data	DORI Data
Cairns and Hinterland (CH)	$700,275	$357,924	$3,151,445	$2,532,908	$4,466,904	$4,119,006
Cape York (CY)	$100,000	$12,170	$130,000	$171	$213,270	$90,720
Central Queensland (CQ)	$568,361	$568,361	$822,272	$841,843	$1,566,278	$1,676,888
Central West (CW)		$46,522	$67,380	$71,079	$174,297	$178,477
Children's Health Serv. (CHS)	$1,022,500	$1,353,498	$1,351,851	$1,351,851	$1,295,749	$1,554,014
Darling Downs (DD)	$95,684	$135,669	$436,130	$308,528	$1,970,000	$1,973,091
Gold Coast (GC)		$1,728,729	$2,574,053	$2,574,054	$4,300,000	$4,324,258
Mackay (MK)		$240,515	$647,764	$640,160	$1,392,607	$2,008,933
Metro North (MN)	$4,621,078	$7,572,780	$8,824,710	$8,824,711	$10,925,252	$12,027,641
Metro South (MS)	$1,279,000	$3,725,045	$4,289,836	$4,224,679	$10,312,822	$10,330,711
North West (NW)		0	0	$45,161		$37,091
South West (SW)	$32,714	0	$69,150	$77,748	$59,509	$133,469
Sunshine Coast (SC)	$2,132,776	$1,917,112	$2,946,563	$2,315,056	$3,231,634	$3,271,912
Torres Strait – Nthn Pen. (TS)	$58,000	0	$275,000	0	$18,060	$307,445
Townsville (TV)	$1,113,542	$1,824,799	$1,884,510	$1,883,994	$4,204,763	$3,782,200
West Moreton (WM)	$109,268	$151,016	$436,681	$436,681	$964,368	$1,636,247
Wide Bay (WB)	$32,805	$84,726	$516,856	$421,896	$1,283,915	$1,594,490
Total for Districts	**$11,836,003**	**$19,718,866**	**$28,424,201**	**$26,550,520**	**$46,379,428**	**$49,046,592**

Individual site information for DORI and Survey billing data is at Appendix 12

Figure 29: District Own Source Revenue identified in the SURVEY (Key in Table 50)

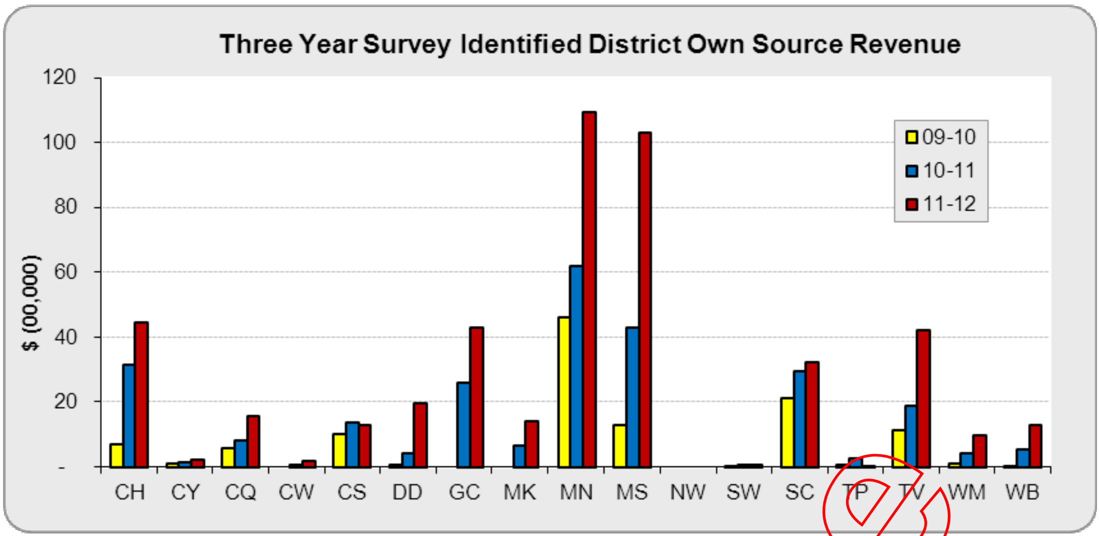


Figure 30: District Own Source Revenue identified by DORI (Key in Table 50)

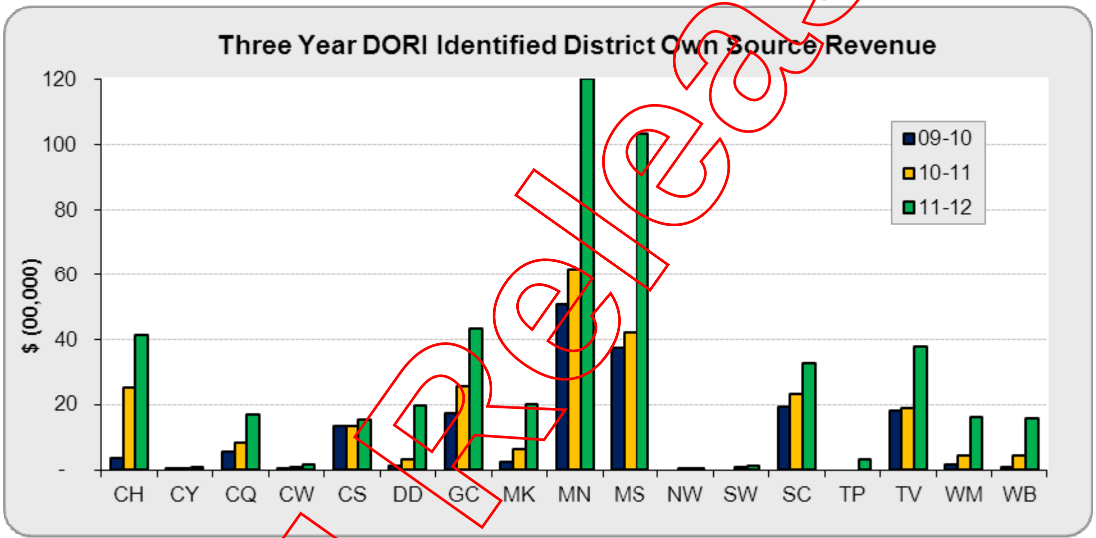
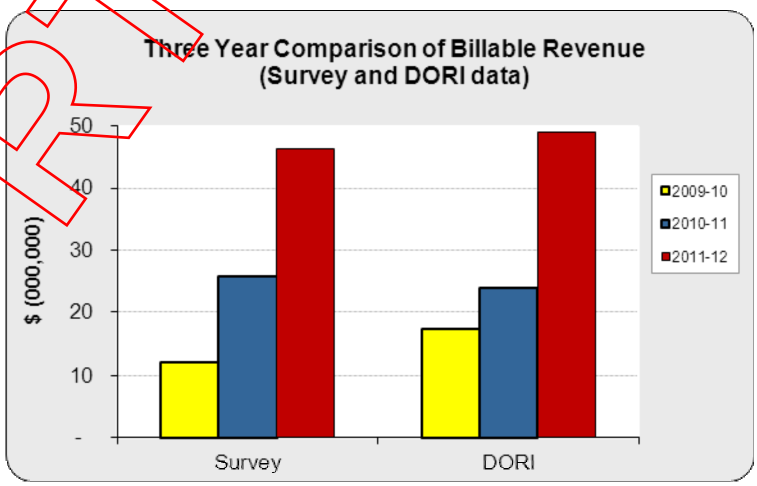


Figure 31: Three year comparison of Survey and DORI billable revenue



9: Financial Information

This year's survey again requested basic financial information from sites at CSCF level 2 and above, i.e. sites which may be expected to have a separate cost centre for Medical Imaging. This criterion would cover 48 sites as the three privately run facilities would not be expected to supply this information.

This year only 37 sites of these 48 sites (77%) supplied financial information compared to 2010-11 where 88% were able to respond. The eleven sites not providing the requested information were CSCF Level 2 and 3 employing between one and three radiographers. Three Level 1 sites also provided financial information; Tully and Babinda provided both budget and expenditure figures while Injune provided budget only information.

Table 52: Numbers of sites responding to financial information request

	2010-11		2011-12	
	Budget	Expenditure	Budget	Expenditure
Labour	45	45	38	39*
Non Labour	45	45	38	39*
Depreciation	43	44	36	37
Capital		8		5

** Hervey Bay and Maryborough supplied expenditure only for 2011-12*

The following table gives a breakdown of labour, non labour and depreciation budgets and expenditure plus capital expenditure over the past two financial years.

Table 53: Totals of budget and expenditure financial information for two years

	2010-11		2011-12	
	Budget	Expenditure	Budget	Expenditure
Labour	$146,836,354	$151,652,597	$154,111,320	$161,618,922
Non Labour	$46,662,002	$51,230,589	$49,807,842	$60,084,836
Depreciation	$20,147,321	$20,671,018	$21,370,853	$22,108,542
Capital		$8,074,110		$4,203,733
Totals	**$213,645,677**	**$231,628,314**	**$225,290,015**	**$248,016,033**

Individual facility information is at Appendix 13.

The following table shows the total budget and expenditure figures for each District for 2010-11 and 2011-12.

Table 54: District budget and expenditure totals for the past two financial years

District	2010-11		2011-12	
	Budget	Expenditure	Budget	Expenditure
Cairns and Hinterland	$13,534,747	$13,289,157	$10,838,459	$16,190,873
Cape York	$233,649	$225,978	$122,461	$333,666
Central Queensland	$7,056,778	$8,847,389	$7,147,983	$8,227,498
Central West	$358,092	$321,164	$344,303	$387,717
Children's Health Services	$6,048,100	$5,805,251	$5,526,971	$5,744,096
Darling Downs	$10,748,404	$11,288,784	$10,212,027	$10,129,490
Gold Coast	$22,887,344	$22,583,597	$27,489,120	$26,263,593
Mackay	$5716,534	$6,541,503	$4,382,599	$5,101,016
Metro North	$57,883,462	$63,395,985	$63,842,673	$66,441,238
Metro South	$40,902,259	$50,793,359	$48,473,840	$53,520,775
North West	NA	NA	NA	NA
South West	$748,480	$851,107	$742,210	$824,615
Sunshine Coast	$14,663,946	$14,293,432	$16,963,332	$18,089,126
Torres Strait – N'thern Pen.	$438,512	$601,292	NA	NA
Townsville	$16,514,998	$17,045,046	$17,593,259	$19,118,651
West Moreton	$6,556,516	$6,253,122	$7,239,639	$7,544,943
Wide Bay	$9,353,856	$9,492,148	$4,371,139*	$10,098,736
Total for Districts	**$213,645,677**	**$231,628,314**	**$220,918,876**	**$248,016,033**

** Hervey Bay and Maryborough supplied expenditure only for 2011-12*

Table 55: Additional estimated District costs for sites not included above

District	General X-ray	Ultrasound	Estimated Expenditure ($83/exam)
Cairns and Hinterland	275		$22,825
Cape York	2,266	1,046	$274,896
Central Queensland	2,992		$248,336
Central West	2,309		$191,647
Darling Downs	22,907	1,740	$2,045,701
Mackay	3,897		$381,302
Metro North	581	697	$48,223
Metro South	3,068		$254,644
North West	2,574		$213,642
South West	4,686	881	$462,061
Torres Strait – Northern Pen.	2,820	1,780	$381,800
Townsville	9,758	639	$862,951
West Moreton	3,090		$256,470
Wide Bay	1,865		$154,795
Total for Districts	**63,088**	**6,783**	**$5,799,293**

To gain some idea of the cost of providing MI services in sites not able to provide financial information, the average price for X-ray and ultrasound studies ($83) determined by Health Outcomes International (HOI) in 2007 has been used as a guide again this year. Using this methodology, approximately an extra $5,800,000 for 70,000 examinations could be expected to be added bringing the total estimated expenditure on medical imaging to $253,815,000 (rounded). This indicates approximately a 10% increase in expenditure over 2010-11.

There are three other aspects to the cost of delivering medical imaging services to be considered.

Firstly, as reported earlier, with $5.4 million identified by 19 of the 35 sites able to report full (off-site) outsourcing, a rough extrapolation would indicate that almost $10 million may be expended in this area. However, without further investigation into outsourcing practices it is not possible to determine whether the expenditure is included in MI site budgets or is allocated elsewhere.

Secondly, 95 sites reported the use of partial outsourcing (where examination acquisition is performed in-house and the image is reported by an external private provider), either solely or in combination with public providers. Of these, only 43 (46%) were able to supply service costs of approximately $17.5 million indicating that the total cost may be in the order of $38 million. Again this may or may not be built into existing budgets.

Thirdly, limited figures are available on the costs of providing complete private services at Caboolture, QEII and Mt Isa Hospitals. The total cost of the full outsourced services at two of the three departments was in excess of $ 12,000,000 for 2011-12. Using examination numbers as a base indicator, the costs to QH for these three privately run sites could be estimated to be around $16,000,000.

Using the information above, minimum and maximum costs for all MI services have been estimated in the table below with the following provisos. The identifiable minimum assumes that the cost of outsourcing and private provider reporting is included in site budgets. It also assumes that the expenditure figures provided in the survey are accurate and include all costs. However in reporting billable revenue, the sites underestimated by 6% when compared to the actual revenue figures provided to DORI. Taking this into consideration, the expenditure provided in the 2011-12 survey may be underestimated by as much as the same factor (6%). With a possible maximum of $333 million, the cost of MI services may be 23% higher than the identifiable minimum.

Table 56: Estimate of total costs for MI services

Expenditure	Identifiable Minimum	Possible Maximum
Provided through the 2011-12 survey	$248,000,000	$263,000,000
Estimated in non-responding Level 1, 2 and 3 sites	$5,800,000	$5,800,000
Identified outsourcing		$5,400,000
Extra extrapolated outsourcing		$4,600,000
Identified reporting		$17,500,000
Extra extrapolated reporting		$20,500,000
Three private provider sites	$16,000,000	$16,000,000
Rounded Totals	**$270,000,000**	**$333,000,000**
Cost per examination for 2011-13	**$153**	**$189**

10: Observations

10.1 Summary of changes

In summary the following table represents the major changes across the 128 medical imaging sites over the preceding four years.

Table 57: Summary of changes for one and four year periods

Increases in:	2010-11 to 2011-12 1 Year Increase	2008-09 to 2011-12 4 Year Increase
Workload	5%	11%
Total FTES	6%	29%
Medical FTEs	9%	42%
Radiologist FTEs	7%	29%
Registrar FTEs	19%	65%
MRP FTEs	6%	22%
Reporting rate	2%	10%
24 hour turnaround rate	1%	18%
Expenditure	2%	10%*
Survey identified own source revenue	80%	292%*
DORI identified own source revenue	19%	65%

**Three year increase*

10.2 Reporting gap

The radiology reporting gap has previously been defined as the general inability to meet reporting and turnaround criteria and a number of strategies have been put in place to address this issue. One way of assessing the effectiveness of these strategies is to summarise the improvement of reporting performance indicators over four years of the radiology survey.

The reporting rate of number of reports produced from the number of examinations performed now stands at 89% of total examinations performed. This is a 10% improvement from 2008-09.

Over the same four years, the number of sites reporting 100% of their images has risen from 32 to 75 (134% increase). In this time frame, the number of sites not reporting any of their images has fallen from 51 to zero. Although there are still 14 sites reporting less than 50% compared to 72 in 2008-09, 12 of these are small rural and remote X-ray operator sites where QRiS has been installed and teleradiology services progressed over the last twelve months. The two outliers in this group are the Gold Coast and Robina Hospital sites which have shown little or no reporting improvement over the four years.

The 24 hour reporting turnaround rate has also shown considerable improvement from 39% in 2008-09 to 57% in 2011-12. 57% represents reports available in 24 hours for examinations performed and equates to 65% (50% in 2008-09) of actual examinations reported. In 2011-12, 13 sites (2 in 2008-09) had 100% 24 hour turnaround rates and 35 sites (11 in 2008-09) with >=80% rates.

Table 58: Four year summary of reporting performance indicator progress

Reporting Performance Indicators	2008-09	2011-12
Reporting rate	79%	89%
Sites reporting 100%	32	75
Sites reporting less 50%	72	14
Sites reporting 0%	51	0
24 turnaround rate	39%	57%
Sites with 24 turnaround rate 100%	2	13
Sites with 24 turnaround rate >=80%	11	35

Further improvement in these performance indicators will be seen in 2012-13 as the benefits of teleradiology initiatives continue to mature.

10.3 Survey response rate and timeframes

Overall, responses to this year's survey were good. For the fourth year there has been 100% return of the questionnaire which was sent to all MI sites and all responses were back by the first week in September. Not all sections of the survey were filled in by all the sites. Follow-up requests were not made this year to obtain the missing information.

The following table summarises the response rates for seven important sections of the survey. Individual facility response information is at Appendix 14.

Table 63: Survey response rates

	2010-11	2011-12
Survey submitted	100%	100%
Examination/Patient classification	86%	94%
Equipment Units	98%	72%
Reporting availability (Yes/No)	100%	100%
24 hour turnaround rates	82%	89%
Reporting satisfaction rating (Yes, Improving, No)	100%	95%
Budget information (radiographer only sites)	88%	74%
Average	**94%**	**89%**

PART B: STATEWIDE RADIOLOGY SERVICES AND STRATEGIES

1: Introduction

This section outlines the statewide services and strategies delivered since 2006 and includes a summary of achievements in 2011-12.

2: 2011-12 Summary of Achievements

- Phase 1 of the Radiology Informatics Program was completed with 97 MI facilities using the Queensland Radiology Information System (QRiS) and 64 connected to the Enterprise Picture Archiving and Communication System (PACS).

- All QH MI facilities now have the ability to access radiology reports on-line.

- 157,496 reports were delivered to QH facilities by private radiology partners via the External Radiology Reporting Interface (ERRI).

- Statewide medical imaging exam catalogues were endorsed for three modalities (general X-ray, image intensifier and CT).

- A 3Cs online training package was developed to support ongoing compliance with the Correct patient, Correct procedure, Correct site/side (3Cs) process.

- 125 medical imaging locations achieved compliance with the standards of the Diagnostic Imaging Accreditation Scheme (DIAS), mandatory for access to Medicare funding.

- Local Diagnostic Reference Levels (DRLs) were established for CT examinations and shielding protocols were developed for paediatric radiography. Both provide a means ensure the radiation dose received by patients is As Low As Reasonably Achievable (The ALARA Principle).

- A statewide medical imaging request form was endorsed for use by QH facilities and will inform the future requirements for radiology electronic orders entry.

- $52.25 million was collected in radiology own source revenue by Districts, supported by the Diagnostic Ownsource Revenue Initiative (DORI).

- The Statewide Medical Imaging Support Service (SMISS) received a total of 180 requests for radiographer relief from which 162 (90%) occasions of service were able to be provided.

- SMISS provided Introductory Training for a total of 52 new X-ray operators from 35 rural and remote locations.

- The radiologist register was merged with the Office of Rural and Remote Health Credentialing Database thus providing statewide access to the credentialing status of all radiologists (public and private) working for QH.

- The Teleradiography Project successfully trialled video-conference supervision of X-ray operators thus improving support for rural and remote medical imaging services.

- The X-ray Operator Services Policy was finalised to establish a standardised approach to the training and support of X-ray operators across QH.

- Radiology Support, incorporating the Radiology Informatics Support Unit (RISU) and SMISS, achieved ISO 9001 Certification.

3: Radiology Informatics

In 2006, the most significant issue was the level and inconsistency of radiology reporting across the State. The approach to close the radiology reporting gap involved improving access to radiologists and implementing technology to move images and reports electronically. The latter commenced with the conversion of all remaining wet film processing to digital imaging under the Jnet Project.

The Jnet Project involved the installation of Computed Radiography (CR) equipment at a total of 85 facilities. In 2008 QH became the first state health service with the ability to produce digital images at all of its 130 diagnostic imaging facilities.

In 2007, QRiS went live at The Townsville Hospital. QRiS manages the radiology workflow and provides a platform for the delivery of electronic reports to referring clinicians.

A Medical Image Transfer Strategy (MITS) was developed in 2007 and QH tendered for a PACS. The image management aspect of the MITS did not progress due to funding constraints; however, a Teleradiology strategy commenced which involved integrating QRiS with District based PACS.

In 2010, the Gold Coast Health Service District agreed to share their PACS and, together with support from the Chief Information Officer and additional radiology services gap funds, the Enterprise PACS (integrated to QRiS) was established at the QH Data Centre.

In 2010, the Radiology Informatics Program developed and implemented the External Radiology Reporting Interface (ERRI). This interface allows external radiology partners to deliver reports directly into QRiS for viewing by referring clinicians. In 2011-12, 157,496 reports were delivered via the ERRI.

In 2011, the 1-millionth radiologist report was stored to QRiS.

In 2012, Phase 1 of the Radiology Informatics Program was completed with 97 facilities using QRiS and 64 connected to the Enterprise PACS.

While significant progress has been made, a number of challenges remain, including:

- Access to radiology reports for referring clinicians outside of QH.

- Seamless sharing of radiology reports and images between the Enterprise QRiS/PACS and those hospitals that use facility based RIS and PACS.

The increase in teleradiology capable hospitals has meant that there is a significant increase in the manual transfer of digital radiology studies between the multiple stand alone PACS. The demand for this highly labour intensive service continues to grow as shown by the following table:

Table 64: PACS transmissions

	2008-09		2009-10		2010-11		2011-12	
Sites reporting PACS transmissions	33	25%	38	29%	34	26%	60	47%
PACS transmissions								
Inbound	45,698	39%	61,661	35%	91,384	40%	106,360	41%
Outbound - internal QH			75,559		79,442		91,335	
Outbound - external (private etc)			40,926		60,505		65,342	
Total outbound	71,163	61%	116,485	65%	139,947	60%	156,677	59%
Total transmissions	**116,861**		**178,146**	**52%**	**231,331**	**30%**	**265,037**	**15%**

4: Radiology Informatics Support Unit

The Radiology Informatics Support Unit (RISU) was established in May 2010 to support the QRiS and its integration to the Enterprise PACS.

Significant milestones for RISU for the 2011-12 period include:

- July 2011: QRiS and Enterprise PACS went live at Quilpie Hospital – completing the teleradiology service for the South West Health Service District.
- August 2011: The Wide Bay Health Service District implementation was completed – Maryborough Hospital went live on 2 August.
- August 2011: PACS Administrators Forum held in Brisbane and attended by 50 participants from various PACS sites, QH staff and vendor representatives.
- September 2011: Scheduled user training for QRiS & PACS via the QH videoconferencing network was established.
- October 2011: The first two reports created and endorsed by the Queensland Health Enterprise Reporting Service (QHERS) User Group - Radiologist Reporting Statistics and External Reporting Statistics, became available for general use.
- January 2012: PACS Administrators Forum held in Brisbane and attended by staff from many areas including Cairns, Townsville, Bundaberg, Longreach and most metro sites.
- February 2012: QRiS & Enterprise PACS went live at the Children's Health Service (CHS) on 11 February. The system will enable CHS to provide better health care services to children in rural, remote and indigenous communities throughout Queensland.
- February 2012: General radiography (XR) and Image Intensifier (II) Exam Catalogues were endorsed by the QHIP Steering Committee.

- April 2012: Boigu and Saibai Island Primary Health Care Centres became part of the QH teleradiology network.

- April 2012: RISU was inspected by NCS International and received ISO 9001 Certification.

- April 2012: The first QRiS User Group forum was held on 26 April and was well attended. The group was formed in order to allow sharing of knowledge and ideas, as well as concerns, amongst the stakeholder groups that use and support the QRiS.

- May 2012: The QHIP Steering Committee endorsed the CT Statewide Imaging Exam Catalogue on 14 May.

- June 2012: The number of studies stored on the Enterprise PACS has risen by 25% and the number of images stored has increased by 44% in the 2011-12 period. As of June 30 2012 there are 1,590,914 studies and 212,057,030 images stored in Enterprise PACS

5: Supporting our workforce

There have been significant improvements to the medical imaging workforce since 2006 including:

- Additional radiology registrar positions, 12 in 2006, 4 in 2010, 3 in 2011.
- Development of education and training frameworks under the Allied Health Clinical Education and Training Unit (AHCETU).
- Additional relieving radiographer positions (5) under the Statewide Medical Imaging Support Service (SMISS).
- Additional graduate radiographer and trainee sonographer positions (34 in total).
- Additional undergraduate radiography positions.

In 2008 work commenced on a standard form of contract for 9 Districts to access private sector radiology services where access to radiologists was limited or unavailable. The first contract was established in 2009 for the Mackay Health Service District.

In 2008, the X-ray Exchange Program, funded under the QH People Plan, provided opportunities for skills transfer between Medical Radiation Professionals (MRPs) at rural, regional and metro facilities. Benefits included training for rural and remote MRPs at major facilities while those from metro and regional areas were exposed to rural practice. 36 staff participated in the first 12 months of the program and the program was then extended for a second year with 27 participants (funded by a Quality Grant from DoHA).

In 2010, the Licensed Operator Framework Project, sponsored by AHCETU and Radiology Support made recommendations for statewide consistency in the delivery of services provided by X-ray Operators. In 2012, the X-ray Operator Services Policy was finalised to establish a standardised approach to the training and support of X-ray operators.

In 2010, QH submitted applications under the Specialist Training Program (STP) for radiology registrar positions funded by DoHA. Four positions were approved as follows: BreastScreen

(Brisbane Northside), BreastScreen (Brisbane Southside), The Townsville Hospital, and Mackay Hospital / The Townsville Hospital.

In 2011, three additional positions were approved at Toowoomba Hospital, Nambour Hospital and Gold Coast Hospital, bringing the total to seven positions funded until December 2013.

In 2011-12, the Teleradiography Project funded under the Allied Health Models of Care program, trialled the video-conference supervision of X-ray operators. The project found a statistically significant increase in all aspects of image quality as well as being able to reduce the travel burden for rural and remote staff.

6: Patient Safety and Quality

6.1 Correct patient, Correct procedure, Correct side and site (3Cs)

In 2007, the Patient Safety Centre approved a proposal to fund the development and implementation of a correct patient, correct procedure, correct site and side (3Cs) initiative for radiology services. This was in response to a significant number of identification errors in MI. The 3Cs process was successfully implemented at 129 sites with more than 900 MI staff trained. By 2008-09, there was a decrease in wrong patient adverse incidents reported.

In 2012, a 3Cs online training package was delivered to support ongoing compliance.

6.2: Diagnostic Imaging Accreditation Scheme (DIAS)

DoHA introduced the DIAS in 2008 and 118 facilities were successful in achieving Stage I accreditation by 30 June 2009.

DIAS Stage II commenced on 1 July 2010 and for the first time, both radiology and non-radiology based diagnostic imaging services were included. 125 MI, Cardiology, Obstetrics and Gynaecology, and Nuclear Medicine departments performing diagnostic imaging services achieved compliance with the 15 Practice Accreditation Standards by June 2012. This means these services can continue accessing Medicare funding.

DIAS compliance has been supported by the development of a number of statewide policies and protocols, including:

- Policy for Medical Imaging Contrast Media Administration
- More than 100 patient information resources including consent forms, patient information sheets, radiation safety posters and multi-lingual resources; developed under the Informed Consent Program.
- Anatomical Radiographic Guidelines and Radiographic Protocols for X-ray Operators.
- Ultrasound Clinical Practice Guidelines, developed by the Section Senior Sonographers Reference Group.
- A statewide MRI Safety Questionnaire, developed by the MRI Reference Group.

- A statewide medical imaging request form.
- Shielding protocols for paediatric radiography.
- Local Diagnostic Reference Levels (DRLs) for CT, setting a radiation dose benchmark.

A QH Policy for the Provision of Diagnostic Imaging Reports was finalised early 2010 which clearly outlines the requirement for a report to be available in a clinically appropriate timeframe. Funding allocated to support improvements in reporting rates includes:

- Clinical Practice Improvement Payment (CPIP) funded by the Centre for Healthcare Improvement and allocated to Districts for significant improvement in reporting rates.
- Telehealth Expansion Program supported teleradiology coordinators in five Districts with additional funds allocated based on the number of unreported studies in 2009 and 2010.

6.3: Credentialing and Scope of Clinical Practice for Radiologists

The revised Credentialing and defining the Scope of Clinical Practice for Medical Practitioners and dentists in Queensland Health Policy was implemented on 1 July 2011.

In November 2011, the radiologist register, compiled by Radiology Support was merged with the Office of Rural and Remote Health Credentialing Database thus providing access to the credentialing status of all radiologists (public and private) working for QH.

This means a radiologist appearing on the centrally maintained register is now deemed to have that approved scope of clinical practice consistent with the CSCF level for each QH facility. This process is particularly useful where radiologists are providing services across multiple Districts as they only need to be credentialed once. To ensure ongoing compliance, Radiology Support conducts monthly audits of radiologist reports on QRiS and highlights any credentialing issues to the relevant Districts.

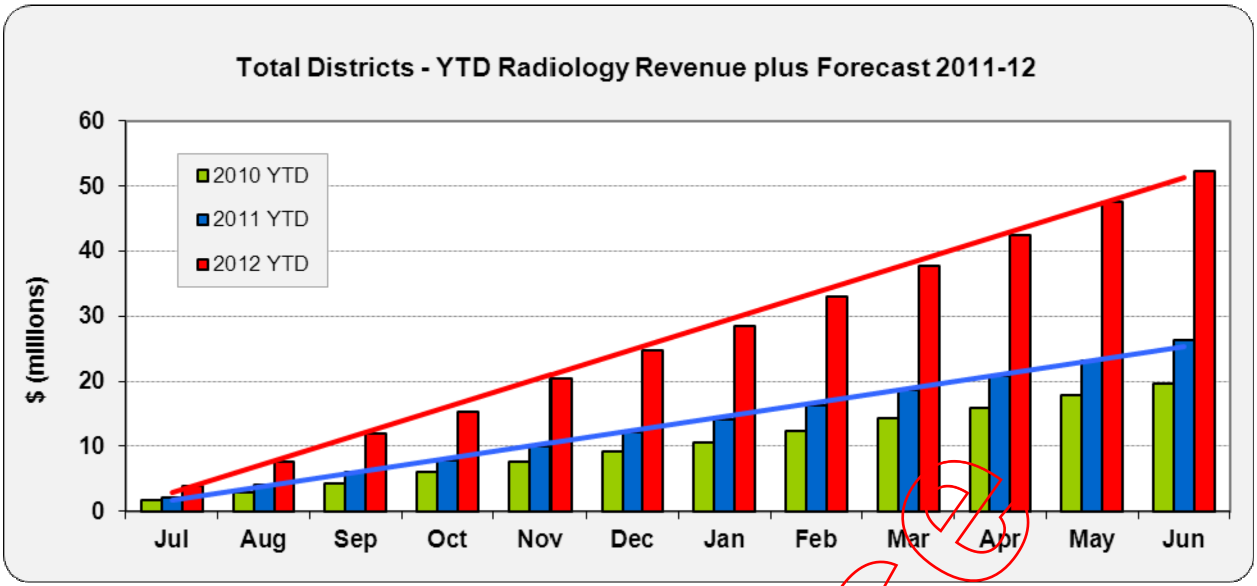
7: Sustainability

The Diagnostic Ownsource Revenue Initiative (DORI) commenced in 2009 with funding provided by the Statewide Own Source Revenue Unit (SOSRU) to improve the capture of eligible billable occasions of service in radiology and pathology. Since 2010, the project has focussed on radiology.

Radiology revenue collection has significantly increased as follows:

- 2008 - 2009 $16.04M
- 2009 - 2010 $19.72M
- 2010 - 2011 $26.55M
- 2011 - 2012 $52.25M

Figure 32: Radiology Revenue Year to Date (all Districts – including RBWH Nuclear Medicine)



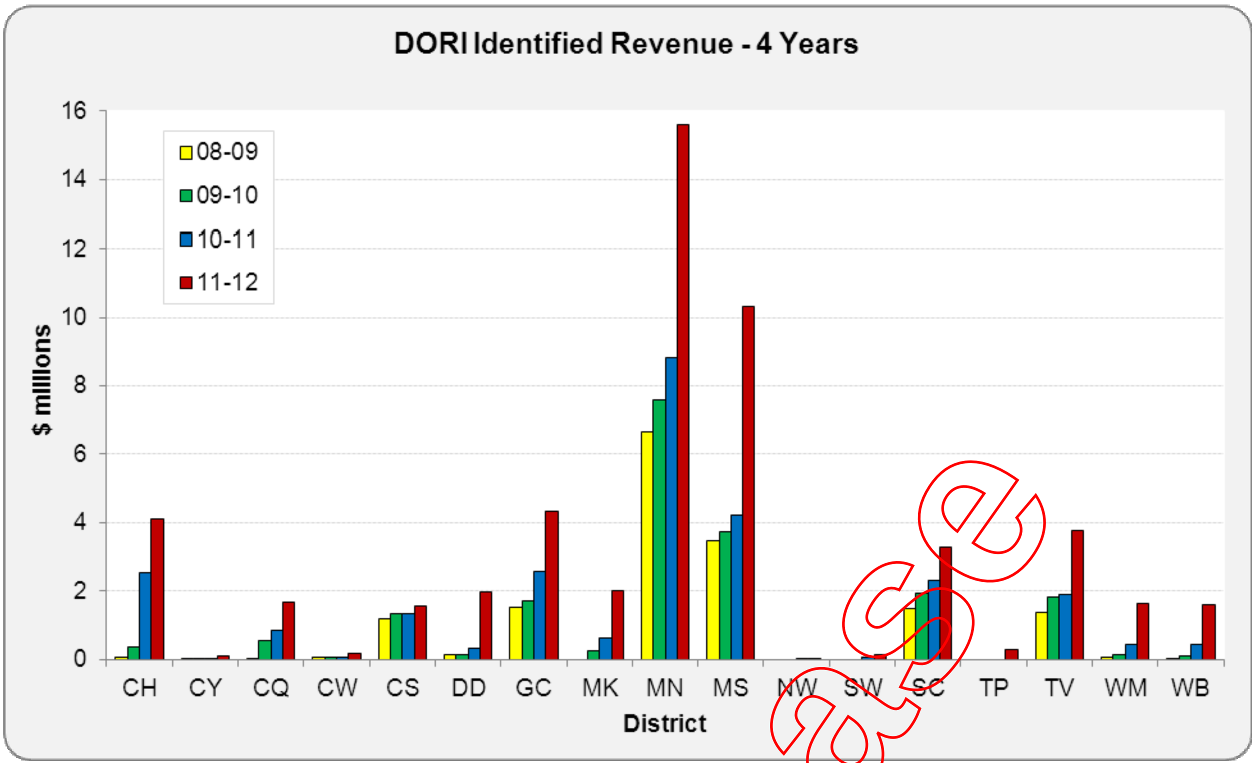
Strategies utilised by DORI to aid in achieving the above result included the development and provision of documentation, workflows and support to the Districts. During 2011-12 the DORI team focussed on the following:

- Supporting MI Departments to implement the G20 Rule regarding the provision of outpatient imaging services
- Analysing of revenue capture per CSCF level and patient workload
- Targeting interventions to sites which were below benchmarks and required additional assistance to increase revenue
- Simplifying revenue collection information
- Supporting RRMBS and COAG 19(2) sites to capture revenue
- Engaging with many levels of Medical Imaging professional community
  - Association of Medical Radiation Directors Queensland
  - QHIP steering committee
  - Radiology billing coordinators
  - X-ray Operators via workshops and videoconferences
  - State wide Medical imaging support service radiographers
- Engaging with Own Source Revenue Development Network and District revenue managers
- Assisting departments with outsourcing contracts by developing business rules and billing clauses
- Visiting sites and providing a complete analysis of current revenue capture processes and creating a plan for optimising revenue capture via work practice improvements
- Providing a telephone support service for MBS billing enquiries
- Presenting information to DoHA regarding impact of proposed MBS changes
- Informing stakeholders of MBS changes and providing new workflows to accommodate these changes

Table 65: District own source revenue figures

District	2008-09	2009-10	2010-11	2011-12
Cairns and Hinterland (CH)	$57,383	$357,924	$2,532,908	$4,119,006
Cape York (CY)	$33,911	$12,170	$171	$90,720
Central Queensland (CQ)	$2,610	$568,361	$841,843	$1,676,888
Central West (CW)	$48,821	$46,522	$71,079	$178,477
Children's Health Services (CHS)	$1,197,508	$1,353,498	$1,351,851	$1,554,014
Darling Downs (DD)	$146,363	$135,669	$308,528	$1,973,091
Gold Coast (GC)	$1,531,472	$1,728,729	$2,574,054	$4,324,258
Mackay (MK)	$0	$240,515	$640,160	$2,008,933
Metro North (MN)	$6,640,456	$7,572,780	$8,824,711	$15,577,464
Metro South (MS)	$3,470,471	$3,725,045	$4,224,679	$10,330,711
North West (NW)	$0	$0	$45,161	$37,091
South West (SW)	$0	$0	$77,748	$133,469
Sunshine Coast (SC)	$1,482,530	$1,917,112	$2,315,056	$3,271,912
Torres Strait – Nthn Pen. (TS)	$0	$0	$0	$307,445
Townsville (TV)	$1,361,346	$1,824,799	$1,883,994	$3,782,200
West Moreton (WM)	$47,151	$151,016	$436,681	$1,636,247
Wide Bay (WB)	$16,838	$84,726	$421,896	$1,594,490
Total for Districts	**$16,036,860**	**$19,718,866**	**$26,550,521**	**$52,596,415**

Figure 33: District own source revenue as identified through DORI project



Individual facility details for own source revenue collection are at Appendix 16.

8: Diagnostic Imaging Strategy

In 2011, the Queensland Clinical Senate met to address challenges and opportunities under the theme *Better Care, Better Value, Lower Costs*. Five key recommendations relating to diagnostic imaging were formed, focussed around the development of a Diagnostic Imaging Strategy. In February 2012, Sg2 were engaged as consultants to assist with the Strategy development.

Significant stakeholder engagement was conducted to inform the Strategy, including a survey with 389 responses (refer to Part C of this report) and 14 group workshops with 170 attendees across Brisbane, Cairns and Townsville. The final Strategy is expected to be delivered in 2012-13.

9: Statewide Medical Imaging Support Service

In 2011-12 the Statewide Medical Imaging Support Service (SMISS) continued to provide the following services across the state:

- Radiographer locums
- Introductory X-ray operator (XO) Training
- XO annual licence renewal competency assessment
- Radiographic screening services for the Queensland Tuberculosis Control Centre (QTBCC) and Outreach Clinics in Far North Queensland.

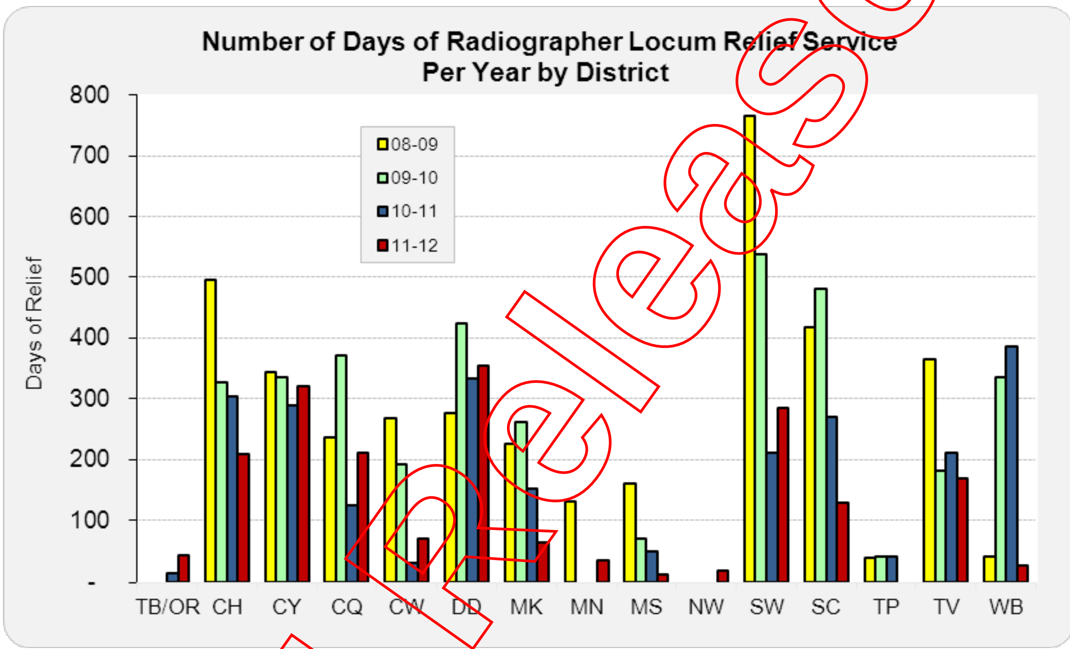
9.1 Radiographer locum services

In 2011-12 SMISS received a total of 180 requests for relief from which 162 (90%) occasions of service were able to be provided across the state.

In total, SMISS provided 1939 days of service across the Districts during the last financial year. Comparing this to a 5-day weekly roster equates to a total of 8.2 FTEs. Also included were services to QTBCC and the TB Outreach Clinics (indicated as TB/OR in Figure 34).

There has been a decline in requests compared to previous years; this is mainly attributable to the appointment of permanent radiographers in some of the rural sites, alleviating the need for long term relief periods covering vacancies. However, many of these staff still rely on SMISS to provide relief for periods of leave.

Figure 34: Total District locum services provided by SMISS

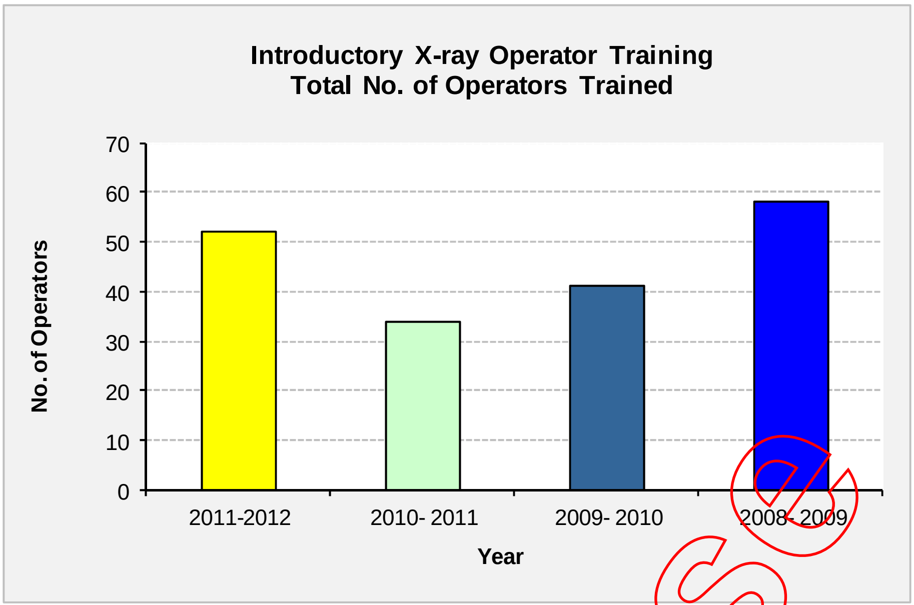


9.2 Introductory XO Training

In the 2011-12 period SMISS provided Introductory Training for a total of 52 new XOs from 35 locations across Queensland. Three SMISS radiographers are approved by Radiation Health to deliver the Introductory Training course.

The participants were nursing, administration and operational staff. The training was delivered at the following locations: Oakey, Yarrabah, Tully, Palm Island, St George, Gin Gin, Charleville, Cloncurry, Dysart and Stradbroke Island.

Figure 35: Four year comparison of introductory training totals for XOs by District

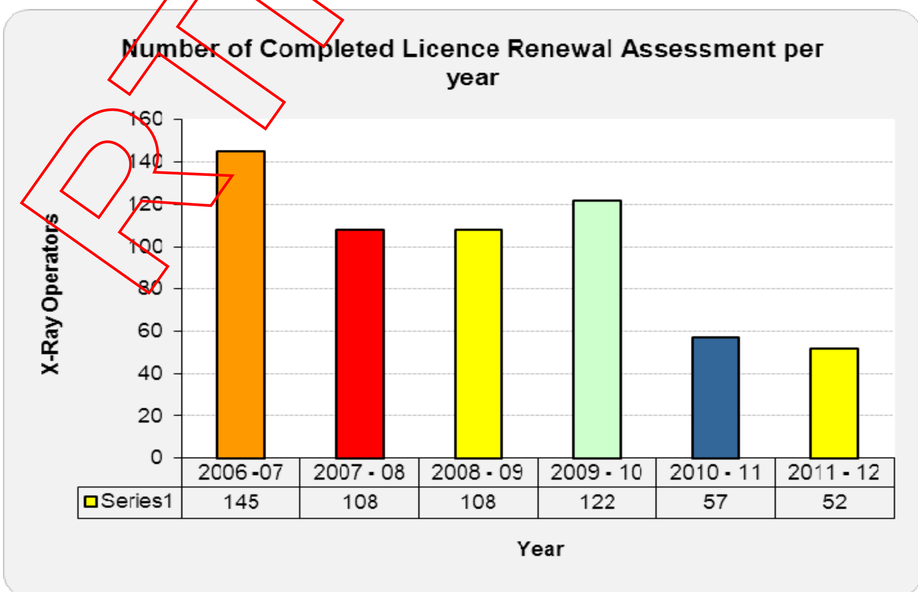


9.3 XO annual licence renewal competency assessment

Competency assessments are required annually to renew the Use Licence of an XO. There are currently eight SMISS radiographers approved by Radiation Health to perform XO competency assessments. Two radiographers were added to the list this year after completing a Certificate IV in Training and Assessment.

In 2011-12 SMISS provided 52 competency assessments for XOs at the following locations: Doomadgee, Mornington Island, Kowanyama, Wujal Wujal, Aurukun, Blackwater, Augathella, Blackall, Bowen, Cloncurry, Cunnamulla, Gin Gin, Julia Creek, Normanton, Proserpine, Quilpie, Sarina and Weipa. Ongoing support for the XOs in the Mt Isa District was also provided.

Figure 36: Licence Renewal Assessments over a six year period



PART C: "HAVE YOUR SAY" SURVEY

1: Background

On June 30 and July 1, 2011 the Queensland Clinical Senate met to address challenges and opportunities under the theme *Better Care, Better Value, Lower Cost* and to develop and provide recommendations on how services can be utilised to provide better care. Five key recommendations relating to diagnostic imaging were formed including a recommendation to develop an overarching statewide diagnostic imaging strategy directed towards providing best value and quality to Queenslanders and be locally owned and led.

As part of the development of the diagnostic imaging strategy, a survey was formulated on medical imaging services.

2: Purpose

To receive feedback from stakeholders on their perception of the current state and expected future state of medical imaging services in QH.

3: Method

The survey was set up in *Survey Monkey*, to enable access by both internal and external stakeholders. The survey link was emailed to 235 stakeholders, including 31 external stakeholders and 25 Directors / Committee Chairs for distribution to their staff / members.

3.1 Survey Questions

Questions 1 to 21 were compulsory and were answered by clicking one or more radio buttons.

Questions 1, 2 and 3 were designed to find out the role, district and geographical area of the participant. In this way it could be determined if there was a bias in the responses based on these descriptors.

Questions 4 to 15 concentrated on a current state analysis of medical imaging services, and were based around 6 critical success factors (quality, innovation, equity, workforce, performance and business model).

Questions 16 to 21 concentrated on the future state of medical imaging services by asking participants to force rank issues to be addressed in their perceived order of priority. These issues were divided between the 6 critical success factors used as headings in the current state analysis.

Questions 22 to 25 were non-compulsory and were answered by filling in a free text box.

Question 22 asked participants to list the key strengths of medical imaging services.

Questions 23 to 25 asked participants to list the key issues that QH must address as a matter of priority in the immediate, near term (within three years) and long term (within ten years).

4: Results

4.1 Survey responses

- Total number of surveys submitted: 389
- Total number of surveys completed to Question 15 (current state): 268
- Total number of surveys completed to Question 21 (future state): 227
- Total number of surveys completed to Question 25 (free text): 127

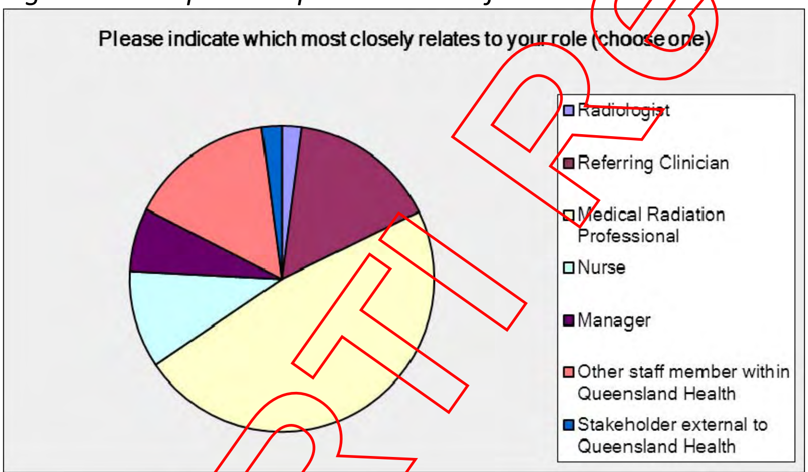
4.2 Result summary

Question 1: Please indicate which most closely relates to your role

Table 66: Percentage breakdown of respondents by role

Options	Response %
Radiologist	2.1%
Referring Clinician	15.7%
Medical Radiation Professional	47.8%
Nurse	10.3%
Manager	6.7%
Other staff member within QH	15.4%
Stakeholder external to QH	2.1%

Figure 37: Graphical representation of Table 66



Comment:

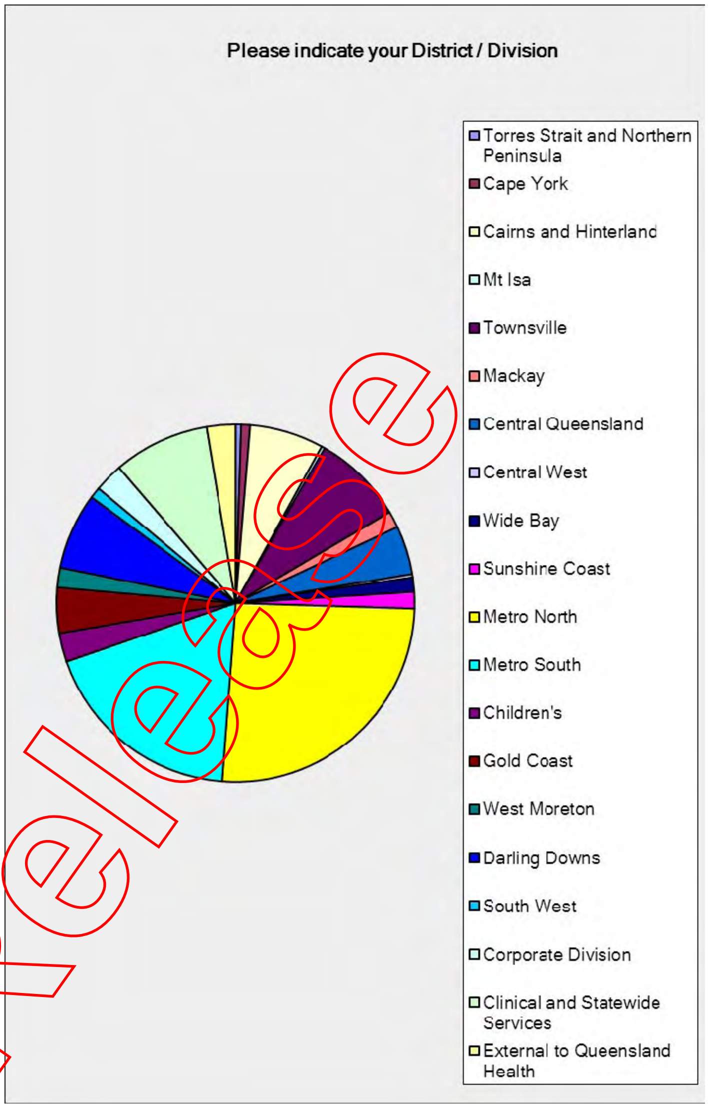
- **Almost half of the respondents (186) were Medical Radiation Professionals (MRPs)**

Question 2: Please indicate your District / Division

Table 67: Percentage breakdown of respondents by District/Division

Options	Response %
Cairns and Hinterland	6.7%
Cape York	0.8%
Central Queensland	4.4%
Central West	0.3%
Children's Health Services	2.6%
Darling Downs	6.9%
Gold Coast	4.1%
Mackay	1.5%
Metro North	25.7%
Metro South	18.5%
Mount Isa	0.3%
South West	1.0%
Sunshine Coast	1.5%
Torres Strait – North. Pen.	0.5%
Townsville	8.2%
West Moreton	1.8%
Wide Bay	1.3%
Corporate Division	2.6%
Clinical & Statewide Serv.	8.7%
External to QH	2.6%
Other	1.5%

Figure 38: Graphical representation of Table 67



Comments:

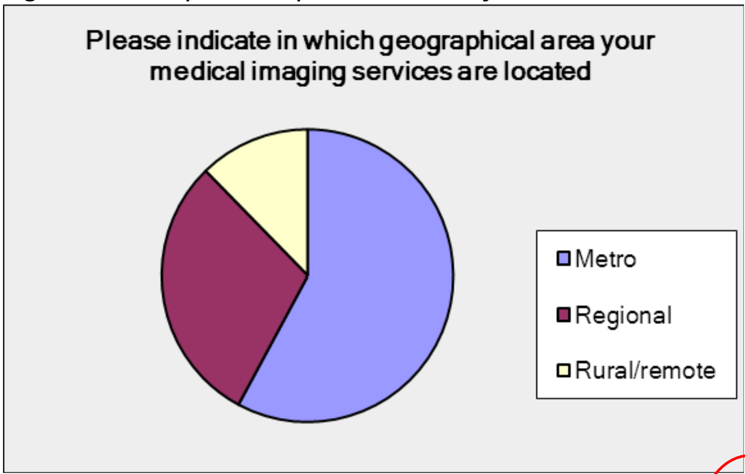
- **All Districts are represented in the survey**
- **Almost half the respondents are employed in either Metro North or Metro South District**

Question 3: Please indicate in which geographical area your medical imaging services are located

Table 68: Percentage breakdown of respondents by geographical area

Options	Response %
Metro	57.8%
Regional	29.8%
Rural/Remote	12.3%

Figure 39: Graphical representation of Table 68



Comment:

- **Just over half (58%) of the respondents were employed in the metro area (corroborated by results of question 2)**

4.3 Current state assessment of medical imaging services in Queensland Health

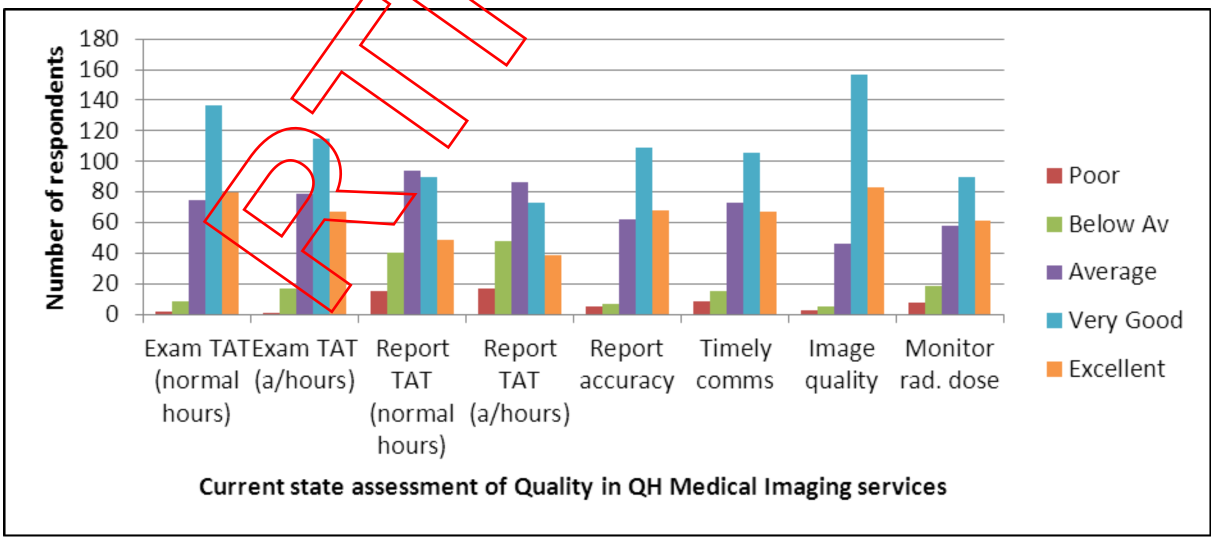
Questions 4 – 15 were prefaced with the following comment: Score each item as it pertains to your current opinion of medical imaging services. The items are grouped under 6 headings and should be viewed from the context of the appropriate heading (Quality, Performance, Innovation, Equity, Workforce, Business Model).

Question 4: Quality

Table 69: Responses rating aspects of a quality medical imaging service

Statements	Current opinion of medical imaging services n = number of respondents (Total number of respondents for each statement = 341)					
	Poor	Below Average	Average	Very Good	Excellent	Unknown
4.1 Examination turn-around time (normal working hours)	2	9	75	137	80	38
4.2 Examination turn-around time (after hours)	1	17	79	115	67	62
4.3 Report turn-around time (normal working hours)	15	40	94	90	49	53
4.4 Report turn-around time (after hours)	17	48	86	73	39	78
4.5 Report accuracy	5	7	62	109	68	90
4.6 Timely communication of urgent or abnormal findings	9	15	73	106	67	71
4.7 Image acquisition quality	3	5	46	157	83	47
4.8 Monitoring of radiation dose	8	19	58	90	61	105

Figure 40: Graphical representation of responses



Results show that for the statements around examination turn-around time, report accuracy, timely communication of results, image acquisition and monitoring of radiation dose, most respondents rated the medical imaging service as “very good” or “excellent”.

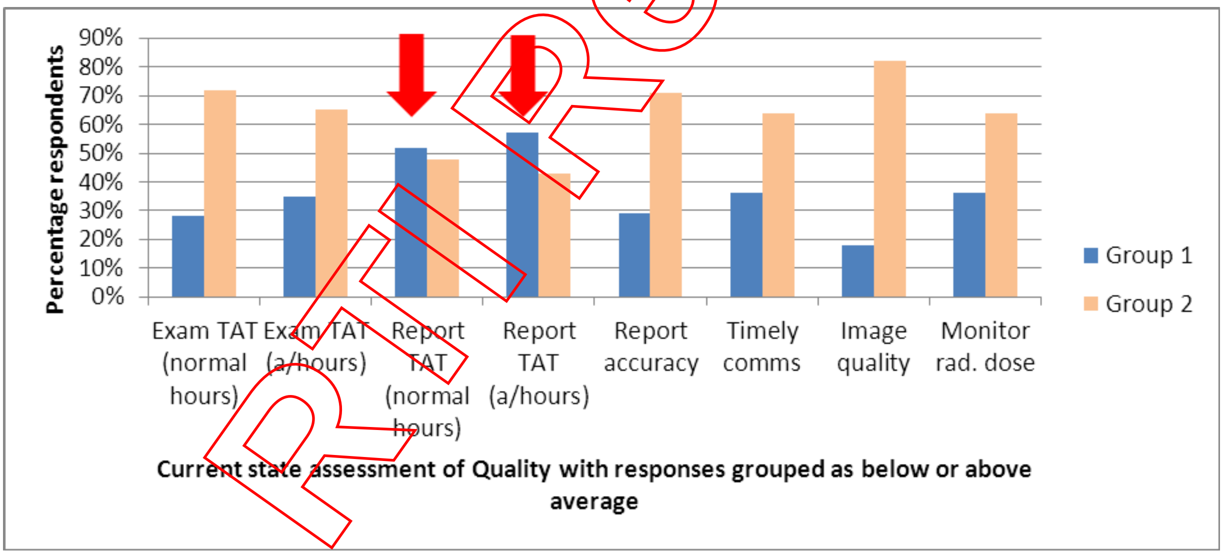
For the statements around report turn-around time, most respondents rated the medical imaging service as “average”, “below average” or “poor”.

This becomes more evident when the ratings are represented in 2 groups, with Group 1 incorporating the percentage responses for “poor”, “below average” and “average”; and Group 2 incorporating the responses for “very good” and “excellent” as per Table 5 below.

Table 70: Percentage breakdown of respondents in groups

Statements	Percentage of respondents	
	Group 1 Poor, Below Average, Average	Group 2 Very Good, Excellent
4.1 Examination turn-around time (normal working hours)	28%	72%
4.2 Exam turn-around time (after hours)	35%	65%
4.3 Report turn-around time (normal working hours)	**52%**	**48%**
4.4 Report turn-around time (after hours)	**57%**	**43%**
4.5 Report accuracy	29%	71%
4.6 Timely communication of urgent or abnormal findings	36%	64%
4.7 Image acquisition quality	18%	82%
4.8 Monitoring of radiation dose	36%	64%

Figure 41: Graphical representation of responses in groups 1 and 2



The majority of respondents (>50%) indicated that report turn-around times are poor, below average or average.

Comments:

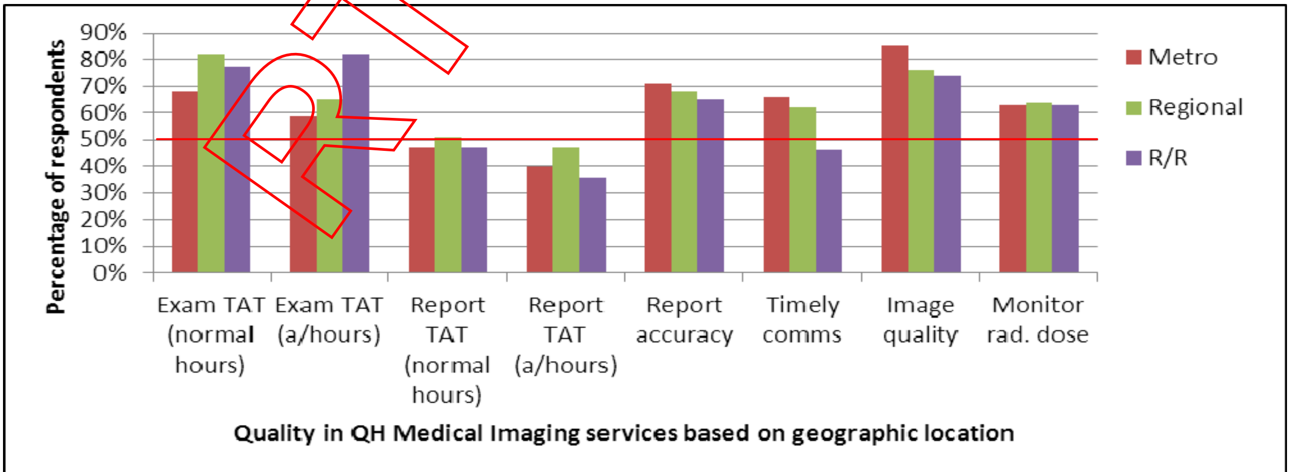
- **52% of respondents rated Report turn-around time (in normal working hours) as "poor", "below average" or "average"**
- **57% of respondents rated Report turn-around time (after hours) as "poor", "below average" or "average"**
- **For all other statements around Quality, the majority of respondents (≥64%) rated the medical imaging service as "very good" or "excellent"**

To see if the geographic location (metro, regional, rural/remote[R/R]) of the respondent had an impact on their assessment of the current state, the results were filtered based on this criteria.

Table 71: Percentage of respondents (filtered by geographic location) answering statements as "very good" or "excellent".

Statements	Percentage of "very good" and "excellent" responses		
	Metro	Regional	Rural & Remote
4.1 Examination turn-around time (normal working hours)	68%	82%	77%
4.2 Exam turn-around time (after hours)	59%	65%	82%
4.3 Report turn-around time (normal working hours)	47%	51%	47%
4.4 Report turn-around time (after hours)	40%	47%	36%
4.5 Report accuracy	71%	68%	65%
4.6 Timely communication of urgent or abnormal findings	66%	62%	46%
4.7 Image acquisition quality	85%	76%	74%
4.8 Monitoring of radiation dose	63%	64%	63%

Figure 42: Graphical representation of "very good" or "excellent" responses



Results showed little difference based on geographical location across the 8 statements answered, apart from statement 4.2 (examination turn-around time after hours), where rural/remote respondents considered this better than examination turn-around time during normal working hours, and statement 4.6 (timely communication of urgent or abnormal findings) where less than 50% of rural/remote respondents thought that communication of urgent or abnormal findings were timely.

The results also show that regardless of the respondent's location, less than half rated report turn-around times as "very good" or "excellent".

Comments:

- **After hours examination turn-around time rated better than normal working hours turn-around time (82% vs 77%) for rural/remote respondents only**
- **Less than half (46%) of rural/remote respondents considered the communication of urgent or abnormal findings timely**

Question 5: Performance

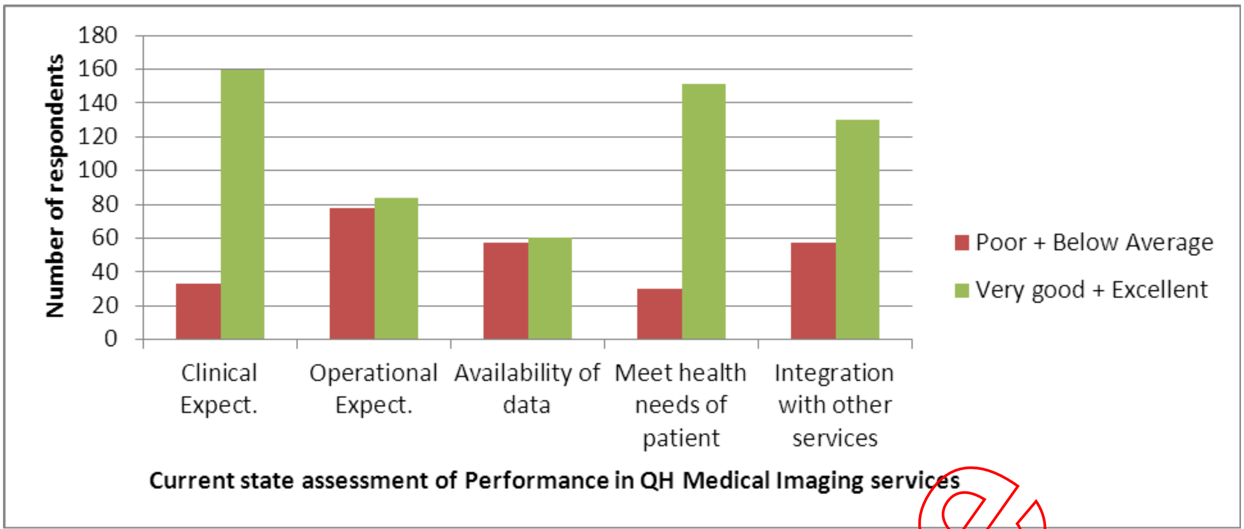
Table 72: Responses rating aspects of the current performance of medical imaging services

Statements	Current opinion of medical imaging services n = number of respondents (Total number of respondents for each statement = 313)					
	Poor	Below Average	Average	Very Good	Excellent	Unknown
5.1 Ability of the service to meet clinical expectations	9	24	96	105	55	24
5.2 Ability of the service to meet operational expectations	18	60	112	61	23	39
5.3 Availability of data to inform performance metrics, benchmarking, volume and forecast mapping	23	34	103	44	16	93
5.4 Ability to meet the health needs of the patient	8	22	105	101	50	27
5.5 Integration of medical imaging with other clinical services	23	34	96	91	39	30

The data shows that very few respondents rate the current performance of medical imaging services in Queensland Health as "poor".

For three of the 5 statements, the combined "very good" + "excellent" responses are significantly greater than the totals for "poor" + "below average" responses.

Figure 43: Combined responses for each statement



Further analysis was performed by removing the 'unknown' responses and applying various filtering criteria including: referring clinician; medical radiation professional; metro; regional; rural/remote (Tables 73-77)

'Referring clinicians' (15.7% of total respondent pool) were considered the best placed to provide information on the medical imaging service's ability to meet **clinical** expectations. Looking at the percentages for "average", "very good" and "excellent" responses in Table 73, it is apparent that they feel the medical imaging service currently meets clinical expectations, with only 17% rating the service as "poor" and "below average".

Table 73: Responses to statement 5.1 filtered by referring clinician

Statements		Poor	Below Average	Average	Very Good	Excellent
5.1 Ability of the service to meet clinical expectations (Refer='referring clinician' responses only)	All	3%	8%	33%	36%	19%
	Refer	6%	11%	28%	28%	25%

MRPs (47.8% of total respondents) were considered appropriately placed to comment on the ability of the service to meet **operational expectations**, and whether the service has the data available to inform performance metrics, benchmarking, volume and forecast mapping.

Tables 74 and 75 shows that MRP responses closely mirror those of the whole respondent pool for these two statements, with the majority of respondents indicating that the medical imaging service is "average" at meeting operational expectations, and having the available data to inform performance metrics.

Table 74: Responses to statement 5.2 filtered by MRP

Statements		Poor	Below Average	Average	Very Good	Excellent
5.2 Ability of the service to meet operational expectations	All	6%	22%	41%	22%	8%
	MRP	7%	23%	41%	22%	5%

Table 75: Responses to statement 5.3 filtered by MRP

Statements		Poor	Below Average	Average	Very Good	Excellent
5.3 Availability of data to inform performance metrics, benchmarking, volume and forecast mapping	All	10%	15%	46%	20%	7%
	MRP	8%	15%	51%	19%	6%

Geographic location (metro [58% respondents], regional [30% respondents], rural/remote [12% respondents]) was used as a filter for statements 5.4 and 5.5 to ascertain if one location rated the medical imaging service better able to meet the health needs of the patient and better able to integrate with other clinical services.

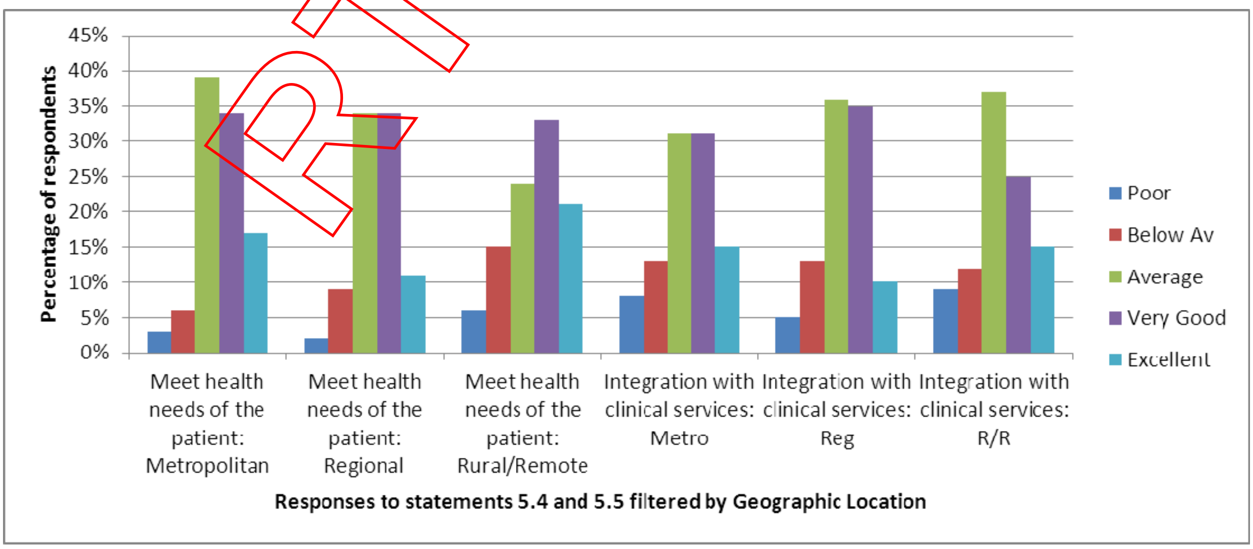
Table 76: Responses to statement 5.4 filtered by geographic location

Statements		Poor	Below Average	Average	Very Good	Excellent
5.4 Ability to meet the health needs of the patient (Metro = metropolitan, Reg = regional, R/R = rural/remote)	Metro	3%	6%	39%	34%	17%
	Reg	2%	9%	34%	34%	11%
	R/R	6%	15%	24%	33%	21%

Table 77: Responses to statement 5.5 filtered by geographic location

Statements		Poor	Below Average	Average	Very Good	Excellent
5.5 Integration of medical imaging with other clinical services (Metro = metropolitan, Reg = regional, R/R = rural/remote)	Metro	8%	13%	31%	31%	15%
	Reg	5%	13%	36%	35%	10%
	R/R	9%	12%	37%	25%	15%

Figure 44: Graphical representation of responses to statements 5.4 and 5.5 filtered by geographic location



More respondents from rural / remote settings rated the ability of the service to meet the health needs of the patient as “excellent” than their regional and metropolitan counterparts. This is interesting, considering the large distances that patients need to travel for access to advanced medical imaging services in some of the more remote areas.

Comments:

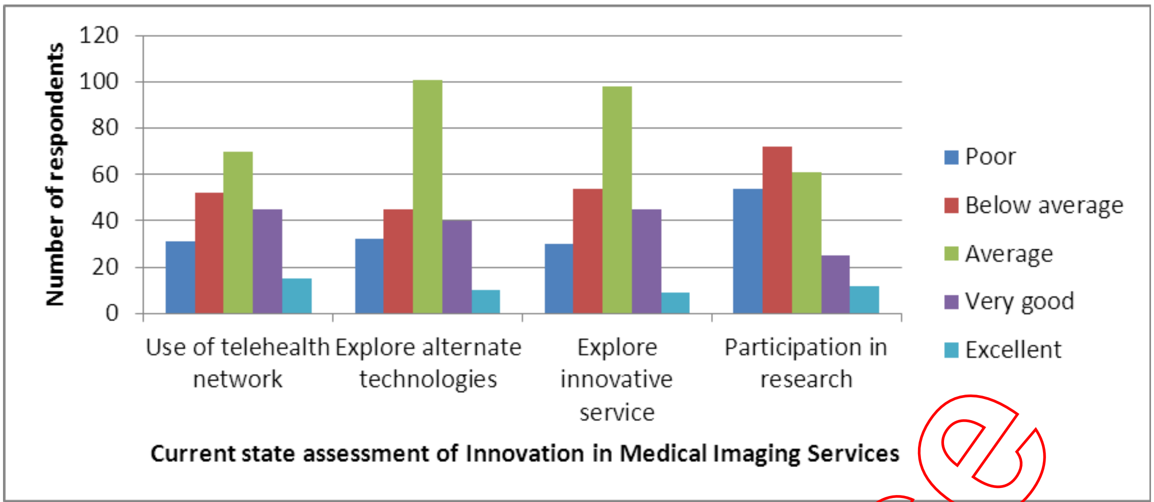
- **Responses were positive from referring clinicians when considering whether the medical imaging service had the ability to meet clinical expectations**
- **Respondents were fairly evenly divided (below and above average)when considering whether the medical imaging service had the ability to meet operational expectations and whether the service had the availability of data to inform performance metrics, benchmarking, volume and forecast mapping**
- **Respondents from rural/remote locations were more positive about the medical imaging service meeting the health needs of patients**
- **Respondents were positive when considering whether the medical imaging service integrated with other clinical services**

Question 6: Innovation

Table 78: Responses rating the current level of innovation of medical imaging

	Current opinion of medical imaging services n = number of respondents (Total number of respondents for each statement = 313)					
Statements	**Poor**	**Below Average**	**Average**	**Very Good**	**Excellent**	**Unknown**
6.1 Use of telehealth network to support training activities	31	52	70	45	15	100
6.2 Capacity to explore alternate technologies	32	45	101	40	10	85
6.3 Capacity to explore innovative service delivery	30	54	98	45	9	77
6.4 Participation in research	54	72	61	25	12	89

Figure 45: Graphical representation of responses rating current level of innovation



The graphs shows that for all 4 statements respondents thought Queensland Health's ability to embrace innovation in medical imaging services is average at best. For the question relating to participation in research, over 56% of the responses were either "below average" or "poor".

Comment:

- **Respondents thought that the medical imaging service was average or below in the areas of innovation and research participation**

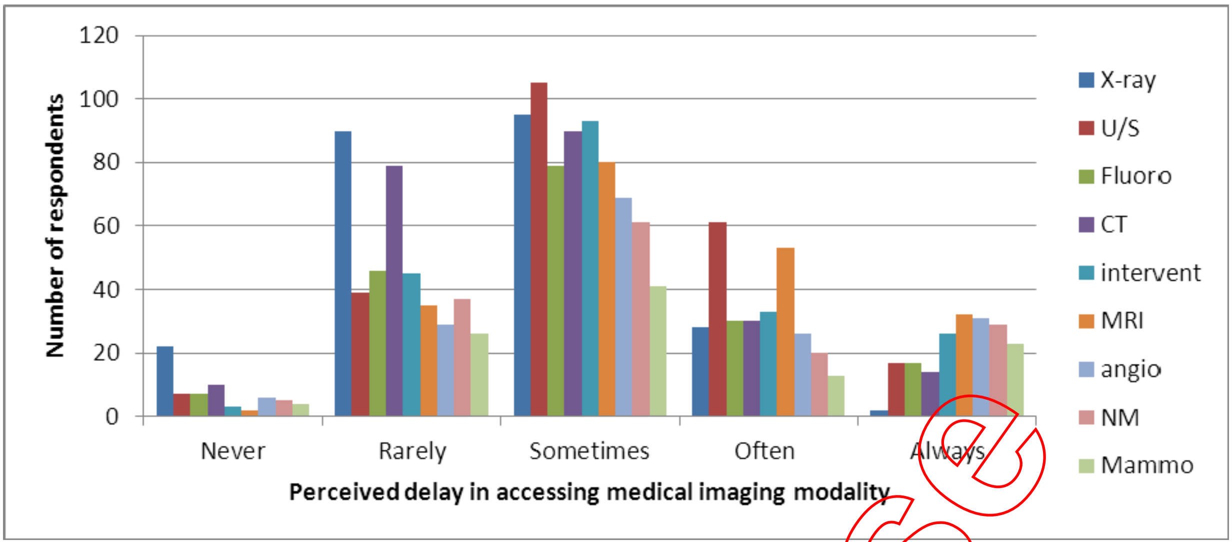
Questions 7 & 8: Equity

Table 79: Responses given for perceived delays in access to medical imaging modalities

Statement 7 – How often are there delays in a patient's access to:	Current opinion of medical imaging services n = number of respondents (Total number of respondents for each statement = 296)				
	Never	Rarely	Sometimes	Often	Always
General X-ray	22	90	95	28	2
Ultrasound	7	39	105	61	17
Fluoroscopy	7	46	79	30	17
CT	10	79	90	30	14
Interventional	3	45	93	33	26
MRI	2	35	80	53	32
Angiography	6	29	69	26	31
Nuclear Medicine	5	37	61	20	29
Mammography	4	26	41	13	23

Note: "Unknown" responses have not been displayed

Figure 46: Graphical representation of responses



As Figure 46 shows, most respondents stated that there were "sometimes" delays in a patient's access to any modality. However for the modalities of ultrasound and MRI, 26% and 25% of respondents respectively indicated that there were 'often' access delays. On the other hand, for the modalities of General X-ray and CT, 38% and 35% of respondents respectively indicated that there were 'rarely' access delays.

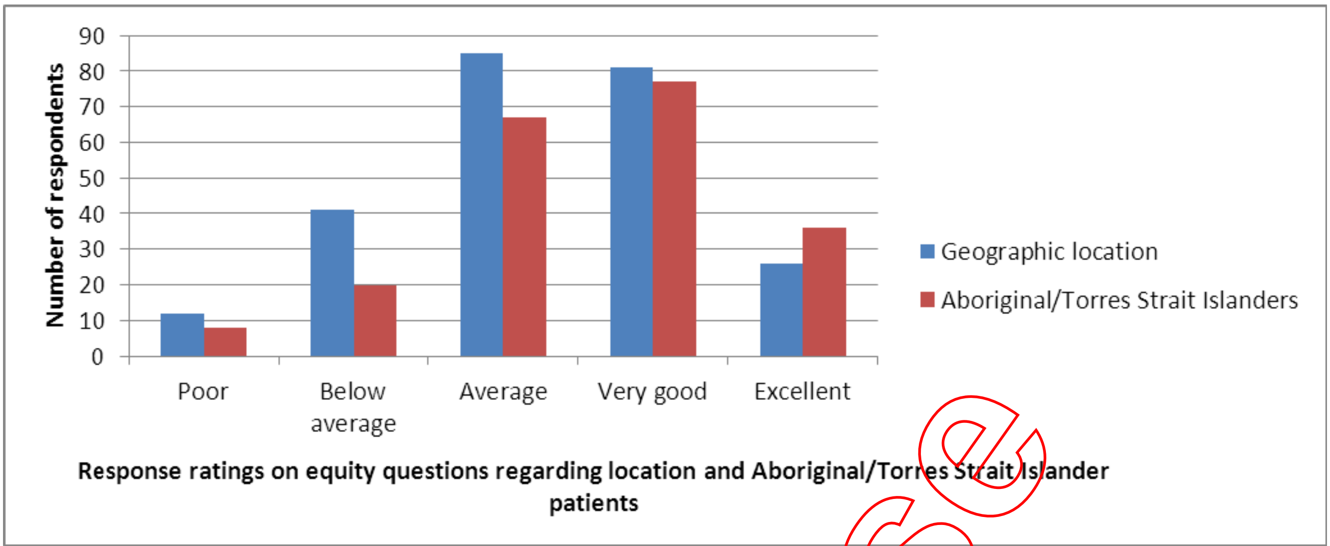
Comment:

- **Respondents indicated that patients 'often' experienced delays accessing ultrasound and MRI, but only 'rarely' or 'sometimes' experienced delays accessing general X-ray and CT**

Table 80: Responses to equity questions

Statement 8 – Ability of the service to support:	Poor	Below Average	Average	Very Good	Excellent
Care delivery to Aboriginal and Torres Strait Islanders	8	20	67	77	36
Care delivery regardless of geographic location	12	41	85	81	26

Figure 47: Graphical representation of responses to equity questions



Most respondents indicated that the ability of the medical imaging service to support Aboriginal and Torres Strait Islanders was "average" or "very good". This was also reflected in the responses regarding the ability to support care delivery regardless of geographic location.

Comment:

- **54% respondents rate the ability of the service to support the care delivery to Aboriginal and Torres Strait Islanders as "very good" or "excellent"**
- **78% respondents rate the ability to support care delivery regardless of geographic location as "average" to "excellent"**

Questions 9 to 13: Workforce

Table 81: Responses to 5 questions relating to the medical imaging workforce
Note: "Not Applicable" responses have not been displayed

Question:	No. of responses	
	Yes	No
9. Are there adequate staff numbers to deliver appropriate, safe, accessible and sustainable medical imaging services?	97	139
10. Do staff have access to receive medical imaging training in field of expertise?	166	53
11. Do appropriate staff have the ability/tools to undertake workforce planning?	81	50
12. At a statewide level, does the service have the ability to implement standardised approaches for a modality?	103	56
13. At a departmental level, does the service have the ability to implement standardised approaches for a modality?	168	23

Figure 48: Graphical representation of responses to workforce questions

Apart from question 9 on adequate staff numbers, where nearly 2/3 of the respondents answered in the negative, all other questions relating to workforce (training, planning, standardisation) displayed (as a minimum) a 60% positive/40% negative response split .

For each question on workforce, respondents were given the option of adding a free text comment, if they answered a question in the negative. A summary of these is provided in Table 82. Many responses to questions 12 and 13, gave 'uniqueness' (of their department / workload / patients / referrers) as their reasoning against standardisation.

Table 82: Summary of topics covered by free text comments, (n) = number of responses

Question:	Summary of free text comment topics for a "No" response
9. Are there adequate staff numbers to deliver appropriate, safe, accessible and sustainable medical imaging services?	Due to: staff shortages (46), identified funding (16), ultrasound resource shortage (15), need to cover hours of service (12), lack of training (8), increased workload (7), miscellaneous (14)
10. Do staff have access to receive medical imaging training in field of expertise?	Due to: staff shortages (17), lack of education positions (7), lack of funding (5), lack of equipment (3), inadequate time for CPD (6), miscellaneous (15)
11. Do appropriate staff have the ability/tools to undertake workforce planning?	Lack of: access (1), time (6), training (6), personnel (4), no plan (8), limited priority (6)
12. At a statewide level, does the service have the ability to implement standardised approaches for a modality?	Lack of: buy in (1), image/report sharing (4), consistent approach (13), different equipment (1), understanding (8), resources (1), ability to standardise due to uniqueness (9), miscellaneous (10)
13. At a departmental level, does the service have the ability to implement standardised approaches for a modality?	Lack of: training (2), leadership (1), resources (5), ability to standardise due to uniqueness (8), miscellaneous (7)

Comments:

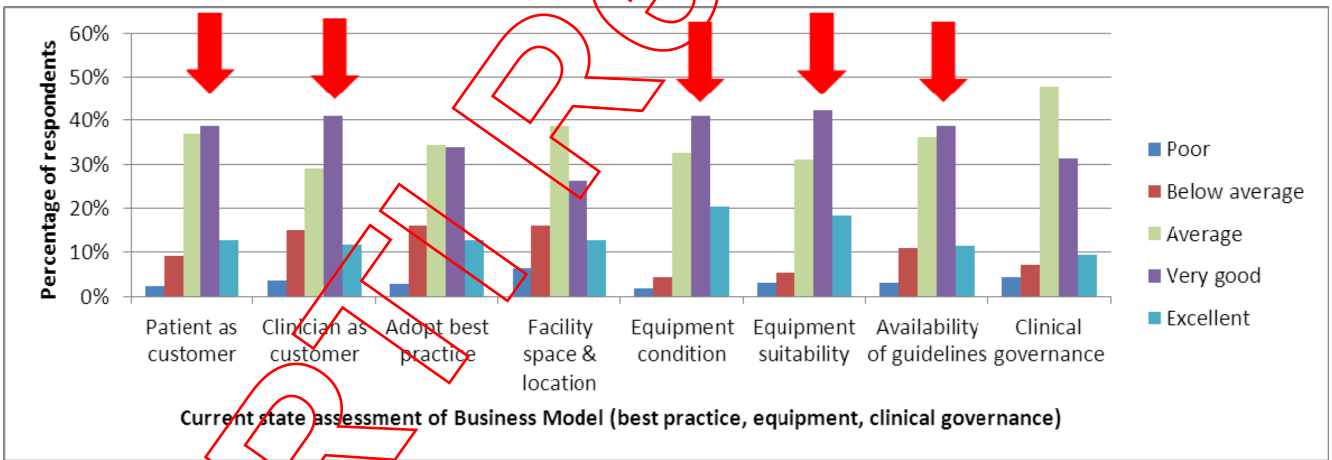
- **Majority of respondents (60%) indicated that there were inadequate staff numbers within medical imaging.**
- **Majority of respondents (>60%) indicated that there was access to training, and the ability to undertake planning and modality standardisation within medical imaging departments.**
- **Up to one third of respondents indicated 'uniqueness of their department' as a block to a standardised approach**

Questions 14: Business Model (Part 1)

Table 83: Responses rating the current business model (note: "Unknown" responses not displayed)

Statements	Current opinion of medical imaging services n = number of respondents (Total number of respondents for each statement = 268)				
	Poor	Below Average	Average	Very Good	Excellent
14.1 Ability to meet customer service expectations, where a patient is the customer	5	21	84	88	29
14.2 Ability to meet customer service expectations, where a referring clinician is the customer	8	35	67	95	27
14.3 Ability to adopt best practice consistently across Queensland Health medical imaging departments	6	34	73	72	27
14.4 Facility space and location	15	38	91	62	30
14.5 Condition of equipment	4	10	73	92	46
14.6 Suitability of equipment	7	12	69	94	41
14.7 Availability of guidelines / process workflows for services provided	6	22	73	78	23
14.8 Clinical governance mechanisms	8	13	87	57	17

Figure 49: Graphical representation of responses rating current business model



The majority of respondents rated some aspects of the business model as "very good", as indicated by the red arrows above. For the other 3 statements, the combination of "average" and "very good" responses is between 65% and 79%, as compared to the combination of "poor" and "below average" responses which is between 11% and 22%.

Comments:

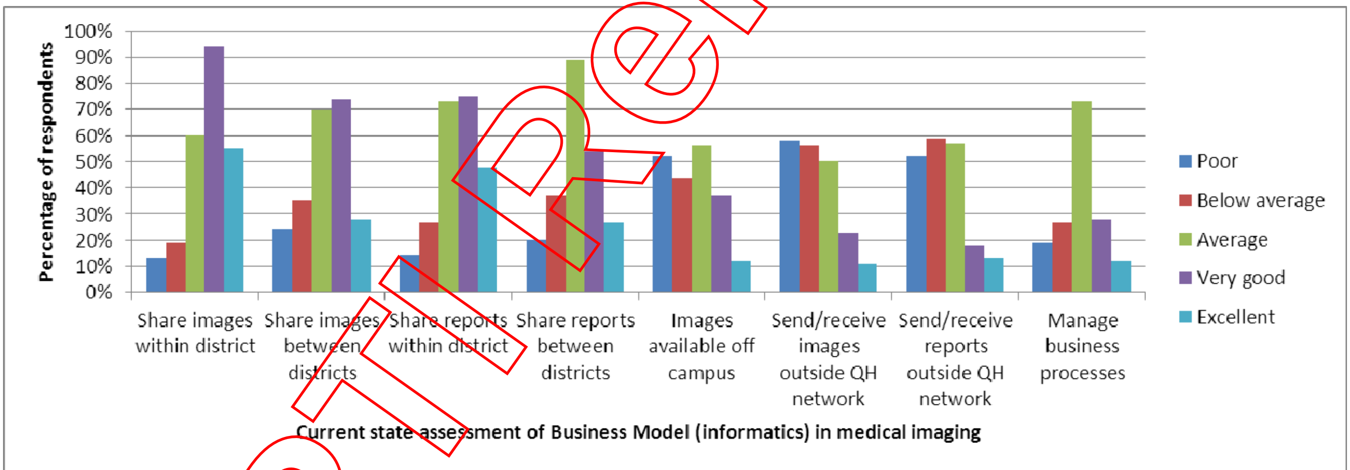
- **The ability of the medical imaging service to meet customer expectations is very good**
- **The ability of the medical imaging service to adopt best practice and clinical governance mechanisms is average or above**

Question 15: Business Model (Part 2)

Table 84: Responses rating the current business model in terms of informatics

Statements	Current opinion of medical imaging services (Total number of respondents for each statement = 268)				
	Poor	Below Average	Average	Very Good	Excellent
15.1 Ability to share images within a district	13	19	60	94	55
15.2 Ability to share images between districts	24	35	70	74	28
15.3 Ability to share reports within a district	14	27	73	75	48
15.4 Ability to share reports between districts	20	37	89	54	27
15.5 Availability of images to review off campus	52	44	56	37	12
15.6 Ability to send/receive images outside the Queensland Health network	58	56	50	23	11
15.7 Ability to send/receive reports outside the Queensland Health network	52	59	57	18	13
15.8 Capacity to manage business processes e.g. contract, vendors, ICT services (RIS/PACS)	19	27	73	28	12

Figure 50: Graphical representation of responses rating current business model (informatics)



The majority of respondents consider the ability of the medical imaging service to share images, and to a large extent reports, within Queensland Health "very good". However the majority of respondents consider the ability of the medical imaging service to review images off campus, and send/receive images and reports outside the Queensland Health network "below average" or "poor". Respondents rating whether the medical imaging service has the capacity to manage business processes around contracts, vendors, ICT etc consider the service "average" at best.

Comment:

- **Access to images and reports within Queensland Health is very good, however the ability to send/receive images and reports outside of Queensland Health is poor**

4.4 Future state assessment of medical imaging services in Queensland Health

Questions 16 to 21 were prefaced with the following comment: In the context of your vision for the future state of medical imaging services in Queensland Health, rank the following in order of priority. Numbers can only be used once for each set of statements.

Question 16: Quality

Table 85: Responses ranking Quality statements in order of priority

Statement:	5 (lowest)	4	3	2	1 (highest)
16.1 Patient's perception of quality	**51%**	16%	13%	10%	10%
16.2 Clinician's perception of quality	14%	**39%**	19%	18%	11%
16.3 Quality of image acquisition	8%	11%	18%	32%	**31%**
16.4 Attention to patient safety issues	16%	18%	**25%**	15%	26%
16.5 Quality of image report	11%	16%	25%	**25%**	22%

Order of Priority (Highest to Lowest)

1. *Quality of image acquisition*
2. *Quality of image report*
3. *Attention to patient safety issues*
4. *Clinicians perception of quality*
5. *Patients perception of quality*

Comment:

- **Respondents rated the quality of image acquisition, followed by the quality of imaging report as the top priorities of medical imaging services moving into the future**

Question 17: Performance

Table 86: Responses ranking Performance statements in order of priority

Statement:	4 (lowest)	3	2	1 (highest)
17.1 Ability of the service to meet clinical expectations	10%	23%	**44%**	22%
17.2 Ability of the service to meet operational expectations	31%	**41%**	22%	6%
17.3 Ability to meet the health needs of the patient	11%	16%	18%	**56%**
17.4 Integration of medical imaging with other clinical services	**48%**	20%	16%	16%

Order of Priority (Highest to Lowest)

1. Ability to meet the health needs of the patient
2. Ability of the service to meet clinical expectations
3. Ability of the service to meet operational expectations
4. Integration of medical imaging with other clinical services

Comment:

- **The ability of the medical imaging service to meet both the health needs of the patient and clinical expectations are seen as the top priorities moving into the future**

Question 18: Innovation

Table 87: Responses ranking Innovation statements in order of priority

Statement:	5 (lowest)	4	3	2	1 (highest)
18.1 Imaging technology / modality / applications	8%	10%	14%	14%	**55%**
18.2 Imaging informatics infrastructure	8%	18%	28%	**35%**	11%
18.3 Tele-radiology services	16%	22%	**33%**	19%	11%
18.4 Electronic clinical decision support	13%	**35%**	16%	25%	11%
18.5 Clinical research in medical imaging	**55%**	16%	10%	7%	12%

Order of Priority (Highest to Lowest)

1. Imaging technology / modality / applications
2. Imaging informatics infrastructure
3. Tele-radiology services
4. Electronic clinical decision support
5. Clinical research in medical imaging

Comment:

- **Imaging technology, modalities and applications, followed by imaging informatics infrastructure are seen as the top priorities for medical imaging services moving into the future**

Question 19: Equity

Table 88: Responses ranking Equity statements in order of priority

Statement:	5 (lowest)	4	3	2	1 (highest)
19.1 Access to imaging modalities	11%	7%	28%	13%	**41%**
19.2 Access to images	7%	16%	23%	**36%**	18%
19.3 Access to imaging reports	5%	13%	**36%**	29%	17%
19.4 Sensitivity and appreciation of different community / cultural needs	**50%**	26%	4%	10%	11%
19.5 Standardised approach to delivery of imaging services	27%	**38%**	10%	12%	13%

Order of Priority (Highest to Lowest)

1. Access to imaging modalities
2. Access to images
3. Access to imaging reports
4. Standardised approach to delivery of imaging services
5. Sensitivity and appreciation of different community / cultural needs

Comment:

- **Access to imaging modalities, followed by access to images and imaging reports are seen as the top priorities for medical imaging services moving into the future**

Question 20: Workforce

Table 89: Responses ranking Workforce statements in order of priority

Statement:	4 (lowest)	3	2	1 (highest)
20.1 Adequate medical imaging staff numbers	17%	4%	14%	**66%**
20.2 Access to training and support	7%	23%	**53%**	16%
20.3 Access to workforce planning	15%	**54%**	25%	6%
20.4 Access to workforce planning tools	**61%**	19%	8%	12%

Order of Priority (Highest to Lowest)

1. Adequate medical imaging staff numbers
2. Access to training and support
3. Access to workforce planning
4. Access to workforce planning tools

Comment:

- **Adequate medical imaging staff numbers, followed by access to training and support are regarded as the highest priorities moving into the future**

Question 21: Business Model

Table 90: Responses ranking Business Model statements in order of priority

Statement:	5 (lowest)	4	3	2	1 (highest)
21.1 Level of capital investment and funding	19%	24%	15%	17%	25%
21.2 Local control of capital investment and funding	19%	23%	18%	23%	17%
21.3 Customer service to patients	15%	11%	24%	20%	**30%**
21.4 Customer service to clinicians	8%	27%	21%	**31%**	13%
21.5 Imaging informatics connectivity	**38%**	16%	22%	9%	15%

The two statements - Level of capital investment and funding; and local control of capital investment and funding – were difficult to separate as priorities 3 and 4, and therefore the order of priority is written to reflect this.

Order of Priority (Highest to Lowest)

1. Customer service to patients
2. Customer service to clinicians
3/4. Local control of capital investment and funding
3/4. Level of capital investment and funding
5. Imaging informatics connectivity

Comment:

- **Customer service to the patient followed by customer service to the clinician are seen as the highest priorities of medical imaging services moving into the future**

4.5 Stakeholder comments

Questions 22 to 25 provided free text fields which allowed stakeholders to provide comments.

Question 22: What are the key strengths of medical imaging across Queensland Health?

Table 91: Summary of topics covered by 'Key strengths' responses

Comment:	No. respondents (Total = 134)
Dedication and quality of medical imaging staff	41
Connectivity: QRIS, PACS, network	33
Quality service	29
Equipment	24
Miscellaneous	7

Comment:

- **Dedication and quality of medical imaging staff is regarded as a key strength**

Question 23: What are the key issues that Queensland Health must address as a matter of priority in order to improve medical imaging?

Table 92: Summary of topics covered by 'Key issues as a matter of priority' responses

Comment:	No. respondents (Total = 154)
Maintaining staff numbers and staff training, including sonographers	53
Access to images/reports regardless of RIS/PACS used, internal and external to QH	32
Equitable and faster access to modalities	13
Access to funding for departments and a clinical imaging network	12
Reporting rates and report turn-around times	7
Developing a 24/7 mentality	5
Need for clinical decision support system	5
Access to and availability of a radiologist	4
Integration with other clinical services	3
Standardisation of protocols across the state	3
Capital investment	3
Workforce / workload planning, clinical governance	6
Miscellaneous	6

Comment:

- **Maintaining staff numbers and training are highlighted as key issues to be addressed**

Question 24: What are the key issues that Queensland Health must address in the near-term (within three years) in order to improve medical imaging?

Table 93: Summary of topics covered by 'Key issues in the near-term' responses

Comment:	No. respondents (Total = 140)
Maintaining staff numbers and staff training, including sonographers	41
Access to images/reports regardless of RIS/PACS used, internal and external to QH	35
Equitable and faster access to modalities	12
Standardisation of protocols across the state	6
Access to funding for departments and a clinical imaging network	2
Reporting rates and report turn-around times	4
Need for clinical decision support system	3
Access to and availability of a radiologist	2
Integration with other clinical services	4
Capital investment	7
Workforce planning	4
Miscellaneous	4

Question 25: What are the key issues that Queensland Health must address in the long-term (within ten years) in order to improve medical imaging?

Table 94: Summary of topics covered by 'Key issues in the long-term' responses

Comment:	No. respondents (Total = 127)
Maintaining staff numbers and staff training, including sonographers	26
Access to images/reports regardless of RIS/PACS used, internal and external to QH	21
Equitable and faster access to modalities	7
Access to funding for departments and a clinical imaging network	9
Service - quality, competitiveness	9
Need for clinical decision support system	5
Access to and availability of a radiologist	2
Integration with other clinical services	1
Standardisation of protocols across the state	2
Capital investment	16
Workforce / workload planning, clinical governance	13
Miscellaneous	4

Comment:

- **Maintaining staff numbers and staff training are again highlighted as key issues**

Appendix 1:

RADIOLOGY DATA COLLECTION SHEET - 1 July 2011 - 30 June 2012

X-RAY OPERATOR ONLY SITES to complete green spaces. Other facilities to complete both blue and green spaces.

DISTRICT:		Select DISTRICT first to enable activation of FACILITY lists
FACILITY:		

SUBMITTING OFFICER:	
PHONE NUMBER:	
EMAIL ADDRESS:	

WORKLOAD INFORMATION (ACQUISITION)

Please provide information re outsourcing and number of equipment units for each modality

A: Exam Numbers by Modality Type	In-House Exams	Equipment Units	Outsourced Exams	Outsourced Costs ($)
General X-Ray				
Mobile X-Ray				
Ultrasound (US)				
CT				
Angio / Interventional				
Fluoro Special Procedures				
Operating Theatre				
MRI				
Cardiac angio / US (MI reported)				
Cardiac angio / US (NOT MI reported)				
Nuclear Medicine				
Bone Mass Density				
Mammography				
Other (please specify in space to right)				
Exams (in-house) - Total A				

B: Examination Numbers by Patient Type	Exam Numbers	Attendance Numbers
Information available: (Yes/No)		
Emergency		
Public Out-patient		
Public In-patient		
Private Out-patient		
Private In-patient		
Patient Type Exams - Total B		

Attendance number is the times a patient utilises an individual modality

Total B in left column should equal Total A in-house exams above

REPORTING

C: Examination Reporting	Exam Nos	For public offsite and all private reporting: Reported by:	Yearly Cost:
Reporting available (Yes/No)			
Reported by Radiologist Publicly Onsite			
Reported by Radiologist Publicly Offsite			
Reported by Radiologist Privately Onsite			
Reported by Radiologist Privately Offsite			
Reported by Sonographer ONLY			
Reported by General Practitioner ONLY			
Reported by Cardiology Department			
Reported by Fracture or Dental Clinics			
Reported Exams Total C	0		$ -
Percentage Reported			

D: Reporting Turnaround Times (TAT)	Exam Nos
Exams reported within 24 hours	
Exams reported after 24 hours	
Reported Exams Total D	

Report TAT is the time between exam completion and report being available to the referring clinician

Please enter exam numbers reported - not percentages and check that Totals C and D match.

E: Reporting Satisfaction	Yes	Improving	No
Are you happy with your reporting service?			

WAITING TIMES FOR PATIENT APPOINTMENTS

This is the number of days to the next available appointment as at the time of completing this form. For comparison please provide the waiting times for a similar period from 2010-11.

Modality	Routine Inpatients		Outpatients	
	Days10-11	Days 11-12	Days10-11	Days 11-12
Ultrasound (excluding obstetrics)				
CT				
Angio / Interventional				
Fluoro Special Procedures				
MRI				

WORKFORCE INFORMATION

A: Employed by Imaging Facility	Total Funded FTEs	Vacant FTEs	
		Locum/ Backfill	NO Backfill
Radiologists			
Other Med. Specialists (eg Nuc Medicine Specialists			
Registrars			
VMOs			
Non-clinical Radiograph (eg Directors but excl PACS admin			
Radiographers (excludir (excluding PACS administration)			
Radiographer Sonographers			
Sonographers			
Other MRPs (eg Nuc Medicine Technologists			
SPP Graduates (NPDP)			
Other Professionals			
Nurses (registered and enrolled)			
Medical Imaging Assistants			
Operational Officers (other)			
Administrative Officers (excluding PACS administration)			
B: PACS Administration			
Radiographers			
RIS Analyst/Support			
Others (eg Telehealth Co-ordinator)			
Total Funded FTEs			

C: Miscellaneous	
% Sono FTEs dedicated to US	
Number of Sonographer Trainees	
Number of MRP student weeks	
Number of MRP students trained	

% of Rad/Sono & Sono FTEs as above

Sonographer trainee positions should also be included as Funded FTEs if applicable

D: X-Ray Operators Employed by the Hospital	CXR and Extremity	CXR Extremity Trainees	Rural & Remote Extended	R & R Extended Trainees
Number of Staff				

FINANCIAL INFORMATION - 2011-12 BUDGET EXPENDITURE

	Labour	Non Labour	Depreciation	Capital
Budget				
Expenditure				

Please complete as accurately as possible for Financial Year 2011-12

PATIENT BILLING PRACTICES

Does your facilty process patient billing for Medicare, DVA, Workers Comp? (Yes/No)	
Please supply an estimate of the revenue billed for 2011-12	

PACS STUDY TRANSFERS

Transfer Type	Numbers	Destinations
Outbound - Internal (QH facilities)		
Outbound - External (private providers, Mater, etc)		
Inbound transfers		

CLINICAL SERVICES CAPABILITY FRAMEWORK (CSCF) LEVEL

Please select a brief explanations provided below describing your facility's services.

Comment:

DUE DATE: Please complete and return by COB 10 August 2012

Email: HSSA-CSS-Rad@health.qld.gov.au Fax No: 07 3646 9813

Appendix 2:

RADIOLOGY DATA COLLECTION SHEET - 1 JULY 2010 - 30 JUNE 2011

X-RAY OPERATOR ONLY SITES to complete green spaces. Other facilities to complete both blue and green spaces.

DISTRICT:

FACILTY:

Select DISTRICT first to enable activation of FACILITY lists

SUBMITTING OFFICER:

PHONE NUMBER:

EMAIL ADDRESS:

WORKLOAD INFORMATION (ACQUISITION)

Please provide information re outsourcing and number of equipment units for each modality

A: Exam Numbers by Modality Type	In-House Exams	Outsourced Exams	Outsourced Costs ($)	Equipment Units
General X-Ray				
Mobile X-Ray				
Ultrasound (US)				
CT				
Angio / Interventional				
Fluoro Special Procedures				
Operating Theatre				
MRI				
Cardiac angio / US (MI reported)				
Cardiac angio / US (NOT MI reported)				
Nuclear Medicine				
Bone Mass Density				
Mammography				
Other (please specify in space to right)				
Modality Type Exams (in-house) - Total A	0	0	$ -	

B: Exam Numbers by Patient Type	Exam Numbers	Patient Numbers
Information available: (Yes/No)		
Emergency		
Public Out-patient		
Public In-patient		
Private Out-patient		
Private In-patient		
Patient Type Exams - Total B	0	0

If able to be provided, the examination numbers provided in the left column (Total B) should match the in-house examination numbers (Total A) in the section above.

REPORTING

C: Examination Reporting	Exam Nos	For public offsite and all private reporting	
Reporting available (Yes/No)			
Reported by Radiologist Publicly Onsite		Reported by:	Yearly Cost:
Reported by Radiologist Publicly Offsite			
Reported by Radiologist Privately Onsite			
Reported by Radiologist Privately Offsite			
Reported by Sonographer ONLY			
Reported by General Practitioner ONLY			
Reported by Cardiology Department			
Reported Exams Total C	0		$ -
Percentage Reported			

D: Reporting Turn-around Times	Exam Nos
Reported within 24 hours	
Reported after 24 hours	
Reported Exams Total D	0

Please enter examination numbers reported - not percentages. Also check that Totals C and D match.

E: Reporting Satisfaction	Yes	Improving	No
Are you happy with your reporting service?			

WAITING TIMES FOR PATIENT APPOINTMENTS

This is the number of days to the next available appointment as at the time of completing this form. If possible, could you also provide the waiting times for a similar period from the previous year.

Modality	Routine Inpatients		Outpatients	
	Days 2009-10	Days 2010-11	Days 2009-10	Days 2010-11
Ultrasound (excluding obstetrics)				
CT				
Angio / Interventional				
Fluoro Special Procedures				
MRI				

WORKFORCE INFORMATION

A: Employed by Imaging Facility	Total Funded FTEs	Vacant FTEs	
		Locum/ Backfill	NO Backfill
Radiologists			
Other Med Specialists eg Nuc Med			
Registrars			
VMOs			
Radiographers (excl PACS Admin)			
Radiographer Sonographers			
Sonographers			
Other MRPs eg Nuclear Med Technolo			
SPP Graduates (NPDP)			
Other Professionals			
Nurses (registered and enrolled)			
Medical Imaging Assistants			
Operational Officers (other)			
Administrative Officers (excl PACS)			
B: PACS Administration			
Radiographers			
RIS Analyst/Support			
Others (eg Telehealth Co-ordinator)			
Total Funded FTEs	0.00	0.00	0.00

C: Miscellaneous	
Number of Sonographer Trainees	
Number of MRP student weeks	
Number of MRP students trained	

Sonographer trainee positions should also be included as Funded FTEs if applicable

D: X-Ray Operators Employed by the Hospital	CXR and Extremity	CXR Extremity Trainees	Rural & Remote Extended	R & R Extended Trainees
Number of Staff				

FINANCIAL INFORMATION

	2009-10		2010-11	
	Budget	Expend.	Budget	Expend.
Labour				
Non Labour				
Depreciation				
Capital				

Please complete as accurately as possible for the previous two financial years

PATIENT BILLING PRACTICES

Does your facilty process patient billing for Medicare, DVA, Workers Comp? (Y/N)

Please supply an estimate of the revenue billed for 2010-11

PACS STUDY TRANSFERS

Transfer Type	Numbers	Destinations
Outbound - Internal (QH facilities)		
Outbound - External (private providers, Mater, etc)		
Inbound transfers		

Comment:

DUE DATE: Please complete and return this form by COB 19 Aug 2011

Email: Cass-Rad-BBR@health.qld.gov.au Fax Number: 07 3166 5148

Appendix 3:

MEDICAL IMAGING SITES BASIC WORKLOAD INFORMATION									
District	Facility	CSCF Level	Modalities Provided	Examinations Performed				Increase/ Decrease Rates	
				2008-09	2009-10	2010-11	2011-12	10-11 to 11-12	08-09 to 11-12
Cairns and Hinterland	Atherton	Level 2	X-rays (Rad)	4,323	3,967	4,657	5,481	18%	27%
	Babinda	Level 1	X-rays (XO)	366	619	430	490	14%	34%
	Cairns	Level 5	MRI excl Neuro	60,000	54,829	72,585	76,820	6%	28%
	Croydon	Level 1	X-rays (XO)	160	47	58	32	-45%	-80%
	Georgetown	Level 1	X-rays (XO)	41	56	71	25	-65%	-39%
	Innisfail	Level 4	X-rays, US, CT	3,197	3,637	6,001	6,275	5%	96%
	Mareeba	Level 3	X-rays, US (Sono)	4,660	6,188	6,732	7,548	12%	62%
	Mossman	Level 3	X-rays, US (Sono)	4,926	2,844	5,577	5,094	-9%	3%
	Tully	Level 1	X-rays (XO)	1,161	1,133	1,074	1,465	36%	26%
	Yarrabah	Level 1	X-rays (XO)	350	213	68	218	221%	-38%
Cairns and Hinterland				**79,184**	**73,533**	**97,253**	**103,448**	**6%**	**31%**
Cape York	Aurukun	Level 1	X-rays (XO)	296	457	195	166	-15%	-44%
	Coen	Level 1	X-rays (XO)	54	79	64	56	-13%	4%
	Cooktown	Level 3	X-rays, US (Sono)	1,230	2,331	2,710	2,689	-1%	119%
	Kowanyama	Level 1	X-rays (XO)	720	170	334	193	-42%	-73%
	Lockhart River	Level 1	X-rays (XO)	120	90	91	66	-27%	-45%
	Pormpuraaw	Level 1	X-rays (XO)	54	96	79	50	-37%	-7%
	Weipa	Level 3	X-rays, US (Sono)	1,594	1,311	1,691	2,771	64%	74%
	Wujal Wujal	Level 1	X-rays (XO)	34	54	81	92	14%	171%
Cape York				**4,102**	**4,588**	**5,245**	**6,083**	**16%**	**48%**
Central Queensland	Baralaba	Level 1	X-rays (XO)	162	211	173	214	24%	32%
	Biloela	Level 2	X-rays (Rad)	3,156	2,160	3,640	2,246	-38%	-29%
	Blackwater	Level 1	X-rays (XO)	590	924	451	412	-9%	-30%
	Emerald	Level 2	X-rays (Rad)	4,509	4,176	4,165	4,166	0%	-8%
	Gladstone	Level 3	X-rays, US (Sono)	10,392	9,163	10,234	9,640	-6%	-7%
	Moura	Level 1	X-rays (XO)	472	359	398	313	-21%	-34%
	Mt Morgan	Level 1	X-rays (XO)	630	433	471	608	29%	-3%
	Rockhampton	Level 5	MRI excl Neuro	53,446	52,781	49,463	53,525	8%	0%
	Springsure	Level 1	X-rays (XO)	140	199	353	267	-24%	91%
	Theodore	Level 1	X-rays (XO)	309	214	363	670	85%	117%
	Woorabinda	Level 1	X-rays (XO)	270	225	190	249	31%	-8%
	Yeppoon	Level 1	X-rays (XO)	2,906	1,058	388	259	-33%	-91%
Central Queensland				**76,982**	**71,903**	**70,289**	**72,569**	**3%**	**-6%**
Central West	Alpha	Level 1	X-rays (XO)	196	376	198	216	9%	10%
	Aramac	Level 1	X-rays (XO)	74	44	17	14	-18%	-81%
	Barcaldine	Level 1	X-rays (XO)	589	720	823	849	3%	44%
	Blackall	Level 1	X-rays (XO)	837	640	740	606	-18%	-28%
	Boulia	Level 1	X-rays (XO)	28	-	30	13	-57%	-54%
	Isisford	Level 1	X-rays (XO)	33	27	55	7	-87%	-79%
	Jundah	Level 1	X-rays (XO)	25	53	18	14	-22%	-44%
	Longreach	Level 3	X-rays, US (Sono)	2,421	2,509	2,928	3,325	14%	37%
	Muttaburra	Level 1	X-rays (XO)	31	28	30	19	-37%	-39%
	Tambo	Level 1	X-rays (XO)	160	95	50	28	-44%	-83%
	Winton	Level 1	X-rays (XO)	1,087	529	491	543	11%	-50%
Central West				**5,481**	**5,021**	**5,380**	**5,634**	**5%**	**3%**
Children's Health Services	RCH	Level 5	MRI excl Neuro	29,547	29,071	28,782	30,254	5%	2%
Children's Health Services				**29,547**	**29,071**	**28,782**	**30,254**	**5%**	**2%**
Darling Downs	Cherbourg	Level 1	X-rays (XO)	609	641	579	803	39%	32%
	Chinchilla	Level 1	X-rays (XO)	446	488	518	349	-33%	-22%
	Dalby	Level 2	X-rays (Rad)	5,308	5,566	4,873	4,792	-2%	-10%
	Goondiwindi	Level 2	X-rays (Rad)	4,231	4,116	3,555	4,540	28%	7%
	Inglewood	Level 1	X-rays (XO)	310	366	427	215	-50%	-31%
	Jandowae	Level 1	X-rays (XO)	116	92	78	46	-41%	-60%
	Kingaroy	Level 3	X-rays, US (Sono)	6,277	6,205	6,483	7,183	11%	14%
	Miles	Level 1	X-rays (XO)	1,227	1,067	862	1,013	18%	-17%
	Millmerran	Level 1	X-rays (XO)	597	762	926	551	-40%	-8%
	Murgon	Level 1	X-rays (XO)	1,094	967	877	657	-25%	-40%
	Nanango	Level 1	X-rays (XO)	208	280	244	197	-19%	-5%
	Oakey	Level 1	X-rays (XO)	316	175	191	300	57%	-5%
	Stanthorpe	Level 2	X-rays (Rad)	4,164	3,190	2,211	2,475	12%	-41%
	Tara	Level 1	X-rays (XO)	951	804	678	811	20%	-15%
	Taroom	Level 1	X-rays (XO)	263	167	228	410	80%	56%
	Texas	Level 1	X-rays (XO)	323	264	306	305	0%	-6%
	Toowoomba	Level 4	X-rays, US, CT	63,302	64,402	62,218	70,311	13%	11%
	Warwick	Level 2	X-rays (Rad)	4,540	5,060	4,736	6,435	36%	42%
Darling Downs				**94,282**	**94,612**	**89,990**	**101,393**	**13%**	**8%**
Gold Coast	Gold Coast	Level 6	MRI incl Neuro	102,671	151,039	98,264	96,985	-1%	-6%
	Robina	Level 5	MRI excl Neuro	44,586		44,965	55,242	23%	24%
Gold Coast				**147,257**	**151,039**	**143,229**	**152,227**	**6%**	**3%**

District	Facility	CSCF Level	Modalities Provided	Examinations Performed				Increase/ Decrease Rates	
				2008-09	2009-10	2010-11	2011-12	10-11 to 11-12	08-09 to 11-12
Mackay	Bowen	Level 2	X-rays (Rad)	2,802	4,872	4,320	4,941	14%	76%
	Clermont	Level 1	X-rays (XO)	707	465	586	567	-3%	-20%
	Collinsville	Level 1	X-rays (XO)	997	777	814	763	-6%	-23%
	Dysart	Level 1	X-rays (XO)	1,159	835	956	633	-34%	-45%
	Mackay	Level 4	X-rays, US, CT	34,381	34,441	36,079	38,429	7%	12%
	Moranbah	Level 3	X-rays, US (Sono)	3,164	2,491	2,689	2,812	5%	-11%
	Proserpine	Level 4	X-rays, US, CT	4,924	7,027	5,558	6,513	17%	32%
	Sarina	Level 1	X-rays (XO)	646	631	626	582	-7%	-10%
Mackay				**48,780**	**51,539**	**51,628**	**55,240**	**7%**	**13%**
Metro North	Caboolture	Level 5	MRI excl Neuro	46,919	50,101	54,474	58,635	8%	25%
	Kilcoy	Level 1	X-rays (XO)	297	587	1,306	581	-56%	96%
	RBWH	Level 6	MRI incl Neuro	186,791	183,318	180,307	196,475	9%	5%
	Redcliffe	Level 5	MRI excl Neuro	65,021	69,553	68,699	75,134	9%	16%
	TPCH	Level 5	MRI excl Neuro	92,393	96,626	109,753	109,285	0%	18%
Metro North				**391,421**	**400,185**	**414,539**	**440,110**	**6%**	**12%**
Metro South	Beaudesert	Level 2	X-rays (Rad)	3,579	3,059	3,035	3,068	1%	-14%
	Logan	Level 5	MRI excl Neuro	67,047	73,610	73,742	79,489	8%	19%
	PAH	Level 6	MRI incl Neuro	175,868	180,963	190,841	203,358	7%	16%
	QEII	Level 4	X-rays, US, CT	50,770	45,719	49,490	47,498	-4%	-6%
	Redland	Level 4	X-rays, US, CT	33,681	36,367	36,718	37,786	3%	12%
	Wynnum	Level 2	X-rays (Rad)	3,429	3,377	2,851	3,411	20%	-1%
Metro South				**334,374**	**343,095**	**356,677**	**374,610**	**5%**	**12%**
North West	Cloncurry	Level 1	X-rays (XO)	902	1,004	1,178	1,208	3%	34%
	Doomadgee	Level 1	X-rays (XO)	-	50	207	313	51%	526%
	Julia Creek	Level 1	X-rays (XO)	505	399	224	247	10%	-51%
	Mornington Is	Level 1	X-rays (XO)	300	64	467	298	-36%	-1%
	Mt Isa	Level 4	X-rays, US, CT	16,693	23,651	18,444	20,287	10%	22%
	Normanton	Level 1	X-rays (XO)	516	551	593	508	-14%	-2%
North West				**18,916**	**25,719**	**21,113**	**22,861**	**8%**	**21%**
South West	Augathella	Level 1	X-rays (XO)	185	189	163	159	-2%	-14%
	Charleville	Level 2	X-rays (Rad)	2,775	1,851	3,102	3,080	-1%	11%
	Cunnamulla	Level 1	X-rays (XO)	301	489	453	493	9%	64%
	Dirranbandi	Level 1	X-rays (XO)	535	251	195	168	-14%	-69%
	Injune	Level 1	X-rays (XO)	173	209	190	277	46%	60%
	Mitchell	Level 1	X-rays (XO)	1,332	456	458	536	17%	-60%
	Mungindi	Level 1	X-rays (XO)	198	240	136	268	97%	35%
	Quilpie	Level 1	X-rays (XO)	801	512	238	306	29%	-62%
	Roma	Level 3	X-rays, US (Sono)	2,271	2,921	3,458	3,590	4%	58%
	St George	Level 2	X-rays (Rad)	2,506	1,707	1,715	2,583	51%	3%
	Surat	Level 1	X-rays (XO)	493	414	179	215	20%	-56%
	Thargomindah	Level 1	X-rays (XO)	43	22	44	65	48%	51%
South West				**11,613**	**9,261**	**10,331**	**11,740**	**14%**	**1%**
Sunshine Coast	Caloundra	Level 4	X-rays, US, CT	14,244	12,797	21,430	16,611	-22%	17%
	Gympie	Level 3	X-rays, US (Sono)	10,590	11,535	11,961	12,168	2%	15%
	Nambour	Level 5	MRI excl Neuro	78,575	80,662	79,209	86,505	9%	10%
Sunshine Coast				**103,409**	**104,994**	**112,600**	**115,284**	**2%**	**11%**
Torres Strait - Northern Peninsula	Bamaga	Level 1	X-rays (XO)	526	542	535	701	31%	33%
	Boigu Island	Level 1	X-rays (XO)	31	31	30	30	0%	-3%
	Saibai Island	Level 1	X-rays (XO)	195	323	323	323	0%	66%
	Thursday Is	Level 3	X-rays, US (Sono)	3,561	3,426	6,524	3,559	-45%	0%
Torres Strait - Northern Peninsula				**4,313**	**4,322**	**7,412**	**4,613**	**-38%**	**7%**
Townsville	Ayr	Level 2	X-rays (Rad)	2,624	2,178	3,356	3,175	-5%	21%
	Charters Towers	Level 2	X-rays (Rad)	3,212	3,032	2,955	3,046	3%	-5%
	Hughenden	Level 1	X-rays (XO)	511	814	416	399	-4%	-22%
	Ingham	Level 2	X-rays (Rad)	5,490	5,144	5,254	5,652	8%	3%
	Palm Island	Level 1	X-rays (XO)	783	720	820	1,063	30%	36%
	Richmond	Level 1	X-rays (XO)	200	219	189	237	25%	19%
	Townsville	Level 5	MRI excl Neuro	87,394	90,697	94,922	105,254	11%	20%
Townsville				**100,214**	**102,804**	**107,912**	**118,826**	**10%**	**19%**
West Moreton	Boonah	Level 1	X-rays (XO)	535	501	557	654	17%	22%
	Esk	Level 1	X-rays (XO)	659	636	632	617	-2%	-6%
	Gatton	Level 1	X-rays (XO)	480	575	764	958	25%	100%
	Ipswich	Level 4	X-rays, US, CT	58,709	59,702	64,672	65,301	1%	11%
	Laidley	Level 1	X-rays (XO)	472	461	798	861	8%	82%
West Moreton				**60,855**	**61,875**	**67,423**	**68,391**	**1%**	**12%**
Wide Bay	Biggenden	Level 1	X-rays (XO)	316	147	437	205	-53%	-35%
	Bundaberg	Level 4	X-rays, US, CT	32,149	38,106	43,512	42,603	-2%	33%
	Childers	Level 1	X-rays (XO)	499	422	167	69	-59%	-86%
	Eidsvold	Level 1	X-rays (XO)	421	175	90	122	36%	-71%
	Gayndah	Level 1	X-rays (XO)	423	371	401	343	-14%	-19%
	Gin Gin	Level 1	X-rays (XO)	752	406	862	378	-56%	-50%
	Hervey Bay	Level 4	X-rays, US, CT	22,970	24,253	25,982	25,712	-1%	12%
	Maryborough	Level 3	X-rays, US (Sono)	12,120	12,072	12,094	8,890	-26%	-27%
	Monto	Level 1	X-rays (XO)	1,435	1,063	976	455	-53%	-68%
	Mundubbera	Level 1	X-rays (XO)	328	419	591	293	-50%	-11%
Wide Bay				**71,413**	**77,434**	**85,112**	**79,070**	**-7%**	**11%**
Total Districts				**1,582,143**	**1,610,995**	**1,674,915**	**1,762,353**	**5%**	**11%**
Mater	Mater Adults	Level 5	MRI excl Neuro				49,930		
	Mater Childrens	Level 5	MRI excl Neuro				45,509		
Mater							**95,439**		
TOTAL				**1,582,143**	**1,610,995**	**1,674,915**	**1,857,792**		

Appendix 4:

District	Facility	General X-Ray	Ultra-sound	CT	Angio/ Interven t-ional	Fluoro - Special Proced-ures	Operat-ing Theatre	MRI	Cardiac reported by MI	Cardiac Not reported by MI	Nuclear Medicine	PET	Bone Mass Density	Mammo-graphy	Other	Totals
MEDICAL IMAGING EXAMINATIONS BY MODALITY																
Cairns and Hinterland	Atherton	4,311		1,163			7									5,481
	Babinda	490														490
	Cairns	45,960	7,457	14,398	2,200		1,195	4,278		1,332						76,820
	Croydon	32														32
	Georgetown	25														25
	Innisfail	3,317	1,209	1,749												6,275
	Mareeba	7,464	84													7,548
	Mossman	3,729	1,365													5,094
	Tully	1,345	120													1,465
	Yarrabah	218														218
Cairns and Hinterland		**66,891**	**10,235**	**17,310**	**2,200**	**-**	**1,202**	**4,278**	**-**	**1,332**	**-**	**-**	**-**	**-**	**-**	**103,448**
Cape York	Aurukun	166														166
	Coen	56														56
	Cooktown	1,643	1,046													2,689
	Kowanyama	193														193
	Lockhart River	66														66
	Pormpuraaw	50														50
	Weipa	2,112	659													2,771
	Wujal Wujal	92														92
Cape York		**4,378**	**1,705**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,083**
Central Queensland	Baralaba	214														214
	Biloela	2,246														2,246
	Blackwater	412														412
	Emerald	4,166														4,166
	Gladstone	7,177	2,383				80									9,640
	Moura	313														313
	Mt Morgan	608														608
	Rockhampton	35,110	6,201	7,590		251	965	3,391							17	53,525
	Springsure	267														267
	Theodore	670														670
	Woorabinda	249														249
	Yeppoon	259														259
Central Queensland		**51,691**	**8,584**	**7,590**	**-**	**251**	**1,045**	**3,391**	**-**	**-**	**-**	**-**	**-**	**-**	**17**	**72,569**
Central West	Alpha	216														216
	Aramac	14														14
	Barcaldine	849														849
	Blackall	606														606
	Boulia	13														13
	Isisford	7														7
	Jundah	14														14
	Longreach	2,041	1,279				5									3,325
	Muttaburra	19														19
	Tambo	28														28
	Winton	543														543
Central West		**4,350**	**1,279**	**-**	**-**	**-**	**5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5,634**
Children's Health Services	RCH	17,335	3,269	1,779	-	639	1,155	6,077								30,254
Children's Health Services		**17,335**	**3,269**	**1,779**	**-**	**639**	**1,155**	**6,077**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**30,254**
Darling Downs	Cherbourg	803														803
	Chinchilla	349														349
	Dalby	4,792														4,792
	Goondiwindi	4,537	3													4,540
	Inglewood	215														215
	Jandowae	46														46
	Kingaroy	5,455	1,728													7,183
	Miles	1,013														1,013
	Millmerran	551														551
	Murgon	657														657
	Nanango	197														197
	Oakey	300														300
	Stanthorpe	2,466	9													2,475
	Tara	811														811
	Taroom	410														410
	Texas	305														305
	Toowoomba	40,301	16,058	9,179	10	815	1,280			2,277				391		70,311
	Warwick	6,116	313			5	1									6,435
Darling Downs		**69,324**	**18,111**	**9,179**	**10**	**820**	**1,281**	**-**	**-**	**2,277**	**-**	**-**	**-**	**391**	**-**	**101,393**
Gold Coast	Gold Coast	60,402	10,583	14,770	643	957	2,986	4,575		1,839				230		96,985
	Robina	38,463	5,804	7,609		109	527	2,256						474		55,242
Gold Coast		**98,865**	**16,387**	**22,379**	**643**	**1,066**	**3,513**	**6,831**	**-**	**1,839**	**-**	**-**	**-**	**704**	**-**	**152,227**

District	Facility	General X-Ray	Ultra-sound	CT	Angio/ Interven t-ional	Fluoro - Special Proced-ures	Operat-ing Theatre	MRI	Cardiac reporte d by MI	Cardiac Not reporte d by MI	Nuclear Medicin e	PET	Bone Mass Density	Mammo-graphy	Other	Totals
Mackay	Bowen	3,188	1,613												140	4,941
	Clermont	567														567
	Collinsville	763														763
	Dysart	633														633
	Mackay	25,790	5,083	6,401		159	996									38,429
	Moranbah	2,115	697													2,812
	Proserpine	4,393		2,112			8									6,513
	Sarina	582														582
Mackay		**38,031**	**7,393**	**8,513**	**-**	**159**	**1,004**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**140**	**55,240**
Metro North	Caboolture	24,961	11,477	9,054	547	797	110	8,999	753		1,895			42		58,635
	Kilcoy	581														581
	RBWH	83,732	27,660	41,819	6,106	2,711	3,633	14,330		14,304				1,542	638	196,475
	Redcliffe	47,602	9,175	16,028	826		1,503									75,134
	TPCH	67,527	10,723	14,868	493	1,015	1,482	4,948		4,855	2,955		406		13	109,285
Metro North		**224,403**	**59,035**	**81,769**	**7,972**	**4,523**	**6,728**	**28,277**	**753**	**19,159**	**4,850**	**-**	**406**	**1,584**	**651**	**440,110**
Metro South	Beaudesert	3,068														3,068
	Logan	52,354	11,233	9,810		1,033	899	4,160								79,489
	PAH	101,093	11,690	46,639	5,362	913	3,066	14,055	-	10,075	5,775	1,576	1,841	1,273		203,358
	QEII	33,441	6,494	5,922	3	633	877				127		1			47,498
	Redland	24,202	8,099	5,234		53	198									37,786
	Wynnum	3,411														3,411
Metro South		**217,569**	**37,516**	**67,605**	**5,365**	**2,632**	**5,040**	**18,215**	**-**	**10,075**	**5,902**	**1,576**	**1,842**	**1,273**	**-**	**374,610**
North West	Cloncurry	1,208														1,208
	Doomadgee	313														313
	Julia Creek	247														247
	Mornington Is	298														298
	Mt Isa	11,618	5,041	3,468		89								68	3	20,287
	Normanton	508														508
North West		**14,192**	**5,041**	**3,468**	**-**	**89**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**68**	**3**	**22,861**
South West	Augathella	159														159
	Charleville	2,199	881													3,080
	Cunnamulla	493														493
	Dirranbandi	168														168
	Injune	277														277
	Mitchell	536														536
	Mungindi	268														268
	Quilpie	306														306
	Roma	3,106	484													3,590
	St George	1,996	587													2,583
	Surat	215														215
	Thargomindah	65														65
South West		**9,788**	**1,952**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11,740**
Sunshine Coast	Caloundra	12,696	1,435	2,437			43									16,611
	Gympie	9,820	2,245				103									12,168
	Nambour	49,335	11,479	16,676	23	1,083	1,927	5,258						724		86,505
Sunshine Coast		**71,851**	**15,159**	**19,113**	**23**	**1,083**	**2,073**	**5,258**	**-**	**-**	**-**	**-**	**-**	**724**	**-**	**115,284**
Torres Strait - Northern Peninsula	Bamaga	462	239													701
	Boigu Island	30														30
	Saibai Island	323														323
	Thursday Is	2,005	1,541				13									3,559
Torres Strait - Northern Peninsula		**2,820**	**1,780**	**-**	**-**	**-**	**13**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,613**
Townsville	Ayr	2,529	646													3,175
	Charters Towers	3,046														3,046
	Hughenden	399														399
	Ingham	5,222	430													5,652
	Palm Island	854	209													1,063
	Richmond	237														237
	Townsville	62,811	11,877	12,867	1,417	955	1,418	3,150	-	2,320	7,066		-	-	1,373	105,254
Townsville		**75,098**	**13,162**	**12,867**	**1,417**	**955**	**1,418**	**3,150**	**-**	**2,320**	**7,066**	**-**	**-**	**-**	**1,373**	**118,826**
West Moreton	Boonah	654														654
	Esk	617														617
	Gatton	958														958
	Ipswich	43,278	10,066	8,127		559	1,067			2,204						65,301
	Laidley	861														861
West Moreton		**46,368**	**10,066**	**8,127**	**-**	**559**	**1,067**	**-**	**-**	**2,204**	**-**	**-**	**-**	**-**	**-**	**68,391**
Wide Bay	Biggenden	205														205
	Bundaberg	28,720	5,591	6,219	-	533	570	-	200	-	-		-	-	770	42,603
	Childers	69														69
	Eidsvold	122														122
	Gayndah	343														343
	Gin Gin	378														378
	Hervey Bay	17,529	3,004	5,179												25,712
	Maryborough	7,535	1,355													8,890
	Monto	455														455
	Mundubbera	293														293
Wide Bay		**55,649**	**9,950**	**11,398**	**-**	**533**	**570**	**-**	**200**	**-**	**-**	**-**	**-**	**-**	**770**	**79,070**
Total Districts		**1,068,603**	**220,624**	**271,097**	**17,630**	**13,309**	**26,114**	**75,477**	**953**	**39,206**	**17,818**	**1,576**	**2,248**	**4,744**	**2,954**	**1,762,353**
Mater	Mater Adults	28,790	8,886	6,602	122	1,118	1,156	2,080							1,176	49,930
	Mater Childrens	31,259	6,702	1,361	11	954	1,167	3,719		336						45,509
Mater		**60,049**	**15,588**	**7,963**	**133**	**2,072**	**2,323**	**5,799**	**-**	**336**	**-**	**-**	**-**	**-**	**1,176**	**95,439**
TOTAL		**1,128,652**	**236,212**	**279,060**	**17,763**	**15,381**	**28,437**	**81,276**	**953**	**39,542**	**17,818**	**1,576**	**2,248**	**4,744**	**4,130**	**1,857,792**

Appendix 5:

MEDICAL IMAGING SITES MODALITY EQUIPMENT UNITS																
District	Facility	Modalities Provided	2011-12 Info Provided	General X-Ray	Mobile X-Ray	Ultra-sound	CT	Angio/ Interventional	Fluoro - Special Proced-ures	Operat-ing Theatre (mobile II)	MRI	Cardiac	Nuclear Medicine	Bone Mass Density	Mammo-graphy	Totals
Cairns and Hinterland	Atherton	X-ray/ / CT	N	1	1	1	1			1						5
	Babinda	General X-ray	N		1											1
	Cairns	Most Modalities incl. MRI	N	5	4	3	1	2	1	1	1					18
	Croydon	General X-ray	N		1											1
	Georgetown	General X-ray	N	1												1
	Innisfail	X-ray/ U/Sound/ CT	N	1	1	1	1			1						5
	Mareeba	X-ray + U/Sound	N	2	1	1										4
	Mossman	X-ray + U/Sound	N	1	1	1										3
	Tully	X-ray + U/Sound	N	1		1										2
	Yarrabah	General X-ray	N	1												1
Cairns and Hinterland				**13**	**10**	**8**	**3**	**2**	**1**	**3**	**1**	**-**	**-**	**-**	**-**	**41**
Cape York	Aurukun	General X-ray	Y	1												1
	Coen	General X-ray	Y	1												1
	Cooktown	X-ray + U/Sound	N	1	1	1										3
	Kowanyama	General X-ray	Y	1												1
	Lockhart River	General X-ray	Y	1												1
	Pormpuraaw	General X-ray	Y	1												1
	Weipa	X-ray + U/Sound	Y	2	1	1										4
	Wujal Wujal	General X-ray	Y	1												1
Cape York				**9**	**2**	**2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**13**
Central Queensland	Baralaba	General X-ray	Y		1											1
	Biloela	General X-ray	Y	1	1	1										3
	Blackwater	General X-ray	Y	1	1											2
	Emerald	General X-ray	Y	1	1	1										3
	Gladstone	X-ray + U/Sound	Y	2	1	1				1						5
	Moura	General X-ray	N	1												1
	Mt Morgan	General X-ray	Y		1											1
	Rockhampton	Most Modalities incl. MRI	N	3		3	1	1	1	2	1					12
	Springsure	General X-ray	Y		1											1
	Theodore	General X-ray	Y		1											1
	Woorabinda	General X-ray	N	1												1
	Yeppoon	General X-ray	Y	1		1										2
Central Queensland				**11**	**8**	**7**	**1**	**1**	**1**	**3**	**1**	**-**	**-**	**-**	**-**	**33**
Central West	Alpha	General X-ray	Y		1											1
	Aramac	General X-ray	Y		1											1
	Barcaldine	General X-ray	Y	1	1											2
	Blackall	General X-ray	Y	1	1											2
	Boulia	General X-ray	Y		1											1
	Isisford	General X-ray	Y		1											1
	Jundah	General X-ray	Y		1											1
	Longreach	X-ray + U/Sound	Y	2	1	1				1						5
	Muttaburra	General X-ray	Y		1											1
	Tambo	General X-ray	Y		1											1
	Winton	General X-ray	Y		1	1										2
Central West				**4**	**11**	**2**	**-**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**18**
Children's Health Services	RCH	Most Modalities incl. MRI	Y	2	2	2	1		1	2	1					11
Children's Health Services				**2**	**2**	**2**	**1**	**-**	**1**	**2**	**1**	**-**	**-**	**-**	**-**	**11**
Darling Downs	Cherbourg	General X-ray	Y	1												1
	Chinchilla	General X-ray	Y	1												1
	Dalby	General X-ray	Y	1	1											2
	Goondiwindi	General X-ray	Y	1	1	1										3
	Inglewood	General X-ray	Y		1											1
	Jandowae	General X-ray	Y	1												1
	Kingaroy	X-ray + U/Sound	Y	1	1	1										3
	Miles	General X-ray	Y	1	1											2
	Millmerran	General X-ray	Y		1											1
	Murgon	General X-ray	Y	1												1
	Nanango	General X-ray	Y	1												1
	Oakey	General X-ray	Y		1											1
	Stanthorpe	X-ray + U/Sound	Y	1	1	1										3
	Tara	General X-ray	Y	1	1											2
	Taroom	General X-ray	Y	1												1
	Texas	General X-ray	Y	1												1
	Toowoomba	Most Modalities excl.MRI	Y	4	5	5	1	1		3		1				20
	Warwick	X-ray + U/Sound	N	1	1	1			1							4
Darling Downs				**18**	**15**	**9**	**1**	**1**	**1**	**3**	**-**	**1**	**-**	**-**	**-**	**49**
Gold Coast	Gold Coast	Most Modalities incl. MRI	Y	4	3	4	2	1		4	1	1			1	21
	Robina	Most Modalities incl. MRI	Y	4	2	3	1		1	2	1				1	15
Gold Coast				**8**	**5**	**7**	**3**	**1**	**1**	**6**	**2**	**1**	**-**	**-**	**2**	**36**

District	Facility	Modalities Provided	2011-12 Info Provided	General X-Ray	Mobile X-Ray	Ultra-sound	CT	Angio/ Intervent-ional	Fluoro - Special Proced-ures	Operat-ing Theatre (mobile II)	MRI	Cardiac	Nuclear Medicine	Bone Mass Density	Mammo-graphy	Totals
Mackay	Bowen	X-ray + U/Sound	N	1	1	1										3
	Clermont	General X-ray	Y	1	1											2
	Collinsville	General X-ray	N	1	1											2
	Dysart	General X-ray	Y	1	1											2
	Mackay	Most Modalities excl.MRI	N	4	3	2	1		1	2						13
	Moranbah	X-ray + U/Sound	Y	1	1	1										3
	Proserpine	X-ray/ U/Sound/ CT	Y	1	1		1			1						4
	Sarina	General X-ray	N	1												1
Mackay				**11**	**9**	**4**	**2**	**-**	**1**	**3**	**-**	**-**	**-**	**-**	**-**	**30**
Metro North	Caboolture	Most Modalities incl. MRI	Y	2	1	4	1		1		1		1		1	12
	Kilcoy	General X-ray	Y		1											1
	RBWH	Most Modalities incl. MRI	Y	11	10	9	3	2	2	7	2	2			1	49
	Redcliffe	Most Modalities excl.MRI	Y	3	2	4	1	1		2		1				14
	TPCH	Most Modalities incl. MRI	Y	6	5	5	2	2	1	5	2	3	2	1		34
Metro North				**22**	**19**	**22**	**7**	**5**	**4**	**14**	**5**	**6**	**3**	**1**	**2**	**110**
Metro South	Beaudesert	General X-ray	N	1												1
	Logan	Most Modalities incl. MRI	Y	3	2	3	1		1	2	1					13
	PAH	Most Modalities incl. MRI	Y	11	8	4	4	3	1	5	2	3	3	1	1	46
	QEII	X-ray/ US/CT/Fluoro	Y	2	2	3	1		1							9
	Redland	X-ray/ U/Sound/ CT	Y	3	3	3	1			1						11
	Wynnum	General X-ray	Y	1												1
Metro South				**21**	**15**	**13**	**7**	**3**	**3**	**8**	**3**	**3**	**3**	**1**	**1**	**81**
Mt Isa	Cloncurry	General X-ray	N	1												1
	Doomadgee	General X-ray	N		1											1
	Julia Creek	General X-ray	N	1	1											2
	Mornington Is	General X-ray	N		1											1
	Mt Isa	X-ray/ US/CT/Fluoro	N													-
	Normanton	General X-ray	Y	1												1
Mt Isa				**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6**
South West	Augathella	General X-ray	N		1											1
	Charleville	X-ray + U/Sound	N	1	1	1										3
	Cunnamulla	General X-ray	Y	1												1
	Dirranbandi	General X-ray	Y	1												1
	Injune	General X-ray	Y	1	1											2
	Mitchell	General X-ray	Y	1												1
	Mungindi	General X-ray	N	1												1
	Quilpie	General X-ray	N		1											1
	Roma	General X-ray	N	1	1	1										3
	St George	General X-ray	N	1	1	1										3
	Surat	General X-ray	N		1											1
	Thargomindah	General X-ray	N		1											1
South West				**8**	**8**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**19**
Sunshine Coast	Caloundra	X-ray/ U/Sound/ CT	Y	2	1	1	1			1						6
	Gympie	X-ray + U/Sound	Y	2	1	2				1						6
	Nambour	Most Modalities incl. MRI	Y	4	4	4	2	1	1	4	1		1		1	23
Sunshine Coast				**8**	**6**	**7**	**3**	**1**	**1**	**6**	**1**	**-**	**1**	**-**	**1**	**35**
Torres Strait - Northern Peninsula	Bamaga	X-ray + U/Sound	Y	1	1	1										3
	Boigu Island	General X-ray	N	1												1
	Saibai Island	General X-ray	N	1												1
	Thursday Is	X-ray + U/Sound	Y	1		1				1						3
Torres Strait - Northern Peninsula				**4**	**1**	**2**	**-**	**-**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**8**
Townsville	Ayr	X-ray + U/Sound	Y	1	1	2										4
	Charters Towe	General X-ray	Y	1	1	-										2
	Hughenden	General X-ray	Y		1											1
	Ingham	X-ray + U/Sound	N	1	1	1										3
	Palm Island	X-ray + U/Sound	Y	1		1										2
	Richmond	General X-ray	Y		1											1
	Townsville	Most Modalities incl. MRI	Y	6	7	5	2	1	1	4	1	2	2	-		31
Townsville				**10**	**12**	**9**	**2**	**1**	**1**	**4**	**1**	**2**	**2**	**-**	**-**	**44**
West Moreton	Boonah	General X-ray	Y		1											1
	Esk	General X-ray	Y		1											1
	Gatton	General X-ray	Y		1											1
	Ipswich	Most Modalities excl.MRI	Y	4	3	5	1		1	3		1			1	19
	Laidley	General X-ray	Y		1											1
West Moreton				**4**	**7**	**5**	**1**	**-**	**1**	**3**	**-**	**1**	**-**	**-**	**1**	**23**
Wide Bay	Biggenden	General X-ray	Y		1											1
	Bundaberg	Most Modalities excl.MRI	Y	2	2	2	1	-	1	2	-	1	-	-	-	11
	Childers	General X-ray	Y		1		-									1
	Eidsvold	General X-ray	Y		1											1
	Gayndah	General X-ray	Y		1											1
	Gin Gin	General X-ray	Y		1											1
	Hervey Bay	X-ray/ U/Sound/ CT	Y	2	2	1	1			2						8
	Maryborough	X-ray + U/Sound	Y	2												2
	Monto	General X-ray	Y		1											1
	Mundubbera	General X-ray	Y		1											1
Wide Bay				**6**	**11**	**3**	**2**	**-**	**1**	**4**	**-**	**1**	**-**	**-**	**-**	**28**
Total Districts				**162**	**144**	**105**	**33**	**15**	**17**	**61**	**15**	**15**	**9**	**2**	**7**	**585**
Mater	Mater Adults	Most Modalities incl. MRI	Y	2	2	3	1	1		2	1				1	13
	Mater Childrer	Most Modalities incl. MRI	Y	3	2	3	1	1	1	2	1	1				15
Mater				**5**	**4**	**6**	**2**	**2**	**1**	**4**	**2**	**1**	**-**	**-**	**1**	**28**
TOTAL				**167**	**148**	**111**	**35**	**17**	**18**	**65**	**17**	**16**	**9**	**2**	**8**	**613**

Appendix 6:

THREE YEAR COMPARISON OF PRIVATE EXAMINATIONS BY PATIENT CLASSIFICATION																				
	2008-09					2009-10					2010-11					2010-11				
DISTRICT	Total Exams Performed	Total Patient-ID'd Exams	Pat ID'd Exams to Total Rate	Private Exams	Private /Total Exams Rate	Total Exams Performed	Total Patient-ID'd Exams	Patient ID'd to Total Rate	Private Exams	Private /Total Exams Rate	Total Exams Performed	Total Patient-ID'd Exams	Patient ID'd to Total Rate	Private Exams	Private /Total Exams Rate	Total Exams Performed	Total Patient-ID'd Exams	Patient ID'd to Total Rate	Private Exams	Private /Total Exams Rate
Cairns and Hinterland	79,184	79,166	100%	5,770	7%	73,533	56,945	77%	625	1%	97,253	98,572	101%	16,575	17%	103,448	103,446	100%	31,245	30%
Cape York	4,102	2,456	60%	260	6%	4,588	3,987	87%	989	22%	5,245	5,277	101%	1,021	19%	6,083	6,083	100%	1,552	26%
Central Queensland	76,982	76,632	100%	2,892	4%	71,903	6,171	9%	552	1%	70,289	68,858	98%	4,896	7%	72,569	72,041	99%	8,066	11%
Central West	5,481	4,881	89%	1,609	29%	5,021	5,021	100%	1,828	36%	5,380	2,255	42%	504	9%	5,634	5,634	100%	2,016	36%
Children's Health Services	29,547	29,545	100%	10,698	36%	29,071	29,071	100%	12,006	41%	28,782	28,782	100%	11,835	41%	30,254	30,254	100%	13,758	45%
Darling Downs	94,282	87,115	92%	5,218	6%	94,612	83,149	88%	6,300	7%	89,990	75,293	84%	5,855	7%	101,393	101,395	100%	23,405	23%
Gold Coast	147,257	0	0%	0	0%	151,039	0	0%	0	0%	143,229	143,229	100%	10,150	7%	152,227	96,985	64%	18,116	12%
Mackay	48,780	44,306	91%	8,342	17%	51,539	11,606	23%	5,827	11%	51,628	47,397	92%	8,533	17%	55,240	54,477	99%	21,677	39%
Metro North	391,421	158,919	41%	11,076	3%	400,185	401,265	100%	41,434	10%	414,539	360,967	87%	39,136	9%	440,110	367,171	83%	21,320	5%
Metro South	334,374	334,295	100%	13,012	4%	343,095	343,870	100%	13,042	4%	356,677	354,742	99%	15,124	4%	374,610	375,589	100%	20,414	5%
North West	18,916	1,923	10%	434	2%	25,719	1,954	8%	524	2%	21,113	20,646	98%	689	3%	22,861	1,366	6%	227	1%
South West	11,613	3,739	32%	1,695	15%	9,261	9,252	100%	2,367	26%	10,331	8,616	83%	1,243	12%	11,740	11,675	99%	3,010	26%
Sunshine Coast	103,409	89,165	86%	6,937	7%	104,994	106,920	102%	9,871	9%	112,600	108,753	97%	15,358	14%	115,284	115,384	100%	18,637	16%
Torres Strait-Northern Pen.	4,313	226	5%	0	0%	4,322	3,426	79%	0	0%	7,412	0	0%	0	0%	4,613	4,213	91%	0	0%
Townsville	100,214	90,901	91%	5,003	5%	102,804	97,552	95%	8,856	9%	107,912	101,524	94%	9,212	9%	118,826	117,879	99%	22,695	19%
West Moreton	60,855	60,855	100%	1,036	2%	61,875	62,396	101%	1,291	2%	67,423	67,423	100%	1,873	3%	68,391	68,391	100%	1,755	3%
Wide Bay	71,413	70,337	98%	1,020	1%	77,434	80,318	104%	19,468	25%	85,112	84,046	99%	2,220	3%	79,070	79,592	101%	21,598	27%
Total Districts	1,582,143	1,134,461	72%	75,002	5%	1,610,995	1,302,903	81%	124,980	8%	1,674,915	1,576,380	94%	144,224	9%	1,762,353	1,611,575	91%	229,491	13%
Mater																95,439	95,103	100%	34,433	36%
TOTAL	1,582,143	1,134,461	72%	75,002	5%	1,610,995	1,302,903	81%	124,980	8%	1,674,915	1,576,380	94%	144,224	9%	1,857,792	1,706,678	92%	263,924	14%

THREE YEAR COMPARISON OF PRIVATE PATIENTS BY PATIENT CLASSIFICATION																				
	2008-09					2009-10					2010-11					2011-12				
DISTRICT	Total Exams Performed	Total Patients ID'd	Patients ID'd to Total Exams	Private Patients	Private /Total Patient Rate	Total Exams Performed	Total Patients ID'd	Patients ID'd to Total Exams	Private Patients	Private /Total Patient Rate	Total Exams Performed	Total Patients ID'd	Patients Id'd to Total Exams	Private Patients	Private /Total Patient Rate	Total Exams Performed	Total Patients ID'd	Patients Id'd to Total Exams	Private Patients	Private /Total Patient Rate
Cairns and Hinterland	79,184	60,544	76%	3,007	5%	73,533	60,832	83%	5,416	9%	97,253	81,319	84%	15,182	19%	103,448	85,043	82%	25,026	29%
Cape York	4,102	3,792	92%	25	1%	4,588	3,440	75%	28	1%	5,245	0	0%	0		6,083	3,782	62%	92	2%
Central Queensland	76,982	221	0.3%	94	43%	71,903	167	0.2%	0	0%	70,289	0	0.0%	0		72,569	0	0.0%	0	
Central West	5,481	806	15%	316	39%	5,021	908	18%	205	23%	5,380	2,533	47%	1,355	53%	5,634	5,234	93%	1,905	36%
Children's Health Services	29,547	0	0%	0		29,071	0	0%	0		28,782	0	0%	0		30,254	0	0%	0	
Darling Downs	94,282	0	0%	0		94,612	0	0%	0		89,990	0	0%	0		101,393	59	0%	0	0%
Gold Coast	147,257	0	0%	0		151,039	0	0%	0		143,229	126,658	88%	9,138	7%	152,227	88,708	58%	16,882	19%
Mackay	48,780	35,544	73%	5,439	15%	51,539	42,613	83%	6,436	15%	51,628	3,677	7%	1,937	53%	55,240	11,289	20%	5,923	52%
Metro North	391,421	136,729	35%	8,825	6%	400,185	189,225	47%	18,646	10%	414,539	158,424	38%	12,482	8%	440,110	161,834	37%	17,752	11%
Metro South	334,374	158,877	48%	6,182	4%	343,095	203,330	59%	9,506	5%	356,677	221,224	62%	11,060	5%	374,610	278,402	74%	17,036	6%
North West	18,916	300	2%	0	0%	25,719	1,781	7%	509	29%	21,113	787	4%	283	36%	22,861	313	1%	0	0%
South West	11,613	5,636	49%	2,059	37%	9,261	7,611	82%	1,758	23%	10,331	7,742	75%	1,130	15%	11,740	1,087	9%	350	32%
Sunshine Coast	103,409	76,149	74%	4,933	6%	104,994	80,863	77%	5,839	7%	112,600	77,859	69%	13,728	18%	115,284	84,205	73%	12,521	15%
Torres Strait-Northern Pen.	4,313	0	0%	0		4,322	3,425	79%	0	0%	7,412	0	0%	0		4,613	517	11%	0	0%
Townsville	100,214	90,651	90%	8,830	10%	102,804	93,827	91%	9,595	10%	107,912	96,562	89%	9,629	10%	118,826	103,257	87%	18,610	18%
West Moreton	60,855	54,615	90%	1,008	2%	61,875	53,449	86%	1,112	2%	67,423	59,569	88%	1,868	3%	68,391	60,213	88%	1,748	3%
Wide Bay	71,413	56,853	80%	630	1%	77,434	64,945	84%	15,612	24%	85,112	32,165	38%	667	2%	79,070	1,126	1%	290	26%
Total Districts	1,582,143	680,717	43%	41,348	6%	1,610,995	806,416	50%	74,662	9%	1,674,915	868,519	52%	78,459	9%	1,762,353	885,069	50%	118,135	13%
Mater																95,439	53,126	56%	21,503	40%
TOTAL	1,582,143	680,717	43%	41,348	6%	1,610,995	806,416	50%	74,662	9%	1,674,915	868,519	52%	78,459	9%	3,510,614	1,734,439	49%	232,656	13%

Appendix 7:

FOUR YEAR REPORTING COMPARISONS																					
		2008 - 2009					2009 - 2010					2010 - 2011					2011-12				
District	Facility	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate
Cairns and Hinterland	Atherton	4,323	3,538	82%	2,830	65%	3,967	3,689	93%	3,689	93%	4,657	4,557	98%	4,557	98%	5,481	5,481	100%	5,481	100%
	Babinda	366	366	100%	0	0%	619	619	100%	31	5%	430	430	100%	430	100%	490	490	100%	490	100%
	Cairns	60,000	60,000	100%	57,000	95%	54,829	54,281	99%	0	0%	72,585	72,079	99%	67,079	92%	76,820	76,245	99%	76,490	100%
	Croydon	160	0	0%	0	0%	47	0	0%	0	0%	58	44	76%	0	0%	32	32	100%	0	0%
	Georgetown	41	0	0%	0	0%	56	0	0%	0	0%	71	11	15%	0	0%	25	25	100%	0	0%
	Innisfail	3,197	1,923	60%	1,538	48%	3,637	3,637	100%	0	0%	6,001	6,001	100%	6,001	100%	6,275	6,275	100%	6,275	100%
	Mareeba	4,660	2,691	58%	0	0%	6,188	6,188	100%	0	0%	6,732	6,732	100%	6,732	100%	7,548	7,548	100%	7,548	100%
	Mossman	4,926	4,926	100%	4,433	90%	2,844	2,844	100%	0	0%	5,577	5,577	100%	5,577	100%	5,094	5,092	100%	5,092	100%
	Tully	1,161	1,161	100%	351	30%	1,133	1,133	100%	0	0%	1,074	1,074	100%	1,074	100%	1,465	1,465	100%	1,465	100%
	Yarrabah	350	0	0%	0	0%	213	0	0%	0	0%	68	68	100%	0	0%	218	218	100%	218	100%
Cairns and Hinterland		**79,184**	**74,605**	**94%**	**66,152**	**84%**	**73,533**	**72,391**	**98%**	**3,720**	**5%**	**97,253**	**96,573**	**99%**	**91,450**	**94%**	**103,448**	**102,871**	**99%**	**103,059**	**100%**
Cape York	Aurukun	296	0	0%	0	0%	457	457	100%	0	0%	195	195	100%	0	0%	166	166	100%	33	20%
	Coen	54	0	0%	0	0%	79	0	0%	0	0%	64	64	100%	0	0%	56	56	100%	0	0%
	Cooktown	1,230	72	6%	0	0%	2,331	1,353	58%	0	0%	2,710	2,518	93%	51	2%	2,689	2,641	98%	0	0%
	Kowanyama	720	0	0%	0	0%	170	0	0%	0	0%	334	334	100%	0	0%	193	193	100%	54	28%
	Lockhart River	120	0	0%	0	0%	90	0	0%	0	0%	91	91	100%	0	0%	66	66	100%	0	0%
	Pormpuraaw	54	0	0%	0	0%	96	0	0%	0	0%	79	79	100%	0	0%	50	50	100%	4	8%
	Weipa	1,594	0	0%	0	0%	1,311	1,000	76%	0	0%	1,691	1,684	100%	0	0%	2,771	2,771	100%	472	17%
	Wujal Wujal	34	0	0%	0	0%	54	27	50%	0	0%	81	78	96%	0	0%	92	92	100%	0	0%
Cape York		**4,102**	**72**	**2%**	**0**	**0%**	**4,588**	**2,837**	**62%**	**0**	**0%**	**5,245**	**5,043**	**96%**	**51**	**1%**	**6,083**	**6,035**	**99%**	**563**	**9%**
Central Queensland	Baralaba	162	13	8%	0	0%	211	0	0%	0	0%	173	173	100%	34	20%	214	207	97%	140	65%
	Biloela	3,156	1,108	35%	0	0%	2,160	2,160	100%	432	20%	3,640	3,640	100%	0	0%	2,246	2,246	100%	1,078	48%
	Blackwater	590	0	0%	0	0%	924	0	0%	0	0%	451	451	100%	107	24%	412	412	100%	193	47%
	Emerald	4,509	20	0%	0	0%	4,176	60	1%	0	0%	4,165	4,165	100%	789	19%	4,166	4,072	98%	2,181	52%
	Gladstone	10,392	8,118	78%	2,189	21%	9,163	9,120	100%	2,062	23%	10,234	9,250	90%	8,250	81%	9,640	9,421	98%	942	10%
	Moura	472	0	0%	0	0%	359	359	100%	180	50%	398	398	100%	0	0%	313	293	94%	109	35%
	Mt Morgan	630	0	0%	0	0%	433	0	0%	0	0%	471	402	85%	0	0%	608	557	92%	556	91%
	Rockhampton	53,446	41,228	77%	24,311	45%	52,781	40,114	76%	12,140	23%	49,463	48,462	98%	38,757	78%	53,525	34,005	64%	27,156	51%
	Springsure	140	0	0%	0	0%	199	0	0%	0	0%	353	353	100%	84	24%	267	267	100%	147	55%
	Theodore	309	0	0%	0	0%	214	0	0%	0	0%	363	363	100%	0	0%	670	670	100%	200	30%
	Woorabinda	270	0	0%	0	0%	225	0	0%	0	0%	190	190	100%	190	100%	249	249	100%	0	0%
	Yeppoon	2,906	105	4%	0	0%	1,058	1,058	100%	0	0%	388	388	100%	0	0%	259	259	100%	0	0%
Central Queensland		**76,982**	**50,592**	**66%**	**26,500**	**34%**	**71,903**	**52,871**	**74%**	**14,814**	**21%**	**70,289**	**68,235**	**97%**	**48,211**	**69%**	**72,569**	**52,658**	**73%**	**32,702**	**45%**
Central West	Alpha	196	0	0%	0	0%	376	0	0%	0	0%	198	198	100%	166	84%	216	193	89%	115	53%
	Aramac	74	0	0%	0	0%	44	0	0%	0	0%	17	14	82%	7	41%	14	14	100%	12	86%
	Barcaldine	589	172	29%	0	0%	720	220	31%	0	0%	823	665	81%	600	73%	849	845	100%	760	90%
	Blackall	837	0	0%	0	0%	640	0	0%	0	0%	740	740	100%	0	0%	606	595	98%	495	82%
	Boulia	28	0	0%	0	0%	0	0	0%	0	0%	30	0	0%	0	0%	13	7	54%	7	54%
	Isisford	33	0	0%	0	0%	27	0	0%	0	0%	55	55	100%	0	0%	7	6	86%	6	86%
	Jundah	25	1	4%	0	0%	53	3	6%	0	0%	18	0	0%	0	0%	14	10	71%	10	71%
	Longreach	2,421	911	38%	0	0%	2,509	1,029	41%	0	0%	2,928	2,160	74%	704	24%	3,325	3,283	99%	2,010	60%
	Muttaburra	31	0	0%	0	0%	28	0	0%	0	0%	30	20	67%	10	33%	19	17	89%	14	74%
	Tambo	160	0	0%	0	0%	95	0	0%	0	0%	50	5	10%	5	10%	28	21	75%	18	64%
	Winton	1,087	0	0%	0	0%	529	0	0%	0	0%	491	90	18%	0	0%	543	526	97%	394	73%
Central West		**5,481**	**1,084**	**20%**	**0**	**0%**	**5,021**	**1,252**	**25%**	**0**	**0%**	**5,380**	**3,947**	**73%**	**1,492**	**28%**	**5,634**	**5,517**	**98%**	**3,841**	**68%**
Children's Health Services	RCH	29,547	29,547	100%	24,524	83%	29,071	29,071	100%	29,071	100%	28,782	28,782	100%	28,494	99%	30,254	30,234	100%	19,665	65%
Children's Health Services		**29,547**	**29,547**	**100%**	**24,524**	**83%**	**29,071**	**29,071**	**100%**	**29,071**	**100%**	**28,782**	**28,782**	**100%**	**28,494**	**99%**	**30,254**	**30,234**	**100%**	**19,665**	**65%**

		2008 - 2009					2009 - 2010					2010 - 2011					2011-12				
District	Facility	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate
Darling Downs	Cherbourg	609	0	0%	0	0%	641	0	0%	0	0%	579	0	0%	0	0%	803	231	29%	104	13%
	Chinchilla	446	0	0%	0	0%	488	0	0%	0	0%	518	507	98%	0	0%	349	124	36%	56	16%
	Dalby	5,308	4,834	91%	0	0%	5,566	5,338	96%	0	0%	4,873	4,502	92%	2,168	44%	4,792	4,800	100%	4,778	100%
	Goondiwindi	4,231	4,231	100%	0	0%	4,116	4,116	100%	0	0%	3,555	3,555	100%	3,555	100%	4,540	4,477	99%	4,423	97%
	Inglewood	310	0	0%	0	0%	366	0	0%	0	0%	427	1	0%	0	0%	215	102	47%	38	18%
	Jandowae	116	0	0%	0	0%	92	0	0%	0	0%	78	78	100%	0	0%	46	15	33%	4	9%
	Kingaroy	6,277	0	0%	0	0%	6,205	105	2%	79	1%	6,483	154	2%	0	0%	7,183	3,243	45%	1,681	23%
	Miles	1,227	109	9%	0	0%	1,067	302	28%	0	0%	862	359	42%	115	13%	1,013	809	80%	702	69%
	Millmerran	597	0	0%	0	0%	762	0	0%	0	0%	926	700	76%	0	0%	551	65	12%	28	5%
	Murgon	1,094	0	0%	0	0%	967	0	0%	0	0%	877	0	0%	0	0%	657	225	34%	90	14%
	Nanango	208	0	0%	0	0%	280	0	0%	0	0%	244	0	0%	0	0%	197	38	19%	16	8%
	Oakey	316	0	0%	0	0%	175	0	0%	0	0%	191	191	100%	0	0%	300	85	28%	41	14%
	Stanthorpe	4,164	4,164	100%	4,164	100%	3,190	3,073	96%	3,073	96%	2,211	2,135	97%	2,135	97%	2,475	2,429	98%	2,381	96%
	Tara	951	70	7%	0	0%	804	173	22%	0	0%	678	358	53%	0	0%	811	380	47%	277	34%
	Taroom	263	0	0%	0	0%	167	0	0%	0	0%	228	228	100%	0	0%	410	392	96%	138	34%
	Texas	323	0	0%	0	0%	264	0	0%	0	0%	306	306	100%	305	100%	305	115	38%	46	15%
	Toowoomba	63,302	36,579	58%	0	0%	64,402	44,140	69%	0	0%	62,218	34,521	55%	33,598	54%	70,311	46,771	67%	24,199	34%
	Warwick	4,540	3,650	80%	50	1%	5,060	3,680	73%	51	1%	4,736	4,736	100%	4,299	91%	6,435	6,150	96%	5,663	88%
Darling Downs		**94,282**	**53,637**	**57%**	**4,214**	**4%**	**94,612**	**60,927**	**64%**	**3,203**	**3%**	**89,990**	**52,331**	**58%**	**46,174**	**51%**	**101,393**	**70,451**	**69%**	**44,665**	**44%**
Gold Coast	Gold Coast	102,671	50,460	49%	17,661	17%	151,039	57,395	38%	25,828	17%	98,264	42,705	43%	19,995	20%	96,985	43,589	45%	24,932	26%
	Robina	44,586	11,146	25%	11,147	25%						44,965	14,746	33%	5,870	13%	55,242	20,057	36%	13,358	24%
Gold Coast		**147,257**	**61,606**	**42%**	**28,808**	**20%**	**151,039**	**57,395**	**38%**	**25,828**	**17%**	**143,229**	**57,451**	**40%**	**25,865**	**18%**	**152,227**	**63,646**	**42%**	**38,290**	**25%**
Mackay	Bowen	2,802	1,786	64%	0	0%	4,872	4,872	100%	0	0%	4,320	4,320	100%	0	0%	4,941	4,941	100%	0	0%
	Clermont	707	0	0%	0	0%	465	0	0%	0	0%	586	586	100%	0	0%	567	567	100%	199	35%
	Collinsville	997	477	48%	0	0%	777	699	90%	0	0%	814	814	100%	0	0%	763	763	100%	0	0%
	Dysart	1,159	0	0%	0	0%	835	0	0%	0	0%	956	956	100%	0	0%	633	633	100%	403	64%
	Mackay	34,381	22,052	64%	11,754	34%	34,441	29,275	85%	27,811	81%	36,079	32,290	89%	25,255	70%	38,429	35,567	93%	25,622	67%
	Moranbah	3,164	0	0%	0	0%	2,491	0	0%	0	0%	2,689	605	22%	500	19%	2,812	2,812	100%	1,615	57%
	Proserpine	4,924	2,637	54%	0	0%	7,027	1,962	28%	0	0%	5,558	5,558	100%	2,928	53%	6,513	6,513	100%	3,846	59%
	Sarina	646	110	17%	0	0%	631	631	100%	0	0%	626	626	100%	0	0%	582	582	100%	582	100%
Mackay		**48,780**	**27,062**	**55%**	**11,754**	**24%**	**51,539**	**37,439**	**73%**	**27,811**	**54%**	**51,628**	**45,755**	**89%**	**28,683**	**56%**	**55,240**	**52,378**	**95%**	**32,267**	**58%**
Metro North	Caboolture	46,919	46,450	99%	29,559	63%	50,101	50,101	100%	21,543	43%	54,474	54,474	100%	32,684	60%	58,635	58,635	100%	35,767	61%
	Kilcoy	297	297	100%	0	0%	587	587	100%	0	0%	1,306	517	40%	428	33%	581	581	100%	0	0%
	RBWH	186,791	181,058	100%	68,802	37%	183,318	183,318	100%	95,688	52%	180,307	180,304	100%	103,027	57%	196,475	191,823	98%	124,063	63%
	Redcliffe	65,021	54,851	84%	31,210	48%	69,553	69,443	100%	44,931	65%	68,699	60,464	88%	49,581	72%	75,134	67,853	90%	58,392	78%
	TPCH	92,393	47,120	55%	31,414	34%	96,626	71,749	74%	51,751	54%	109,753	72,244	66%	53,104	48%	109,285	81,145	74%	58,612	54%
Metro North		**391,421**	**329,776**	**84%**	**160,985**	**41%**	**400,185**	**375,198**	**94%**	**213,913**	**53%**	**414,539**	**368,003**	**89%**	**238,824**	**58%**	**440,110**	**400,037**	**91%**	**276,834**	**63%**
Metro South	Beaudesert	3,579	3,579	100%	0	0%	3,059	3,059	100%	0	0%	3,035	3,035	100%	2,428	80%	3,068	3,068	100%	772	25%
	Logan	67,047	54,895	82%	41,171	61%	73,610	62,260	85%	37,360	51%	73,742	72,033	98%	37,780	51%	79,489	79,395	100%	57,053	72%
	PAH	175,868	162,394	97%	40,156	23%	180,963	170,778	94%	43,692	24%	190,841	190,533	100%	47,536	25%	203,358	203,358	100%	64,513	32%
	QEII	50,770	50,770	100%	50,483	99%	45,719	45,719	100%	45,434	99%	49,490	49,490	100%	49,266	100%	47,498	47,498	100%	47,345	100%
	Redland	33,681	31,950	95%	24,315	72%	36,367	33,598	92%	23,552	65%	36,718	36,718	100%	26,353	72%	37,786	35,303	93%	28,030	74%
	Wynnum	3,429	3,172	93%	0	0%	3,377	3,377	100%	574	17%	2,851	2,651	93%	212	7%	3,411	3,411	100%	546	16%
Metro South		**334,374**	**306,760**	**92%**	**156,125**	**47%**	**343,095**	**318,791**	**93%**	**150,612**	**44%**	**356,677**	**354,460**	**99%**	**163,575**	**46%**	**374,610**	**372,033**	**99%**	**198,259**	**53%**
North West	Cloncurry	902	653	72%	0	0%	1,004	1,004	100%	0	0%	1,178	1,178	100%	0	0%	1,208	1,208	100%	1,208	100%
	Doomadgee	0	0	0%	0	N/A	50	50	100%	0	0%	207	207	100%	0	0%	313	313	100%	0	0%
	Julia Creek	505	505	100%	0	0%	399	399	100%	0	0%	224	224	100%	0	0%	247	247	100%	0	0%
	Mornington Is	300	300	100%	0	0%	64	64	100%	0	0%	467	467	100%	0	0%	298	297	100%	0	0%
	Mt Isa	16,693	16,693	100%	16,693	100%	23,651	23,651	100%	23,651	100%	18,444	18,444	100%	18,260	99%	20,287	20,287	100%	20,083	99%
	Normanton	516	331	64%	0	0%	551	551	100%	0	0%	593	593	100%	0	0%	508	508	100%	0	0%
North West		**18,916**	**18,482**	**98%**	**16,693**	**88%**	**25,719**	**25,719**	**100%**	**23,651**	**92%**	**21,113**	**21,113**	**100%**	**18,260**	**86%**	**22,861**	**22,860**	**100%**	**21,291**	**93%**

District	Facility	2008 - 2009					2009 - 2010					2010 - 2011					2011-12				
District	Facility	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate	Exams Performed	Reported	Reported Rate	24 hr Turn-around	24 hr Rate
South West	Augathella	185	185	100%	0	0%	189	189	100%	0	0%	163	163	100%	0	0%	159	159	100%	0	0%
	Charleville	2,775	2,775	100%	575	21%	1,851	1,666	90%	0	0%	3,102	2,502	81%	732	24%	3,080	3,080	100%	2,199	71%
	Cunnamulla	301	301	100%	0	0%	489	489	100%	0	0%	453	453	100%	453	100%	493	493	100%	493	100%
	Dirranbandi	535	535	100%	0	0%	251	251	100%	0	0%	195	195	100%	65	33%	168	168	100%	55	33%
	Injune	173	173	100%	0	0%	209	182	87%	0	0%	190	190	100%	0	0%	277	277	100%	208	75%
	Mitchell	1,332	1,332	100%	0	0%	456	0	0%	0	0%	458	458	100%	0	0%	536	499	93%	0	0%
	Mungindi	198	100	51%	0	0%	240	240	100%	0	0%	136	136	100%	72	53%	268	268	100%	0	0%
	Quilpie	801	100	12%	0	0%	512	0	0%	0	0%	238	5	2%	0	0%	306	306	100%	0	0%
	Roma	2,271	2,271	100%	0	0%	2,921	2,263	77%	0	0%	3,458	3,458	100%	0	0%	3,590	3,590	100%	1,795	50%
	St George	2,506	1,841	73%	0	0%	1,707	1,325	78%	0	0%	1,715	1,609	94%	1,448	84%	2,583	2,583	100%	0	0%
	Surat	493	493	100%	0	0%	414	190	46%	0	0%	179	179	100%	91	51%	215	215	100%	0	0%
	Thargomindah	43	43	100%	0	0%	22	22	100%	0	0%	44	44	100%	26	59%	65	65	100%	0	0%
South West		**11,613**	**10,149**	**87%**	**575**	**5%**	**9,261**	**6,817**	**74%**	**0**	**0%**	**10,331**	**9,392**	**91%**	**2,887**	**28%**	**11,740**	**11,703**	**100%**	**4,750**	**40%**
Sunshine Coast	Caloundra	14,244	14,244	100%	0	0%	12,797	12,797	100%	12,797	100%	21,430	21,430	100%	21,430	100%	16,611	16,611	100%	13,030	78%
	Gympie	10,590	10,590	100%	0	0%	11,535	11,526	100%	11,526	100%	11,961	11,961	100%	6,173	52%	12,168	12,168	100%	7,550	62%
	Nambour	78,575	78,575	100%	30,900	39%	80,662	80,642	100%	80,642	100%	79,209	79,209	100%	79,209	100%	86,505	86,505	100%	73,529	85%
Sunshine Coast		**103,409**	**103,409**	**100%**	**30,900**	**30%**	**104,994**	**104,965**	**100%**	**104,965**	**100%**	**112,600**	**112,600**	**100%**	**106,812**	**95%**	**115,284**	**115,284**	**100%**	**94,109**	**82%**
Torres Strait - Northern Peninsula	Bamaga	526	0	0%	0	0%	542	542	100%	250	46%	535	535	100%	10	2%	701	701	100%	101	14%
	Boigu Island	31	0	0%	0	0%	31	0	0%	0	0%	30	0	0%	0	0%	30	5	17%	0	0%
	Saibai Island	195	0	0%	0	0%	323	0	0%	0	0%	323	0	0%	0	0%	323	54	17%	0	0%
	Thursday Is	3,561	0	0%	0	0%	3,426	3,426	100%	0	0%	6,524	4,115	63%	592	9%	3,559	3,453	97%	0	0%
Torres Strait - Northern Pen.		**4,313**	**0**	**0%**	**0**	**0%**	**4,322**	**3,968**	**92%**	**250**	**6%**	**7,412**	**4,650**	**63%**	**602**	**8%**	**4,613**	**4,213**	**91%**	**101**	**2%**
Townsville	Ayr	2,624	2,547	97%	354	13%	2,178	2,178	100%	0	0%	3,356	3,356	100%	60	2%	3,175	3,175	100%	2,094	66%
	Charters Towers	3,212	3,212	100%	0	0%	3,032	2,577	85%	0	0%	2,955	2,919	99%	231	8%	3,046	3,046	100%	2,590	85%
	Hughenden	511	294	58%	0	0%	814	678	83%	0	0%	416	407	98%	28	7%	399	399	100%	330	83%
	Ingham	5,490	5,490	100%	1,647	30%	5,144	5,144	100%	0	0%	5,254	5,091	97%	100	2%	5,652	5,634	100%	1,000	18%
	Palm Island	783	781	100%	0	0%	720	720	100%	0	0%	820	820	100%	0	0%	1,063	1,063	100%	647	61%
	Richmond	200	185	93%	0	0%	219	209	95%	0	0%	189	189	100%	15	8%	237	237	100%	202	85%
	Townsville	87,394	84,805	97%	33,854	39%	90,697	84,953	94%	21,445	24%	94,922	92,727	98%	37,090	39%	105,254	105,254	100%	49,500	47%
Townsville		**100,214**	**97,314**	**97%**	**35,855**	**36%**	**102,804**	**96,459**	**94%**	**21,445**	**21%**	**107,912**	**105,509**	**98%**	**37,524**	**35%**	**118,826**	**118,808**	**100%**	**56,363**	**47%**
West Moreton	Boonah	535	535	100%	313	59%	501	501	100%	400	80%	557	488	88%	488	88%	654	654	100%	654	100%
	Esk	659	659	100%	527	80%	636	636	100%	509	80%	632	632	100%	632	100%	617	617	100%	617	100%
	Gatton	480	0	0%	0	0%	575	0	0%	0	0%	764	0	0%	0	0%	958	958	100%	958	100%
	Ipswich	58,709	46,380	82%	39,357	67%	59,702	43,582	73%	34,827	58%	64,672	45,113	70%	37,891	59%	65,301	55,930	86%	36,522	56%
	Laidley	472	472	100%	378	80%	461	460	100%	369	80%	798	797	100%	797	100%	861	861	100%	861	100%
West Moreton		**60,855**	**48,046**	**79%**	**40,575**	**67%**	**61,875**	**45,179**	**73%**	**36,105**	**58%**	**67,423**	**47,030**	**70%**	**39,808**	**59%**	**68,391**	**59,020**	**86%**	**39,612**	**58%**
Wide Bay	Biggenden	316	0	0%	0	0%	147	0	0%	0	0%	437	14	3%	0	0%	205	205	100%	61	30%
	Bundaberg	32,149	31,271	97%	7,737	24%	38,106	37,960	100%	7,341	19%	43,512	42,811	98%	14,463	33%	42,603	41,833	98%	12,333	29%
	Childers	499	0	0%	0	0%	422	0	0%	0	0%	167	0	0%	0	0%	69	69	100%	21	30%
	Eidsvold	421	0	0%	0	0%	175	0	0%	0	0%	90	0	0%	0	0%	122	122	100%	40	33%
	Gayndah	423	0	0%	0	0%	371	0	0%	0	0%	401	401	100%	0	0%	343	343	100%	113	33%
	Gin Gin	752	0	0%	0	0%	406	10	2%	0	0%	862	169	20%	0	0%	378	378	100%	125	33%
	Hervey Bay	22,970	4,357	19%	3,232	14%	24,253	5,934	24%	3,808	16%	25,982	25,497	98%	25,497	98%	25,712	25,712	100%	23,140	90%
	Maryborough	12,120	1,685	14%	185	2%	12,072	2,144	18%	704	6%	12,094	11,302	93%	11,302	93%	8,890	8,890	100%	8,000	90%
	Monto	1,435	0	0%	0	0%	1,063	0	0%	0	0%	976	0	0%	0	0%	455	455	100%	150	33%
	Mundubbera	328	0	0%	0	0%	419	0	0%	0	0%	591	0	0%	0	0%	293	293	100%	97	33%
Wide Bay		**71,413**	**37,313**	**52%**	**11,154**	**16%**	**77,434**	**46,048**	**59%**	**11,853**	**15%**	**85,112**	**80,194**	**94%**	**51,262**	**60%**	**79,070**	**78,300**	**99%**	**44,080**	**56%**
Total Districts		**1,582,143**	**1,249,454**	**79%**	**614,814**	**39%**	**1,610,995**	**1,337,327**	**83%**	**667,241**	**41%**	**1,674,915**	**1,461,068**	**87%**	**929,975**	**56%**	**1,762,353**	**1,566,048**	**89%**	**1,010,451**	**57%**
Mater	Mater Adults		25,212														49,930	49,930	100%	33,150	66%
	Mater Childrens		1,274,666														45,509	45,509	100%	36,516	80%
Mater																	**95,439**	**95,439**	**100%**	**69,666**	**73%**
TOTAL		**1,582,143**	**1,249,454**	**79%**	**614,814**	**39%**	**1,610,995**	**1,337,327**	**83%**	**667,241**	**41%**	**1,674,915**	**1,461,068**	**87%**	**929,975**	**56%**	**1,857,792**	**1,661,487**	**89%**	**1,080,117**	**58%**

Appendix 8:

2011 - 2012 RADIOLOGY FACILITIES REPORTING SATISFACTION													
		Reporting Rates				Responded to Reporting Satisfaction Question	District Response Rate	Satisfied with Image Reporting		Imaging Reporting is Improving		NOT Satisfied with Image Reporting	
District	Facility	2008-09	2009-10	2009-10	2010-11			Number of Sites	District Satisfied Rate	Number of Sites	District Improving Rate	Number of Sites	District NOT Satisfied Rate
Cairns and Hinterland	Atherton	82%	93%	98%	100%	Yes		1					
	Babinda	100%	100%	100%	100%	Yes		1					
	Cairns	100%	99%	99%	99%	Yes		1					
	Croydon	0%	0%	76%	100%	Yes		1					
	Georgetown	0%	0%	15%	100%	Yes				1			
	Innisfail	60%	100%	100%	100%	Yes		1					
	Mareeba	58%	100%	100%	100%	Yes		1					
	Mossman	100%	100%	100%	100%	Yes		1					
	Tully	100%	100%	100%	100%	Yes		1					
	Yarrabah	0%	0%	100%	100%	Yes		1					
Cairns and Hinterland		94%	98%	99%	99%	**10**	**100%**	**9**	**90%**	**1**	**10%**	**0**	**0%**
Cape York	Aurukun	0%	100%	100%	100%	Yes						1	
	Coen	0%	0%	100%	100%	Yes						1	
	Cooktown	6%	58%	93%	98%	Yes				1			
	Kowanyama	0%	0%	100%	100%	Yes						1	
	Lockhart River	0%	0%	100%	100%	Yes						1	
	Pormpuraaw	0%	0%	100%	100%	Yes						1	
	Weipa	0%	76%	100%	100%	Yes						1	
	Wujal Wujal	0%	50%	96%	100%	Yes						1	
Cape York		2%	62%	96%	99%	**8**	**100%**	**0**	**0%**	**1**	**13%**	**7**	**88%**
Central Queensland	Baralaba	8%	0%	100%	97%	Yes		1					
	Biloela	35%	100%	100%	100%	Yes						1	
	Blackwater	0%	0%	100%	100%	Yes				1			
	Emerald	0%	1%	100%	98%	Yes				1			
	Gladstone	78%	100%	90%	98%	Yes				1			
	Moura	0%	100%	100%	94%	Yes		1					
	Mt Morgan	0%	0%	85%	92%	Yes		1					
	Rockhampton	77%	76%	98%	64%	Yes		1					
	Springsure	0%	0%	100%	100%	Yes				1			
	Theodore	0%	0%	100%	100%	Yes		1					
	Woorabinda	0%	0%	100%	100%	Yes				1			
	Yeppoon	4%	100%	100%	100%	Yes		1					
Central Queensland		66%	74%	97%	73%	**12**	**100%**	**6**	**50%**	**5**	**42%**	**1**	**8%**
Central West	Alpha	0%	0%	100%	89%	Yes				1			
	Aramac	0%	0%	82%	100%	Yes		1					
	Barcaldine	29%	31%	81%	100%	Yes		1					
	Blackall	0%	0%	100%	98%	Yes				1			
	Boulia	0%	0%	0%	54%	Yes		1					
	Isisford	0%	0%	100%	86%	Yes		1					
	Jundah	4%	6%	0%	71%	Yes		1					
	Longreach	38%	41%	74%	90%	Yes				1			
	Muttaburra	0%	0%	67%	89%	Yes		1					
	Tambo	0%	0%	10%	75%	Yes		1					
	Winton	0%	0%	18%	97%	Yes				1			
Central West		20%	25%	73%	98%	**11**	**100%**	**7**	**64%**	**4**	**36%**	**0**	**0%**
Children's Health Services	RCH	100%	100%	100%	100%	Yes		1					
Children's Health Services		100%	100%	100%	100%	**1**	**100%**	**1**	**100%**	**0**	**0%**	**0**	**0%**
Darling Downs	Cherbourg	0%	0%	0%	29%	Yes				1			
	Chinchilla	0%	0%	98%	36%	Yes		1					
	Dalby	91%	96%	92%	100%	Yes		1					
	Goondiwindi	100%	100%	100%	99%	Yes		1					
	Inglewood	0%	0%	0%	47%	Yes		1					
	Jandowae	0%	0%	100%	33%	Yes		1					
	Kingaroy	0%	2%	2%	45%	Yes				1			
	Miles	9%	28%	42%	80%	Yes		1					
	Millmerran	0%	0%	76%	12%	Yes						1	
	Murgon	0%	0%	0%	34%	Yes				1			
	Nanango	0%	0%	0%	19%	Yes				1			
	Oakey	0%	0%	100%	28%	Yes				1			
	Stanthorpe	100%	96%	97%	98%	Yes		1					
	Tara	7%	22%	53%	47%	Yes		1					
	Taroom	0%	0%	100%	96%	Yes		1					
	Texas	0%	0%	100%	38%	Yes		1					
	Toowoomba	58%	69%	55%	67%	Yes				1			
	Warwick	80%	73%	100%	96%	Yes				1			
Darling Downs		57%	64%	58%	69%	**18**	**100%**	**10**	**56%**	**7**	**39%**	**1**	**6%**
Gold Coast	Gold Coast	49%	38%	43%	45%	Yes						1	
	Robina				36%	Yes						1	
Gold Coast		42%	38%	40%	42%	**2**	**100%**	**0**	**0%**	**0**	**0%**	**2**	**100%**

District	Facility	Reporting Rates				Responded to Reporting Satisfaction Question	District Response Rate	Satisfied with Image Reporting		Imaging Reporting is Improving		NOT Satisfied with Image Reporting	
		2008-09	2009-10	2009-10	2010-11			Number of Sites	District Satisfied Rate	Number of Sites	District Improving Rate	Number of Sites	District NOT Satisfied Rate
Mackay	Bowen	64%	100%	100%	100%	Yes		1					
	Clermont	0%	0%	100%	100%	Yes		1					
	Collinsville	48%	90%	100%	100%	Yes		1					
	Dysart	0%	0%	100%	100%	Yes		1					
	Mackay	64%	85%	89%	93%	Yes		1					
	Moranbah	0%	0%	22%	100%	Yes		1					
	Proserpine	54%	28%	100%	100%	Yes				1			
	Sarina	17%	100%	100%	100%	Yes		1					
Mackay		55%	73%	89%	95%	8	100%	7	88%	1	13%	0	0%
Metro North	Caboolture	99%	100%	100%	100%	No							
	Kilcoy	100%	100%	40%	100%	No							
	RBWH	100%	100%	100%	98%	No							
	Redcliffe	84%	100%	88%	90%	Yes		1					
	TPCH	55%	74%	66%	74%	Yes				1			
Metro North		84%	94%	89%	91%	2	40%	1	50%	1	50%	0	0%
Metro South	Beaudesert	100%	100%	100%	100%	Yes		1					
	Logan	82%	85%	98%	100%	Yes		1					
	PAH	97%	94%	100%	100%	No							
	QEII	100%	100%	100%	100%	Yes		1					
	Redland	95%	92%	100%	93%	Yes		1					
	Wynnum	93%	100%	93%	100%	Yes		1					
Metro South		92%	93%	99%	99%	5	83%	5	100%	0	0%	0	0%
North West	Cloncurry	72%	100%	100%	100%	Yes		1					
	Doomadgee	0%	100%	100%	100%	Yes		1					
	Julia Creek	100%	100%	100%	100%	No							
	Mornington Is	100%	100%	100%	100%	Yes		1					
	Mt Isa	100%	100%	100%	100%	Yes		1					
	Normanton	64%	100%	100%	100%	Yes				1			
North West		98%	100%	100%	100%	5	83%	4	80%	1	20%	0	0%
South West	Augathella	100%	100%	100%	100%	Yes						1	
	Charleville	100%	90%	81%	100%	Yes		1					
	Cunnamulla	100%	100%	100%	100%	Yes		1					
	Dirranbandi	100%	100%	100%	100%	Yes		1					
	Injune	100%	100%	100%	100%	Yes		1					
	Mitchell	100%	0%	100%	93%	Yes		1					
	Mungindi	51%	100%	100%	100%	Yes						1	
	Quilpie	12%	0%	2%	100%	Yes		1					
	Roma	100%	77%	100%	100%	Yes				1			
	St George	73%	78%	94%	100%	Yes		1					
	Surat	100%	46%	100%	100%	No							
	Thargomindah	100%	100%	100%	100%	No							
South West		87%	74%	91%	100%	10	100%	7	70%	1	10%	2	20%
Sunshine Coast	Caloundra	100%	100%	100%	100%	Yes				1			
	Gympie	100%	100%	100%	100%	Yes				1			
	Nambour	100%	100%	100%	100%	Yes		1					
Sunshine Coast		100%	100%	100%	100%	3	100%	1	33%	2	67%	0	0%
Torres Strait - Northern Peninsula	Bamaga	0%	100%	100%	100%	Yes				1			
	Boigu Island	0%	0%	0%	17%	Yes						1	
	Saibai Island	0%	0%	0%	17%	Yes						1	
	Thursday Is	0%	100%	63%	97%	Yes				1			
Torres Strait - Northern Pen.		0%	92%	63%	91%	4	100%	0	0%	2	50%	2	50%
Townsville	Ayr	97%	100%	100%	100%	Yes				1			
	Charters Towers	100%	85%	99%	100%	Yes		1					
	Hughenden	58%	83%	98%	100%	Yes		1					
	Ingham	100%	100%	97%	100%	Yes				1			
	Palm Island	100%	100%	100%	100%	Yes		1					
	Richmond	93%	95%	100%	100%	Yes		1					
	Townsville	97%	94%	98%	100%	Yes		1					
Townsville		97%	94%	98%	100%	7	100%	5	71%	2	29%	0	0%
	Boonah	100%	100%	88%	100%	Yes		1					
	Esk	100%	100%	100%	100%	Yes		1					
	Gatton	0%	0%	0%	100%	Yes						1	
	Ipswich	82%	73%	70%	86%	Yes				1			
	Laidley	100%	100%	100%	100%	Yes		1					
West Moreton		79%	73%	70%	86%	5	100%	3	60%	1	20%	1	20%
Wide Bay	Biggenden	0%	0%	3%	100%	Yes		1					
	Bundaberg	97%	100%	98%	98%	Yes		1					
	Childers	0%	0%	0%	100%	Yes		1					
	Eidsvold	0%	0%	0%	100%	Yes		1					
	Gayndah	0%	0%	100%	100%	Yes		1					
	Gin Gin	0%	2%	20%	100%	Yes		1					
	Hervey Bay	19%	24%	98%	100%	Yes		1					
	Maryborough	14%	18%	93%	100%	Yes		1					
	Monto	0%	0%	0%	100%	Yes		1					
	Mundubbera	0%	0%	0%	100%	Yes		1					
Wide Bay		52%	59%	94%	99%	10	100%	10	100%	0	0%	0	0%
Total Districts		79%	83%	87%	89%	121	100%	76	63%	29	24%	16	13%
Mater	Mater Adults					Yes				1			
	Mater Childrens					Yes		1					
Mater						2	100%	1	100%	1	50%	0	0%
TOTAL		79%	83%	87%	89%	123	95%	77	59%	30	23%	16	12%

Appendix 9:

TWO YEAR COMPARISONS OF WAITING TIMES FOR PATIENT APPOINTMENTS																																								
Facility	Ultrasound								CT								Angio/Interventional								Fluoro/Special procedures								MRI							
	Inpatients				Outpatients				Inpatients				Outpatients				Inpatients				Outpatients				Inpatients				Outpatients				Inpatients				Outpatients			
	Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days				Waiting Times in Days			
	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec	10-11	11-12	Inc	Dec
Atherton										1							1																							
Cairns	1	1			21	7		14	1	1			3	1		2	1	1			7	7			1	1			7	7			1	1			14	21	7	
Innisfail	1	1			1	1				1				1																										
Mareeba		1				1																																		
Mossman	1	1			4	10	6																																	
Tully	5	5			5	5																																		
Aurukun	0	0			0	0																																		
Weipa		14			7	14	7																																	
Gladstone	1	1			2	4	2																																	
Rockhampton										0				7												3				7				2				2		
Longreach	3	14	11		3	14	11																																	
RCH	0	0			16	4		12	0	0			26	18		8	0	0							0	0			3	5	2		0				77	128	51	
Warwick	7				7																																			
Gold Coast	2	2			20	30	10		1	1			10	20	10		3	10	7		40	20		20	3	10	7		20	20			4	2		2	50	40		10
Robina	2	2			25	15		10	2	2			10	10				2				10			2	2			10	15	5			2				30		
Bowen	5	4		1	5	4		1																																
Mackay	1	1			2	2			1	1			2	2			1	1			2	2			1	1			2	2			1	1			2	2		
Moranbah	1	1			5	5																																		
Proserpine									1	1			1	1			1	1			1	1																		
Caboolture	0	0			5	10	5		0	0			1	0		1	1	1			5	3		2	0				5				1	1			5	5		
RBWH	1	1			18	18			2	1		1	24	21		3	1	1			12	12			1	1			2	1		1	3	2		1	48	42		6
Redcliffe	1	1			42	14		28	1	1			7	7			2	1		1	14	14			1	1			5	5										
TPCH	1	1			5	7	2		1	1			15	3		12	3	1		2	15	1		14	2	1		1	15	1		14	1	1			40	10		30
Logan	2	1		1	80	60		20	1	1			3	2		1									2	1		1	3	3			2	1		1	5	5		
PAH	1	1			10	2		8	1	1			2	2			1	1			2	3	1		1	1			3	3			1	1			15	31	16	
QEII																	0	0			2	3	1		0	0			0	3	3		1	1			7	7		
Redland	1	1			1	1			1	1			1	1																										
Caloundra	1	1			4	6	2		1	2	1																													
Gympie	2	1		1	10	7		3	1	1			2	2																										
Nambour	1	0		1	7	5		2	0	0			10	20	10										0	0			0	2	2		0	2	2		9	30	21	
Bamaga	7				7																																			
Thursday Is	1				2																																			
Ayr		1				7																																		
Townsville	1	5	4		14	45	31		0	1	1		14	1		13	3	5	2		0	14	14		1	5	4		5	14	9		2	5	3		32	45	13	
Ipswich	5	2		3	9	5		4	1	1			4	4											3	2		1	4	4										
Bundaberg	1	1			2	3	1		0	0			1	2	1		1	1			1	1			0	0			1	1										
Hervey Bay		1				2								1																										
Maryborough	1	1			3	3																																		
Mater Adults	1	2	1		5	10	5		1	1			5	5			1	1			5	5			1	1			5	5			3	5	2		60	90	30	
Mater Childrens	1	1			7	7			1	1			7	7											1	1			0	0										
Maximum waiting times	7	14			80	60			2	2			26	21			3	10			40	20			3	10			20	20			4	5			77	128		
Average waiting time	2	2			11	10			1	1			7	6			1	2			8	7			1	2			5	5			2	2			28	33		
Maximum increase in waiting time			11				31				1				10				7				14				7				9				3				51	
Maximum decrease in waiting time				3				28				1				13				2				20				1				14				2				30

Appendix 10:

2011 - 2012 RADIOLOGY MEDICAL RADIATION PROFESSIONALS (MRP) FTES AND VACANCY RATES																2010-11 MRP FTES AND VACANCY RATES		
		Professional FTEs									Vacant FTEs							
District	Facility	Radio-graphers (non-clinical excl PACS)	Radio-graphers (excl PACS)	Radio-graphers PACS	Radio- / Sono-graphers	Sono-graphers	Other MRPs (Nuc Med)	SPP Grads (NPDP)	Other Profess-ionals	Total Funded FTEs	Locum Backfill	No Backfill	Total Vacant FTE	Total Vacancy Rate	Unfilled Vacancy Rate	Total Funded FTEs	Total Vacancy Rate	Unfilled Vacancy Rate
Cairns and Hinterland	Atherton	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Cairns	2.00	14.31	2.00	5.00	2.00	0.60	2.00	-	27.91	-	-	-	0%	0%	25.62	0%	0%
	Innisfail	-	1.30	-	1.00	-	-	-	-	2.30	-	-	-	0%	0%	1.72	0%	0%
	Mareeba	-	0.50	-	0.50	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Mossman	-	-	-	1.00	-	-	-	-	1.00	-	-	-	0%	0%	1.40	0%	0%
	Tully	-	-	-	0.20	-	-	-	-	0.20	-	-	-	0%	0%	0.17	0%	0%
Cairns and Hinterland		**2.00**	**17.11**	**2.00**	**7.70**	**2.00**	**0.60**	**2.00**	**-**	**33.41**	**-**	**-**	**-**	**0%**	**0%**	**31.02**	**0%**	**0%**
	Cooktown	-	-	-	1.00	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Weipa	-	-	-	1.00	-	-	-	-	1.00	1.00	-	1.00	100%	0%	1.00	100%	0%
Cape York		**-**	**-**	**-**	**2.00**	**-**	**-**	**-**	**-**	**2.00**	**1.00**	**-**	**1.00**	**50%**	**0%**	**2.00**	**50%**	**0%**
	Biloela	-	1.00	-	-	-	-	-	-	1.00	-	0.21	0.21	21%	21%	1.18	0%	0%
	Emerald	-	2.00	-	-	-	-	-	-	2.00	-	-	-	0%	0%	1.00	0%	0%
	Gladstone	-	1.00	-	2.00	-	-	-	-	3.00	-	1.00	1.00	33%	33%	3.00	20%	20%
	Rockhampton	1.00	10.00	1.00	1.60	1.00	-	2.00	-	16.60	-	-	-	0%	0%	17.80	10%	4%
Central Queensland		**1.00**	**14.00**	**1.00**	**3.60**	**1.00**	**-**	**2.00**	**-**	**22.60**	**-**	**1.21**	**1.21**	**5%**	**5%**	**22.98**	**10%**	**6%**
	Longreach	1.00	1.00	-	0.50	-	-	-	-	2.50	-	-	-	0%	0%	1.60	0%	0%
Central West		**1.00**	**1.00**	**-**	**0.50**	**-**	**-**	**-**	**-**	**2.50**	**-**	**-**	**-**	**0%**	**0%**	**1.60**	**0%**	**0%**
Children's Health Services	RCH	-	16.10	1.00	2.26	-	-	1.00	-	20.36	1.00	-	1.00	5%	0%	19.30	0%	0%
Children's Health Services		**-**	**16.10**	**1.00**	**2.26**	**-**	**-**	**1.00**	**-**	**20.36**	**1.00**	**-**	**1.00**	**5%**	**0%**	**19.30**	**0%**	**0%**
	Dalby	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.20	0%	0%
	Goondiwindi	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Kingaroy	-	2.00	-	-	1.00	-	-	-	3.00	-	-	-	0%	0%	2.53	0%	0%
	Stanthorpe	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Toowoomba	1.00	13.89	-	5.97	0.63	0.63	3.00	-	25.12	-	1.00	1.00	4%	4%	28.12	0%	0%
	Warwick	-	1.33	-	-	-	-	-	-	1.33	-	-	-	0%	0%	1.00	0%	0%
Darling Downs		**1.00**	**20.22**	**-**	**5.97**	**1.63**	**0.63**	**3.00**	**-**	**32.45**	**-**	**1.00**	**1.00**	**3%**	**3%**	**34.85**	**0%**	**0%**
Gold Coast	Gold Coast	1.00	38.50	1.00	3.00	5.40	2.00	4.00	-	54.90	5.00	2.80	7.80	14%	5%	53.10	9%	2%
	Robina	1.00	23.50	-	-	2.40	-	-	-	26.90	1.00	1.00	2.00	7%	4%	18.00	11%	11%
Gold Coast		**2.00**	**62.00**	**1.00**	**3.00**	**7.80**	**2.00**	**4.00**	**-**	**81.80**	**6.00**	**3.80**	**9.80**	**12%**	**5%**	**71.10**	**10%**	**4%**
Mackay	Bowen	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Mackay	2.00	8.00	1.00	2.00	-	-	2.00	-	15.00	-	-	-	0%	0%	15.00	0%	0%
	Moranbah	-	-	-	1.00	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Proserpine	-	2.00	-	-	-	-	-	-	2.00	-	-	-	0%	0%	2.00	0%	0%
Mackay		**2.00**	**11.00**	**1.00**	**3.00**	**-**	**-**	**2.00**	**-**	**19.00**	**-**	**-**	**-**	**0%**	**0%**	**19.00**	**0%**	**0%**
Metro North	Caboolture	0.50	14.80	-	-	2.50	1.00	2.00	0.20	21.00	-	-	-	0%	0%	20.00	0%	0%
	RBWH	3.00	79.00	2.80	5.80	1.00	-	6.00	-	97.60	-	2.00	2.00	2%	2%	95.70	27%	7%
	Redcliffe	1.00	16.80	0.50	9.40	-	-	-	-	27.70	1.60	1.60	3.20	12%	6%	20.60	5%	0%
	TPCH	3.00	45.01	1.00	6.00	-	4.50	4.00	-	63.51	0.50	0.40	0.90	1%	1%	59.00	18%	10%
Metro North		**7.50**	**155.61**	**4.30**	**21.20**	**3.50**	**5.50**	**12.00**	**0.20**	**209.81**	**2.10**	**4.00**	**6.10**	**3%**	**2%**	**222.37**	**17%**	**6%**
Metro South	Beaudesert	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Logan	2.00	19.00	-	6.00	1.00	-	2.00	-	30.00	-	-	-	0%	0%	23.20	0%	0%
	PAH	3.00	79.00	1.00	4.00	1.00	9.00	8.00	-	105.00	7.60	-	7.60	7%	0%	105.00	8%	2%
	QEII	-	7.00	0.25	-	2.50	-	1.00	0.10	10.85	-	-	-	0%	0%	10.85	0%	0%
	Redland	1.00	14.54	0.90	1.00	1.70	-	1.00	-	20.14	-	-	-	0%	0%	17.50	9%	9%
	Wynnum	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
Metro South		**6.00**	**121.54**	**2.15**	**11.00**	**6.20**	**9.00**	**12.00**	**0.10**	**167.99**	**7.60**	**-**	**7.60**	**5%**	**0%**	**158.55**	**6%**	**2%**
	Charleville	-	1.50	-	-	-	-	-	-	1.50	-	-	-	0%	0%	1.00	50%	0%
	Roma	-	2.00	-	-	-	-	-	-	2.00	-	-	-	0%	0%	2.00	0%	0%
	St George	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	100%	0%
South West		**-**	**4.50**	**-**	**-**	**-**	**-**	**-**	**-**	**4.50**	**-**	**-**	**-**	**0%**	**0%**	**4.00**	**38%**	**0%**
Sunshine Coast	Caloundra	-	3.80	-	2.00	-	-	-	-	5.80	-	-	-	0%	0%	6.80	0%	0%
	Gympie	-	2.50	-	0.50	0.80	-	-	-	3.80	-	-	-	0%	0%	3.80	0%	0%
	Nambour	3.00	24.40	1.00	7.00	1.00	-	4.00	1.00	41.40	-	-	-	0%	0%	33.00	0%	0%
Sunshine Coast		**3.00**	**30.70**	**1.00**	**9.50**	**1.80**	**-**	**4.00**	**1.00**	**51.00**	**-**	**-**	**-**	**0%**	**0%**	**43.60**	**0%**	**0%**
	Thursday Is	-	-	-	2.00	1.00	-	-	-	3.00	-	-	-	0%	0%	2.40	0%	0%
Torres Strait - Northern Pen.		**-**	**-**	**-**	**2.00**	**1.00**	**-**	**-**	**-**	**3.00**	**-**	**-**	**-**	**0%**	**0%**	**2.40**	**0%**	**0%**
Townsville	Ayr	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Charters Towers	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Ingham	-	1.00	-	-	-	-	-	-	1.00	-	-	-	0%	0%	1.00	0%	0%
	Townsville	3.00	34.50	2.00	3.00	6.00	4.00	5.00	-	57.50	-	6.90	6.90	12%	12%	58.00	10%	5%
Townsville		**3.00**	**37.50**	**2.00**	**3.00**	**6.00**	**4.00**	**5.00**	**-**	**60.50**	**-**	**6.90**	**6.90**	**11%**	**11%**	**61.00**	**9%**	**4%**
	Ipswich	1.00	12.80	1.00	4.70	4.80	-	4.00	-	28.30	-	-	-	0%	0%	22.50	0%	0%
West Moreton		**1.00**	**12.80**	**1.00**	**4.70**	**4.80**	**-**	**4.00**	**-**	**28.30**	**-**	**-**	**-**	**0%**	**0%**	**22.50**	**0%**	**0%**
	Bundaberg	1.00	13.00	0.50	1.00	1.00	-	2.00	-	18.50	-	-	-	0%	0%	19.00	0%	0%
	Hervey Bay	0.30	5.00	1.00	4.00	-	-	1.00	-	11.30	-	-	-	0%	0%	8.50	0%	0%
	Maryborough	0.30	1.00	-	0.80	-	-	-	-	2.10	-	-	-	0%	0%	3.50	0%	0%
Wide Bay		**1.60**	**19.00**	**1.50**	**5.80**	**1.00**	**-**	**3.00**	**-**	**31.90**	**-**	**-**	**-**	**0%**	**0%**	**31.00**	**0%**	**0%**
Total Districts		**31.10**	**523.08**	**17.95**	**85.23**	**36.73**	**21.73**	**54.00**	**1.30**	**771.12**	**17.70**	**16.91**	**34.61**	**4%**	**2%**	**748.47**	**9%**	**3%**
Mater	Mater Adults	-	17.73	-	3.86	-	-	-	-	21.59	-	0.40	0.40	2%	2%			
	Mater Childrens	-	13.00	-	4.40	-	-	-	-	17.40	-	-	-	0%	0%			
Mater		**-**	**30.73**	**-**	**8.26**	**-**	**-**	**-**	**-**	**38.99**	**-**	**0.40**	**0.40**	**1%**	**1%**			
TOTAL		**31.10**	**553.81**	**17.95**	**93.49**	**36.73**	**21.73**	**54.00**	**1.30**	**810.11**	**17.70**	**17.31**	**35.01**	**4%**	**2%**			

Appendix 11:

2011 - 2012 RADIOLOGY WORKFORCE COMPOSITION																					
		Medical FTEs				Professional FTEs							Other FTEs				PACS FTEs				
District	Facility	Radio-logists	Other Med Spec (Nuc Med)	Regist-rars	VMOs	Radio-graphers (non-clinical excl PACS)	Radio-graphers (excl PACS)	Radio- / Sono-graphers	Sono-graphers	Other MRPs (Nuc Med)	SPP Grads (NPDP)	Other Profess-ionals	Nursing Staff	Medical Imaging Assists	Other Oper-ationl	Admin Officers (excl PACS)	Radio-grapher s	RIS Analyst Support	Other PACS Officers	TOTAL FTES	Hospital Employed X-Ray Operators and Trainees
Cairns and Hinterland	Atherton	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-
	Babinda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Cairns	-	-	-	-	2.00	14.31	5.00	2.00	0.60	2.00	-	8.68	3.80	-	11.50	2.00	-	-	51.89	-
	Croydon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Georgetown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Innisfail	-	-	-	-	-	1.30	1.00	-	-	-	-	0.20	-	-	1.00	-	-	-	3.50	-
	Mareeba	-	-	-	-	-	0.50	0.50	-	-	-	-	-	-	-	1.00	-	-	-	2.00	2
	Mossman	-	-	-	-	-	-	1.00	-	-	-	-	-	0.50	-	1.00	-	-	-	2.50	1
	Tully	-	-	-	-	-	-	0.20	-	-	-	-	-	-	-	-	-	-	-	0.20	4
	Yarrabah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Cairns and Hinterland		-	-	-	-	2.00	17.11	7.70	2.00	0.60	2.00	-	8.88	4.30	-	14.50	2.00	-	-	61.09	21
Cape York	Aurukun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Coen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Cooktown	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	1.00	6
	Kowanyama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Lockhart Rive	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Pormpuraaw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Weipa	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	1.00	9
	Wujal Wujal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Cape York		-	-	-	-	-	-	2.00	-	-	-	-	-	-	-	-	-	-	-	2.00	25
Central Queensland	Baralaba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Biloela	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	5
	Blackwater	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Emerald	-	-	-	-	-	2.00	-	-	-	-	-	-	-	-	-	-	-	-	2.00	1
	Gladstone	-	-	-	-	-	1.00	2.00	-	-	-	-	-	-	-	1.50	-	-	-	4.50	-
	Moura	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Mt Morgan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	Rockhamptor	-	-	-	-	1.00	10.00	1.60	1.00	-	2.00	-	6.54	1.00	2.00	3.00	1.00	1.00	1.00	31.14	-
	Springsure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Theodore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	Woorabinda	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Yeppoon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Central Queensland		-	-	-	-	1.00	14.00	3.60	1.00	-	2.00	-	6.54	1.00	2.00	4.50	1.00	1.00	1.00	38.64	49
Central West	Alpha	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Aramac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barcaldine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Blackall	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Boulia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Isisford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Jundah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Longreach	-	-	-	-	1.00	1.00	0.50	-	-	-	-	-	-	-	-	-	-	-	2.50	1
	Muttaburra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Tambo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Winton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Central West		-	-	-	-	1.00	1.00	0.50	-	-	-	-	-	-	-	-	-	-	-	2.50	19
Children's Health Services	RCH	3.00	-	3.00	-	-	16.10	2.26	-	-	1.00	-	4.50	-	-	6.83	1.00	1.00	-	38.69	-
Children's Health Services		3.00	-	3.00	-	-	16.10	2.26	-	-	1.00	-	4.50	-	-	6.83	1.00	1.00	-	38.69	0
Darling Downs	Cherbourg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Chinchilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Dalby	-	-	-	-	-	1.00	-	-	-	-	-	-	1.00	-	-	-	-	-	2.00	1
	Goondiwindi	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	3
	Inglewood	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Jandowae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kingaroy	-	-	-	-	-	2.00	-	1.00	-	-	-	-	-	-	-	-	-	-	3.00	-
	Miles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Millmerran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Murgon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Nanango	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Oakey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Stanthorpe	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	3
	Tara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Taroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Texas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Toowoomba	3.00	-	0.50	0.33	1.00	13.89	5.97	0.63	0.63	3.00	-	5.87	2.00	-	6.00	-	-	2.00	44.82	-
	Warwick	-	-	-	-	-	1.33	-	-	-	-	-	0.45	-	-	-	-	-	-	1.78	3
Darling Downs		3.00	-	0.50	0.33	1.00	20.22	5.97	1.63	0.63	3.00	-	6.32	3.00	-	6.00	-	-	2.00	53.60	54
Gold Coast	Gold Coast	7.50	-	6.00	-	1.00	38.50	3.00	5.40	2.00	4.00	-	13.10	2.00	13.00	12.80	1.00	1.00	1.00	111.30	-
	Robina	3.25	-	5.10	-	1.00	23.50	-	2.40	-	-	-	8.50	-	4.00	6.20	-	-	-	53.95	-
Gold Coast		10.75	-	11.10	-	2.00	62.00	3.00	7.80	2.00	4.00	-	21.60	2.00	17.00	19.00	1.00	1.00	1.00	165.25	0

		Medical FTEs				Professional FTEs							Other FTEs				PACS FTEs				
District	Facility	Radio-logists	Other Med Spec (Nuc Med)	Regist-rars	VMOs	Radio-graphers (non-clinical excl PACS)	Radio-graphers (excl PACS)	Radio- / Sono-graphers	Sono-graphers	Other MRPs (Nuc Med)	SPP Grads (NPDP)	Other Profess-ionals	Nursing Staff	Medical Imaging Assists	Other Oper-ationl	Admin Officers (excl PACS)	Radio-grapher s	RIS Analyst Support	Other PACS Officers	TOTAL FTES	Hospital Employed X-Ray Operators and Trainees
Mackay	Bowen	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	1
	Clermont	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Collinsville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Dysart	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Mackay	1.00	-	-	0.50	2.00	8.00	2.00	-	-	2.00	-	2.00	-	1.00	5.00	1.00	-	1.00	25.50	-
	Moranbah	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	1.00	3
	Proserpine	-	-	-	-	-	2.00	-	-	-	-	-	1.00	-	-	-	-	-	-	3.00	2
	Sarina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Mackay		**1.00**	**-**	**-**	**0.50**	**2.00**	**11.00**	**3.00**	**-**	**-**	**2.00**	**-**	**3.00**	**-**	**1.00**	**5.00**	**1.00**	**-**	**1.00**	**30.50**	**19**
Metro North	Caboolture	2.00	0.40	0.20	-	0.50	14.80	-	2.50	1.00	2.00	0.20	2.20	0.40	-	8.00	-	-	-	34.20	-
	Kilcoy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	RBWH	18.92	-	20.00	2.00	3.00	79.00	5.80	1.00	-	6.00	-	33.50	8.00	-	47.50	2.80	1.50	-	229.02	-
	Redcliffe	2.00	-	1.00	-	1.00	16.80	9.40	-	-	-	-	5.00	-	3.00	5.00	0.50	-	-	43.70	-
	TPCH	6.38	1.25	7.43	0.74	3.00	45.01	6.00	-	4.50	4.00	-	9.51	1.00	0.89	10.30	1.00	-	-	101.01	-
Metro North		**29.30**	**1.65**	**28.63**	**2.74**	**7.50**	**155.61**	**21.20**	**3.50**	**5.50**	**12.00**	**0.20**	**50.21**	**9.40**	**3.89**	**70.80**	**4.30**	**1.50**	**-**	**407.93**	**4**
Metro South	Beaudesert	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-
	Logan	1.40	-	1.00	1.00	2.00	19.00	6.00	1.00	-	2.00	-	5.00	4.00	6.00	8.00	-	-	-	56.40	-
	PAH	13.25	0.60	21.00	1.00	3.00	79.00	4.00	1.00	9.00	8.00	-	34.80	5.00	12.00	33.20	1.00	2.00	1.00	228.85	-
	QEII	1.50	0.10	-	-	-	7.00	-	2.50	-	1.00	0.10	1.00	3.00	-	7.00	0.25	0.10	-	23.55	-
	Redland	-	-	-	-	1.00	14.54	1.00	1.70	-	1.00	-	1.06	-	1.00	3.10	0.90	-	-	25.30	-
	Wynnum	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-
Metro South		**16.15**	**0.70**	**22.00**	**2.00**	**6.00**	**121.54**	**11.00**	**6.20**	**9.00**	**12.00**	**0.10**	**41.86**	**12.00**	**19.00**	**51.30**	**2.15**	**2.10**	**1.00**	**336.10**	**0**
North West	Cloncurry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	Doomadgee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Julia Creek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Mornington I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mt Isa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Normanton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
North West		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**21**
South West	Augathella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Charleville	-	-	-	-	-	1.50	-	-	-	-	-	-	-	-	-	-	-	-	1.50	2
	Cunnamulla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Dirranbandi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Injune	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Mitchell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Mungindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Quilpie	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Roma	-	-	-	-	-	2.00	-	-	-	-	-	-	-	-	-	-	-	-	2.00	-
	St George	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	2
	Surat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Thargomindah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
South West		**-**	**-**	**-**	**-**	**-**	**4.50**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4.50**	**33**
Sunshine Coast	Caloundra	0.20	-	-	-	-	3.80	2.00	-	-	-	-	-	-	-	0.50	-	-	-	6.50	-
	Gympie	-	-	-	-	-	2.50	0.50	0.80	-	-	-	-	-	-	1.00	-	-	-	4.80	-
	Nambour	8.25	-	6.00	0.38	3.00	24.40	7.00	1.00	-	4.00	1.00	7.58	-	12.00	12.40	1.00	-	-	88.01	-
Sunshine Coast		**8.45**	**-**	**6.00**	**0.38**	**3.00**	**30.70**	**9.50**	**1.80**	**-**	**4.00**	**1.00**	**7.58**	**-**	**12.00**	**13.90**	**1.00**	**-**	**-**	**99.31**	**0**
Torres Strait - Northern Peninsula	Bamaga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Boigu Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Saibai Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thursday Is	-	-	-	-	-	-	2.00	1.00	-	-	-	-	-	-	-	-	-	-	3.00	2
Torres Strait - Northern Pen		**-**	**-**	**-**	**-**	**-**	**-**	**2.00**	**1.00**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.00**	**5**
Townsville	Ayr	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	1
	Charters Tow	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00	1
	Hughenden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Ingham	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-	1.00	-	-	-	2.00	2
	Palm Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Richmond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Townsville	9.00	2.00	7.00	0.25	3.00	34.50	3.00	6.00	4.00	5.00	-	21.00	5.00	-	14.79	2.00	-	2.00	118.54	-
Townsville		**9.00**	**2.00**	**7.00**	**0.25**	**3.00**	**37.50**	**3.00**	**6.00**	**4.00**	**5.00**	**-**	**21.00**	**5.00**	**-**	**15.79**	**2.00**	**-**	**2.00**	**122.54**	**11**
West Moreton	Boonah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	Esk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	Gatton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Ipswich	-	-	1.00	2.50	1.00	12.80	4.70	4.80	-	4.00	-	2.00	1.00	1.40	8.80	1.00	-	-	45.00	-
	Laidley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
West Moreton		**-**	**-**	**1.00**	**2.50**	**1.00**	**12.80**	**4.70**	**4.80**	**-**	**4.00**	**-**	**2.00**	**1.00**	**1.40**	**8.80**	**1.00**	**-**	**-**	**45.00**	**26**
Wide Bay	Biggenden	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Bundaberg	-	-	-	-	1.00	13.00	1.00	1.00	-	2.00	-	1.00	-	-	4.00	0.50	-	0.50	24.00	-
	Childers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Eidsvold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Gayndah	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Gin Gin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	Hervey Bay	-	-	-	0.40	0.30	5.00	4.00	-	-	1.00	-	1.50	-	1.50	3.00	1.00	-	-	17.70	-
	Maryborough	-	-	-	-	0.30	1.00	0.80	-	-	-	-	-	1.00	-	2.50	-	-	-	5.60	-
	Monto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	Mundubbera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Wide Bay		**-**	**-**	**-**	**0.40**	**1.60**	**19.00**	**5.80**	**1.00**	**-**	**3.00**	**-**	**2.50**	**1.00**	**1.50**	**9.50**	**1.50**	**-**	**0.50**	**47.30**	**37**
Total Districts		**80.65**	**4.35**	**79.23**	**9.10**	**31.10**	**523.08**	**85.23**	**36.73**	**21.73**	**54.00**	**1.30**	**175.99**	**38.70**	**57.79**	**225.92**	**17.95**	**6.60**	**8.50**	**1,457.95**	**324**
Mater	Mater Adults	4.00	-	3.00	0.28	-	17.73	3.86	-	-	-	-	4.10	0.50	-	7.41	-	4.00	-	44.88	-
	Mater Childre	3.50	-	2.00	0.50	-	13.00	4.40	-	-	-	-	1.00	-	0.50	6.00	-	0.50	-	31.40	-
Mater		**7.50**	**-**	**5.00**	**0.78**	**-**	**30.73**	**8.26**	**-**	**-**	**-**	**-**	**5.10**	**0.50**	**0.50**	**13.41**	**-**	**4.50**	**-**	**76.28**	**0**
TOTAL		**88.15**	**4.35**	**84.23**	**9.88**	**31.10**	**553.81**	**93.49**	**36.73**	**21.73**	**54.00**	**1.30**	**181.09**	**39.20**	**58.29**	**239.33**	**17.95**	**11.10**	**8.50**	**1,534.23**	**324**

Appendix 12:

MEDICAL IMAGING PATIENT BILLING REVENUE - SURVEY AND DORI IDENTIFIED										
District	Facility	2009-10			2010-11			2011-12		
		Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue	Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue	Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue
Cairns and Hinterland	Atherton	No			Yes	$ 3,118	$ 3,118	Yes	$ 216,929	$ 216,892
	Babinda				Yes	$ 13,793	$ 13,793	Yes	$ 16,446	$ 16,446
	Cairns	Yes	$ 563,992		Yes	$ 2,377,373	$ 1,758,831	Yes	$ 3,300,020	$ 2,961,708
	Croydon	No						Yes		$ 278
	Georgetown	No								$ 240
	Innisfail	Yes	$ -		Yes	$ 347,166	$ 347,168	Yes	$ 389,539	$ 389,446
	Mareeba	Yes	$ 129,000		Yes	$ 258,178	$ 258,179	Yes	$ 284,800	$ 284,861
	Mossman				Yes	$ 140,202	$ 140,203	Yes	$ 223,101	$ 213,070
	Tully				Yes	$ 11,194	$ 11,195	Yes	$ 29,851	$ 29,847
	Yarrabah	Yes	$ 7,283		Yes	$ 421	$ 421	Yes	$ 6,218	$ 6,218
Cairns and Hinterland			**$ 700,275**	**$ 357,924**		**$ 3,151,445**	**$ 2,532,908**		**$ 4,466,904**	**$ 4,119,006**
Cape York	Aurukun							Yes		
	Coen	No						Yes		
	Cooktown	Yes	$ 100,000		Yes	$ 130,000		Yes	$ 130,630	$ 85,556
	Kowanyama	No			No			Yes		
	Lockhart River							Yes		
	Pormpuraaw	No			No			Yes		
	Weipa				Yes	Not provided		Yes	$ 82,640	$ 5,164
	Wujal Wujal	No			No			Yes		
Cape York			**$ 100,000**	**$ 12,170**		**$ 130,000**	**$ 171**		**$ 213,270**	**$ 90,720**
Central Queensland	Baralaba							No		$ 3,236
	Biloela				Yes	Not provided	$ 21,392	Yes		$ 46,573
	Blackwater	No			No			Yes		
	Emerald	No			No			Yes	$ 2,739	$ 2,458
	Gladstone	Yes	Not provided					Yes	$ 5,000	$ 12,151
	Moura				Yes	Not provided		No		$ 2,563
	Mt Morgan	Yes	Not provided		No			Yes	$ 2,456	
	Rockhampton	Yes	$ 568,361	$ 568,361	Yes	$ 822,272	$ 820,451	Yes	$ 1,556,083	$ 1,591,745
	Springsure	No						Yes		$ 165
	Theodore				Yes	Not provided		Yes		$ 17,997
	Woorabinda				No			Yes		
	Yeppoon							No		
Central Queensland			**$ 568,361**	**$ 568,361**		**$ 822,272**	**$ 841,843**		**$ 1,566,278**	**$ 1,676,888**
Central West	Alpha	No			No		$ -	Yes	$ 2,447	$ 2,447
	Aramac							No		
	Barcaldine	No			No		$ -	Yes	$ 9,854	$ 9,854
	Blackall			$ 3,663	No		$ 3,424	No		$ 2,971
	Boulia							No		
	Isisford				No			No		
	Jundah				No			No		
	Longreach	No		$ 41,956	Yes	$ 67,380	$ 67,379	Yes	$ 152,820	$ 153,762
	Muttaburra							No		
	Tambo			$ 903	No		$ 276	No		$ 266
	Winton	No					$ -	Yes	$ 9,176	$ 9,177
Central West			**$ -**	**$ 46,522**		**$ 67,380**	**$ 71,079**		**$ 174,297**	**$ 178,477**
Children's Health Services	RCH	Yes	$ 1,022,500	$ 1,353,498	Yes	$ 1,351,851	$ 1,351,851	Yes	$ 1,295,749	$ 1,554,014
Children's Health Services			**$ 1,022,500**	**$ 1,353,498**		**$ 1,351,851**	**$ 1,351,851**		**$ 1,295,749**	**$ 1,554,014**
Darling Downs	Cherbourg	Yes	$ 570		No					
	Chinchilla	Yes	$ 564					Yes		
	Dalby	Yes	$ 20,795		Yes	$ 20,735		Yes		
	Goondiwindi				Yes	$ 41,000				
	Inglewood				No					$ 1,162
	Jandowae	Yes	$ 848							
	Kingaroy	Yes	$ 5,977		Yes	$ 787				$ 41,007
	Miles	Yes	$ 278							
	Millmerran				Yes	$ 4,390				
	Murgon	Yes	$ 481		No			No		
	Nanango	No								
	Oakey	Yes	Not provided							
	Stanthorpe	No			Yes	$ 39,041				
	Tara	Yes	$ 6,171		No					
	Taroom	No								$ 1,466
	Texas				Yes	$ 1,900				
	Toowoomba	Yes	$ 30,000	$ 135,669	Yes	$ 308,528	$ 308,528	Yes	$ 1,970,000	$ 1,928,475
	Warwick				Yes	$ 19,749		Yes		$ 981
Darling Downs			**$ 65,684**	**$ 135,669**		**$ 436,130**	**$ 308,528**		**$ 1,970,000**	**$ 1,973,091**
Gold Coast	Gold Coast			$ 1,728,729	Yes	$ 2,316,648	$ 2,574,054	Yes	$ 3,000,000	$ 4,324,258
	Robina				Yes	$ 257,405		Yes	$ 1,300,000	
Gold Coast			**$ -**	**$ 1,728,729**		**$ 2,574,053**	**$ 2,574,054**		**$ 4,300,000**	**$ 4,324,258**

District	Facility	2009-10			2010-11			2011-12		
		Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue	Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue	Patient Billing Process	Survey Identified Billed Amount	DORI Identified Revenue
Mackay	Bowen	Yes	Not provided	$ 755	Yes	Not provided	$ 16,581	Yes	$ 36,266	$ 78,117
	Clermont	No		$ 1,962	Yes	$ 3,600	$ 3,605	Yes		$ 8,071
	Collinsville	Yes	Not provided		Yes	Not provided	$ 4,553	Yes	$ 130,803	$ 25,993
	Dysart	No		$ 30	Yes	$ 4,000	$ 4,098	No		$ 10,953
	Mackay	Yes	Not provided	$ 71,854	Yes	$ 314,148	$ 285,116	Yes	$ 1,225,538	$ 1,246,065
	Moranbah	No		$ 26,563	Yes	$ 42,000	$ 42,192	Yes		$ 91,022
	Proserpine			$ 136,738	Yes	$ 269,580	$ 269,580	No		$ 533,412
	Sarina			$ 2,613	Yes	$ 14,435	$ 14,435			$ 15,300
Mackay			**$ -**	**$ 240,515**		**$ 647,764**	**$ 640,160**		**$ 1,392,607**	**$ 2,008,933**
Metro North	Caboolture	Yes	Not provided		Yes	Not provided		Yes		$ 1,143,742
	Kilcoy									
	RBWH	Yes	$ 3,823,078	$ 3,655,311	Yes	$ 4,265,634	$ 4,265,634	Yes	$ 7,418,000	$ 7,418,068
	Redcliffe	Yes	$ 162,000	$ 133,311	Yes	$ 551,989	$ 551,989	Yes	$ 992,000	$ 992,000
	TPCH	Yes	$ 636,000	$ 1,282,297	Yes	$ 1,370,177	$ 1,370,178	Yes	$ 2,515,252	$ 2,473,831
Metro North			**$ 4,621,078**	**$ 5,070,918**		**$ 6,187,800**	**$ 6,187,801**		**$ 10,925,252**	**$ 12,027,641**
Metro South	Beaudesert				No			No		
	Logan	Yes	$ 1,276,000	$ 1,107,482	Yes	$ 1,322,950	$ 1,287,512	Yes	$ 1,742,566	$ 1,738,598
	PAH	Yes	Not provided	$ 2,617,563	Yes	$ 2,936,886	$ 2,937,167	Yes	$ 8,367,795	$ 8,367,795
	QEII				Yes	Not provided		Yes		
	Redland	Yes	$ 3,000		Yes	$ 30,000		Yes	$ 202,461	$ 224,318
	Wynnum	No			Yes	Not provided		No		
Metro South			**$ 1,279,000**	**$ 3,725,045**		**$ 4,289,836**	**$ 4,224,679**		**$ 10,312,822**	**$ 10,330,711**
North West	Cloncurry						$ 45,161			$ 18,589
	Doomadgee									
	Julia Creek									$ 2,597
	Mornington Is									
	Mt Isa				Yes	Not provided				
	Normanton									$ 15,904
North West			**$ -**	**$ -**		**$ -**	**$ 45,161**		**$ -**	**$ 37,091**
South West	Augathella	Yes	Not provided		Yes	Not provided	$ 649	Yes	$ 2,254	$ 2,254
	Charleville	Yes	$ 6,654		Yes	Not provided	$ 25,077	Yes		$ 59,028
	Cunnamulla	Yes	$ 19,560		Yes	Not provided	$ 9,163			$ 12,940
	Dirranbandi	Yes	$ 3,250		Yes	$ 2,350	$ 1,180	Yes	$ 4,680	$ 3,564
	Injune				Yes	$ 1,800	$ 1,946			$ 3,564
	Mitchell				Yes	Not provided	$ 4,166	Yes	$ 13,532	$ 11,513
	Mungindi	Yes	$ 2,550				$ 2,459	Yes	$ 6,523	$ 6,523
	Quilpie	No					$ -			$ 2,553
	Roma	Yes	Not provided		Yes	Not provided	$ 13,189	Yes	$ 14,460	$ 13,301
	St George	Yes	Not provided		Yes	$ 65,000	$ 17,819	Yes	$ 14,460	$ 14,460
	Surat	Yes	$ 700				$ 2,100	Yes	$ 3,600	$ 3,769
	Thargomindah						$ -			$ -
South West			**$ 32,714**	**$ -**		**$ 69,150**	**$ 77,748**		**$ 59,509**	**$ 133,469**
Sunshine Coast	Caloundra	Yes	Not provided		Yes	$ 41,063	$ 25,184	Yes	$ 8,000	$ 48,998
	Gympie	No			Yes	$ 5,500		Yes	$ 7,800	$ 7,080
	Nambour	Yes	$ 2,132,776	$ 1,917,112	Yes	$ 2,900,000	$ 2,289,872	Yes	$ 3,215,834	$ 3,215,834
Sunshine Coast			**$ 2,132,776**	**$ 1,917,112**		**$ 2,946,563**	**$ 2,315,056**		**$ 3,231,634**	**$ 3,271,912**
Torres Strait - Northern Peninsula	Bamaga	Yes	Not provided		Yes	$ 25,000		Yes	$ 18,060	$ 6,574
	Boigu Island				No			No		
	Saibai Island				No			No		
	Thursday Is	Yes	$ 58,000		Yes	$ 250,000		Yes		$ 300,871
Torres Strait - Northern Peninsula			**$ 58,000**	**$ -**		**$ 275,000**	**$ -**		**$ 18,060**	**$ 307,445**
Townsville	Ayr	Yes	$ 2,400		Yes	$ 516		Yes	$ 50,632	$ 6,145
	Charters Towers	Yes	Not provided		No			Yes	$ 35,075	$ 4,511
	Hughenden	No			No			Yes	$ 7,998	$ 608
	Ingham	No			No					$ 35,441
	Palm Island	No						Yes	$ 17,083	$ 4,805
	Richmond	No			No			Yes	$ 51	
	Townsville	Yes	$ 1,111,142	$ 1,824,799	Yes	$ 1,883,994	$ 1,883,994	Yes	$ 4,093,924	$ 3,730,690
Townsville			**$ 1,113,542**	**$ 1,824,799**		**$ 1,884,510**	**$ 1,883,994**		**$ 4,204,763**	**$ 3,782,200**
West Moreton	Boonah	Yes	$ 1,875							
	Esk	No								
	Gatton									
	Ipswich	Yes	$ 107,393	$ 151,016	Yes	$ 436,681	$ 436,681	Yes	$ 964,368	$ 1,636,247
	Laidley	No								
West Moreton			**$ 109,268**	**$ 151,016**		**$ 436,681**	**$ 436,681**		**$ 964,368**	**$ 1,636,247**
Wide Bay	Biggenden									
	Bundaberg	Yes	$ 30,000	$ 84,726	Yes	$ 351,473	$ 351,473	Yes	$ 528,915	$ 711,314
	Childers	No			Yes	$ 15		No		
	Eidsvold	Yes	$ 1,791		No		$ 298	No		$ 900
	Gayndah				Yes	$ 2,123	$ 678	No		$ 2,178
	Gin Gin	Yes	$ 1,014		No		$ 280			$ 1,460
	Hervey Bay	No			Yes	$ 157,665	$ 65,774	Yes	$ 637,000	$ 757,560
	Maryborough	No					$ 2,169	Yes	$ 118,000	$ 114,378
	Monto				Yes	$ 3,766	$ 1,047	No		$ 3,566
	Mundubbera				Yes	$ 1,814	$ 177	No		$ 3,134
Wide Bay			**$ 32,805**	**$ 84,726**		**$ 516,856**	**$ 421,896**		**$ 1,283,915**	**$ 1,594,490**
Total Districts			**$ 11,836,003**	**$ 17,217,004**		**$ 25,787,290**	**$ 23,913,611**		**$ 46,379,428**	**$ 49,046,592**

Appendix 13:

TWO YEARS - BUDGET AND EXPENDITURE INFORMATION																			
		2010-11									2011-12								
District	Facility	Labour		Non-Labour		Depreciation		Capital	TOTAL	TOTAL	Labour		Non-Labour		Depreciation		Capital	TOTAL	TOTAL
		Budget	Expend	Budget	Expend	Budget	Expend	Expend	Budget	Expend	Budget	Expend	Budget	Expend	Budget	Expend	Expend	Budget	Expend
Cairns and Hinterland	Atherton	$ 316,310	$ 413,349	$ 80,183	$ 218,734	$ 78,398	$ 78,398		$ 474,891	$ 710,481	$ 324,084	$ 347,867	$ 205,597	$ 340,493	$ 177,439	$ 268,324		$ 707,120	$ 956,684
	Babinda	$ 16,453	$ 18,201	$ 2,160	$ 9,119	$ 18,283	$ 18,283		$ 36,896	$ 45,603	$ 20,298	$ 7,963	$ 1,156	$ 17,368	$ 17,573	$ 18,073		$ 39,027	$ 43,404
	Cairns	$ 4,702,122	$ 4,481,694	$ 5,535,780	$ 4,729,347	$ 1,257,381	$ 1,257,381		$ 11,495,283	$ 10,468,422	$ 1,729,189	$ 5,665,056	$ 4,718,329	$ 5,474,916	$ 1,815,632	$ 2,016,021		$ 8,263,150	$ 13,155,993
	Croydon								$ -	$ -								$ -	$ -
	Georgetown								$ -	$ -								$ -	$ -
	Innisfail	$ 377,171	$ 412,076	$ 68,125	$ 268,688	$ 139,239	$ 139,239		$ 584,535	$ 820,003	$ 456,513	$ 421,560	$ 278,113	$ 299,979	$ 134,884	$ 119,402		$ 869,510	$ 840,941
	Mareeba	$ 316,310	$ 413,349	$ 80,183	$ 218,734	$ 78,398	$ 78,398		$ 474,891	$ 710,481	$ 296,444	$ 418,791	$ 75,717	$ 200,579	$ 71,788	$ 73,742		$ 443,949	$ 693,112
	Mossman	$ 200,655	$ 170,594	$ 94,056	$ 140,326	$ 58,079	$ 58,079		$ 352,790	$ 368,999	$ 211,229	$ 183,361	$ 123,100	$ 152,413	$ 55,825	$ 57,547		$ 390,154	$ 393,321
	Tully	$ 25,331	$ 27,578	$ 22,119	$ 69,579	$ 68,011	$ 68,011		$ 115,461	$ 165,168	$ 31,024	$ 11,622	$ 29,418	$ 33,095	$ 65,107	$ 62,701		$ 125,549	$ 107,418
	Yarrabah								$ -	$ -								$ -	$ -
Cairns and Hinterland		**$ 5,954,352**	**$ 5,936,841**	**$ 5,882,606**	**$ 5,654,527**	**$ 1,697,789**	**$ 1,697,789**	**$ -**	**$ 13,534,747**	**$ 13,289,157**	**$ 3,068,781**	**$ 7,056,220**	**$ 5,431,430**	**$ 6,518,843**	**$ 2,339,248**	**$ 2,615,810**	**$ -**	**$ 10,838,459**	**$ 16,190,873**
Cape York	Aurukun								$ -	$ -								$ -	$ -
	Coen								$ -	$ -								$ -	$ -
	Cooktown								$ -	$ -								$ -	$ -
	Kowanyama								$ -	$ -								$ -	$ -
	Lockhart River								$ -	$ -								$ -	$ -
	Pormpuraaw								$ -	$ -								$ -	$ -
	Weipa	$ 126,300	$ 113,297	$ 58,569	$ 63,901	$ 48,780	$ 48,780		$ 233,649	$ 225,978	$ 50,718	$ 209,753	$ 2,701	$ 59,871	$ 69,042	$ 64,042		$ 122,461	$ 333,666
	Wujal Wujal								$ -	$ -								$ -	$ -
Cape York		**$ 126,300**	**$ 113,297**	**$ 58,569**	**$ 63,901**	**$ 48,780**	**$ 48,780**	**$ -**	**$ 233,649**	**$ 225,978**	**$ 50,718**	**$ 209,753**	**$ 2,701**	**$ 59,871**	**$ 69,042**	**$ 64,042**	**$ -**	**$ 122,461**	**$ 333,666**
Central Queensland	Baralaba								$ -	$ -								$ -	$ -
	Biloela	$ 151,340	$ 208,714	$ 33,300	$ 50,223	$ 23,758	$ 23,758		$ 208,398	$ 282,695	$ 167,548	$ 198,460	$ 37,004	$ 97,785	$ 23,119	$ 23,119		$ 227,671	$ 319,364
	Blackwater								$ -	$ -								$ -	$ -
	Emerald	$ 135,000	$ 242,000	$ 422,000	$ 467,000	$ 17,000	$ 17,000		$ 574,000	$ 726,000	$ 228,291	$ 298,044	$ 406,226	$ 549,180				$ 634,517	$ 847,224
	Gladstone	$ 705,419	$ 720,857	$ 300,600	$ 826,216	$ 87,670	$ 87,670		$ 1,093,689	$ 1,634,743	$ 739,415	$ 582,776	$ 762,928	$ 935,712	$ 98,759	$ 98,759		$ 1,601,102	$ 1,617,247
	Moura								$ -	$ -								$ -	$ -
	Mt Morgan								$ -	$ -								$ -	$ -
	Rockhampton	$ 3,602,230	$ 4,605,556	$ 494,000	$ 513,933	$ 1,084,461	$ 1,084,462		$ 5,180,691	$ 6,203,951	$ 3,005,874	$ 3,157,103	$ 614,835	$ 1,186,471	$ 1,063,984	$ 1,063,984	$ 36,105	$ 4,684,693	$ 5,443,663
	Springsure								$ -	$ -								$ -	$ -
	Theodore								$ -	$ -								$ -	$ -
	Woorabinda								$ -	$ -								$ -	$ -
	Yeppoon								$ -	$ -								$ -	$ -
Central Queensland		**$ 4,593,989**	**$ 5,777,127**	**$ 1,249,900**	**$ 1,857,372**	**$ 1,212,889**	**$ 1,212,890**	**$ -**	**$ 7,056,778**	**$ 8,847,389**	**$ 4,141,128**	**$ 4,236,383**	**$ 1,820,993**	**$ 2,769,148**	**$ 1,185,862**	**$ 1,185,862**	**$ 36,105**	**$ 7,147,983**	**$ 8,227,498**
Central West	Alpha								$ -	$ -								$ -	$ -
	Aramac								$ -	$ -								$ -	$ -
	Barcaldine								$ -	$ -								$ -	$ -
	Blackall								$ -	$ -								$ -	$ -
	Boulia								$ -	$ -								$ -	$ -
	Isisford								$ -	$ -								$ -	$ -
	Jundah								$ -	$ -								$ -	$ -
	Longreach	$ 272,685	$ 244,368	$ 34,192	$ 25,581	$ 51,215	$ 51,215		$ 358,092	$ 321,164	$ 263,525	$ 294,335	$ 29,503	$ 42,107	$ 51,275	$ 51,275		$ 344,303	$ 387,717
	Muttaburra								$ -	$ -								$ -	$ -
	Tambo								$ -	$ -								$ -	$ -
	Winton								$ -	$ -								$ -	$ -
Central West		**$ 272,685**	**$ 244,368**	**$ 34,192**	**$ 25,581**	**$ 51,215**	**$ 51,215**	**$ -**	**$ 358,092**	**$ 321,164**	**$ 263,525**	**$ 294,335**	**$ 29,503**	**$ 42,107**	**$ 51,275**	**$ 51,275**	**$ -**	**$ 344,303**	**$ 387,717**
Children's Health Services	RCH	$ 4,368,235	$ 4,290,799	$ 1,025,485	$ 860,072	$ 654,380	$ 654,380		$ 6,048,100	$ 5,805,251	$ 3,988,130	$ 4,036,435	$ 929,983	$ 1,098,803	$ 608,858	$ 608,858		$ 5,526,971	$ 5,744,096
Children's Health Services		**$ 4,368,235**	**$ 4,290,799**	**$ 1,025,485**	**$ 860,072**	**$ 654,380**	**$ 654,380**	**$ -**	**$ 6,048,100**	**$ 5,805,251**	**$ 3,988,130**	**$ 4,036,435**	**$ 929,983**	**$ 1,098,803**	**$ 608,858**	**$ 608,858**	**$ -**	**$ 5,526,971**	**$ 5,744,096**
Darling Downs	Cherbourg																		
	Chinchilla								$ -	$ -								$ -	$ -
	Dalby	$ 275,953	$ 293,480	$ 199,265	$ 171,790	$ 38,810	$ 38,810		$ 514,028	$ 504,080								$ -	$ -
	Goondiwindi	$ 146,945	$ 140,710	$ 108,775	$ 100,556	$ 30,941	$ 30,941	$ 230,843	$ 286,661	$ 503,050								$ -	$ -
	Inglewood								$ -	$ -								$ -	$ -
	Jandowae								$ -	$ -								$ -	$ -
	Kingaroy	$ 404,424	$ 554,639	$ 87,815	$ 64,122	$ 75,546	$ 75,546		$ 567,785	$ 694,307								$ -	$ -
	Miles								$ -	$ -								$ -	$ -
	Millmerran								$ -	$ -								$ -	$ -
	Murgon								$ -	$ -								$ -	$ -
	Nanango								$ -	$ -								$ -	$ -
	Oakey								$ -	$ -								$ -	$ -
	Stanthorpe	$ 207,456	$ 206,444	$ 83,107	$ 66,404	$ 40,576	$ 40,576		$ 331,139	$ 313,424								$ -	$ -
	Tara								$ -	$ -								$ -	$ -
	Taroom								$ -	$ -								$ -	$ -
	Texas								$ -	$ -								$ -	$ -
	Toowoomba	$ 5,982,784	$ 6,222,645	$ 1,880,052	$ 1,642,026	$ 789,899	$ 779,932	$ 154,175	$ 8,652,735	$ 8,798,778	$ 7,432,913	$ 6,769,782	$ 1,637,172	$ 2,059,444	$ 732,777	$ 768,392	$ 25,292	$ 9,802,862	$ 9,622,910
	Warwick	$ 192,417	$ 197,060	$ 123,187	$ 191,183	$ 80,452	$ 80,452	$ 6,450	$ 396,056	$ 475,145	$ 222,734	$ 194,343	$ 118,322	$ 244,128	$ 68,109	$ 68,109		$ 409,165	$ 506,580
Darling Downs		**$ 7,209,979**	**$ 7,614,978**	**$ 2,482,201**	**$ 2,236,081**	**$ 1,056,224**	**$ 1,046,257**	**$ 391,468**	**$ 10,748,404**	**$ 11,288,784**	**$ 7,655,647**	**$ 6,964,125**	**$ 1,755,494**	**$ 2,303,572**	**$ 800,886**	**$ 836,501**	**$ 25,292**	**$ 10,212,027**	**$ 10,129,490**
Gold Coast	Gold Coast	$ 12,736,221	$ 12,636,137	$ 3,924,600	$ 4,160,011	$ 1,617,233	$ 1,617,233		$ 18,278,054	$ 18,413,381	$ 14,448,947	$ 13,344,460	$ 4,107,437	$ 5,124,552	$ 1,340,378	$ 1,340,378		$ 19,896,762	$ 19,809,390
	Robina	$ 3,605,687	$ 3,158,582	$ 570,572	$ 578,603	$ 433,031	$ 433,031		$ 4,609,290	$ 4,170,216	$ 6,121,859	$ 4,936,247	$ 697,468	$ 744,925	$ 773,031	$ 773,031		$ 7,592,358	$ 6,454,203
Gold Coast		**$ 16,341,908**	**$ 15,794,719**	**$ 4,495,172**	**$ 4,738,614**	**$ 2,050,264**	**$ 2,050,264**	**$ -**	**$ 22,887,344**	**$ 22,583,597**	**$ 20,570,806**	**$ 18,280,707**	**$ 4,804,905**	**$ 5,869,477**	**$ 2,113,409**	**$ 2,113,409**	**$ -**	**$ 27,489,120**	**$ 26,263,593**

District	Facility	2010-11 Labour Budget	2010-11 Labour Expend	2010-11 Non-Labour Budget	2010-11 Non-Labour Expend	2010-11 Depreciation Budget	2010-11 Depreciation Expend	2010-11 Capital Expend	2010-11 TOTAL Budget	2010-11 TOTAL Expend	2011-12 Labour Budget	2011-12 Labour Expend	2011-12 Non-Labour Budget	2011-12 Non-Labour Expend	2011-12 Depreciation Budget	2011-12 Depreciation Expend	2011-12 Capital Expend	2011-12 TOTAL Budget	2011-12 TOTAL Expend
Mackay	Bowen	$ 197,113	$ 300,689	$ 55,825	$ 81,542	$ 92,588	$ 37,251		$ 345,526	$ 419,482	$ 300,476	$ 300,684	$ 81,775	$ 63,338	$ 32,605	$ 30,368		$ 414,856	$ 394,390
	Clermont								$ -	$ -								$ -	$ -
	Collinsville								$ -	$ -		$ 3,315	$ 9,084					$ 9,084	$ 3,315
	Dysart								$ -	$ -								$ -	$ -
	Mackay	$ 2,913,157	$ 3,671,688	$ 1,226,324	$ 1,361,048	$ 538,378	$ 538,378	$ -	$ 4,677,859	$ 5,571,114	$ 2,295,535	$ 3,001,455	$ 579,743	$ 298,393	$ 531,907	$ 573,011		$ 3,407,185	$ 3,872,859
	Moranbah								$ -	$ -								$ -	$ -
	Proserpine	$ 414,679	$ 434,415	$ 278,470	$ 116,492				$ 693,149	$ 550,907	$ 434,415	$ 513,888	$ 117,059	$ 316,564				$ 551,474	$ 830,452
	Sarina								$ -	$ -								$ -	$ -
Mackay		**$ 3,524,949**	**$ 4,406,792**	**$ 1,560,619**	**$ 1,559,082**	**$ 630,966**	**$ 575,629**	**$ -**	**$ 5,716,534**	**$ 6,541,503**	**$ 3,030,426**	**$ 3,819,342**	**$ 787,661**	**$ 678,295**	**$ 564,512**	**$ 603,379**	**$ -**	**$ 4,382,599**	**$ 5,101,016**
Metro North	Caboolture								$ -	$ -								$ -	$ -
	Kilcoy								$ -	$ -								$ -	$ -
	RBWH	$ 25,829,038	$ 26,447,480	$ 4,452,629	$ 7,567,539	$ 2,869,867	$ 2,869,867	$ 519,649	$ 33,151,534	$ 37,404,535	$ 26,911,938	$ 27,186,240	$ 6,824,229	$ 7,580,345	$ 3,057,560	$ 3,057,560		$ 36,793,727	$ 37,824,145
	Redcliffe	$ 4,277,973	$ 4,007,968	$ 3,668,499	$ 4,164,352	$ 658,261	$ 658,261		$ 8,604,733	$ 8,830,581	$ 4,651,447	$ 4,601,934	$ 4,054,356	$ 4,850,952	$ 621,390	$ 621,390		$ 9,327,193	$ 10,074,276
	TPCH	$ 11,762,336	$ 12,322,244	$ 2,717,323	$ 3,110,816	$ 1,647,536	$ 1,647,536	$ 80,273	$ 16,127,195	$ 17,160,869	$ 12,825,603	$ 13,233,307	$ 3,048,602	$ 3,461,962	$ 1,847,548	$ 1,847,548		$ 17,721,753	$ 18,542,817
Metro North		**$ 41,869,347**	**$ 42,777,692**	**$ 10,838,451**	**$ 14,842,707**	**$ 5,175,664**	**$ 5,175,664**	**$ 599,922**	**$ 57,883,462**	**$ 63,395,985**	**$ 44,388,988**	**$ 45,021,481**	**$ 13,927,187**	**$ 15,893,259**	**$ 5,526,498**	**$ 5,526,498**	**$ -**	**$ 63,842,673**	**$ 66,441,238**
Metro South	Beaudesert								$ -	$ -								$ -	$ -
	Logan	$ 4,579,817	$ 4,529,954	$ 1,078,779	$ 926,662	$ -	$ 597,685	$ 35,987	$ 5,658,596	$ 6,090,288	$ 5,025,426	$ 4,838,734	$ 3,427,791	$ 4,078,654	$ 573,806	$ 573,806		$ 9,027,023	$ 9,491,194
	PAH	$ 19,977,587	$ 21,916,023	$ 8,099,392	$ 8,687,140	$ 2,867,879	$ 2,867,967	$ 6,838,386	$ 30,944,858	$ 40,309,516	$ 24,319,378	$ 24,614,133	$ 8,456,116	$ 9,199,259	$ 2,502,017	$ 2,502,017	$ 2,923,111	$ 35,277,511	$ 39,238,520
	QEII								$ -	$ -								$ -	$ -
	Redland	$ 3,224,408	$ 3,194,960	$ 568,801	$ 619,842	$ 287,332	$ 287,332		$ 4,080,541	$ 4,102,134	$ 2,318,722	$ 2,478,810	$ 1,325,724	$ 1,723,336	$ 279,818	$ 279,818		$ 3,924,264	$ 4,481,964
	Wynnum	$ 158,232	$ 224,982	$ 30,727	$ 37,134	$ 29,305	$ 29,305		$ 218,264	$ 291,421	$ 171,776	$ 251,389	$ 36,751	$ 21,193	$ 36,515	$ 36,515		$ 245,042	$ 309,097
Metro South		**$ 27,940,044**	**$ 29,865,919**	**$ 9,777,699**	**$ 10,270,778**	**$ 3,184,516**	**$ 3,782,289**	**$ 6,874,373**	**$ 40,902,259**	**$ 50,793,359**	**$ 31,835,302**	**$ 32,183,066**	**$ 13,246,382**	**$ 15,022,442**	**$ 3,392,156**	**$ 3,392,156**	**$ 2,923,111**	**$ 48,473,840**	**$ 53,520,775**
Mt Isa	Cloncurry								$ -	$ -								$ -	$ -
	Doomadgee								$ -	$ -								$ -	$ -
	Julia Creek								$ -	$ -								$ -	$ -
	Mornington Is								$ -	$ -								$ -	$ -
	Mt Isa								$ -	$ -								$ -	$ -
	Normanton								$ -	$ -								$ -	$ -
Mt Isa		**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
South West	Augathella								$ -	$ -								$ -	$ -
	Charleville								$ -	$ -								$ -	$ -
	Cunnamulla								$ -	$ -								$ -	$ -
	Dirranbandi								$ -	$ -								$ -	$ -
	Injune								$ -	$ -	$ 38,905		$ 9,804		$ 2,593			$ 51,302	$ -
	Mitchell								$ -	$ -								$ -	$ -
	Mungindi								$ -	$ -								$ -	$ -
	Quilpie								$ -	$ -								$ -	$ -
	Roma	$ 337,205	$ 213,053	$ 104,316	$ 155,815	$ 65,545	$ 65,545		$ 507,066	$ 434,413	$ 257,020	$ 336,438	$ 134,800	$ 185,405	$ 59,609	$ 37,096		$ 451,429	$ 558,939
	St George	$ 148,353	$ 124,263	$ 68,962	$ 59,985	$ 24,099	$ 24,099	$ 208,347	$ 241,414	$ 416,694	$ 166,480	$ 191,243	$ 48,900	$ 50,334	$ 24,099	$ 24,099		$ 239,479	$ 265,676
	Surat								$ -	$ -								$ -	$ -
	Thargomindah								$ -	$ -								$ -	$ -
South West		**$ 485,558**	**$ 337,316**	**$ 173,278**	**$ 215,800**	**$ 89,644**	**$ 89,644**	**$ 208,347**	**$ 748,480**	**$ 851,107**	**$ 462,405**	**$ 527,681**	**$ 193,504**	**$ 235,739**	**$ 86,301**	**$ 61,195**	**$ -**	**$ 742,210**	**$ 824,615**
Sunshine Coast	Caloundra	$ 725,108	$ 761,903	$ 181,198	$ 148,349	$ 191,549	$ 191,549		$ 1,097,855	$ 1,101,801	$ 808,932	$ 874,792	$ 148,351	$ 60,150	$ 361,821	$ 361,821		$ 1,319,104	$ 1,296,763
	Gympie	$ 652,179	$ 700,343	$ 164,208	$ 116,585	$ 104,309	$ 95,737		$ 920,696	$ 912,665	$ 615,668	$ 847,067	$ 116,585	$ 130,368	$ 86,390	$ 86,390	$ 1,063,821	$ 818,643	$ 2,127,646
	Nambour	$ 9,520,276	$ 9,292,691	$ 2,272,688	$ 2,133,844	$ 852,431	$ 852,431		$ 12,645,395	$ 12,278,966	$ 11,067,738	$ 10,959,473	$ 2,139,290	$ 2,086,687	$ 1,618,557	$ 1,618,557		$ 14,825,585	$ 14,664,717
Sunshine Coast		**$ 10,897,563**	**$ 10,754,937**	**$ 2,618,094**	**$ 2,398,778**	**$ 1,148,289**	**$ 1,139,717**	**$ -**	**$ 14,663,946**	**$ 14,293,432**	**$ 12,492,338**	**$ 12,681,332**	**$ 2,404,226**	**$ 2,277,205**	**$ 2,066,768**	**$ 2,066,768**	**$ 1,063,821**	**$ 16,963,332**	**$ 18,089,126**
Torres Strait - Northern Peninsula	Bamaga								$ -	$ -								$ -	$ -
	Boigu Island								$ -	$ -								$ -	$ -
	Saibai Island								$ -	$ -								$ -	$ -
	Thursday Is	$ 244,754	$ 400,114	$ 61,454	$ 68,874	$ 132,304	$ 132,304		$ 438,512	$ 601,292								$ -	$ -
Torres Strait - Northern Pen.		**$ 244,754**	**$ 400,114**	**$ 61,454**	**$ 68,874**	**$ 132,304**	**$ 132,304**	**$ -**	**$ 438,512**	**$ 601,292**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Townsville	Ayr	$ 214,362	$ 206,237	$ 76,919	$ 89,919	$ 54,224	$ 54,224		$ 345,505	$ 350,380	$ 183,335	$ 182,301	$ 65,183	$ 87,413	$ 54,223	$ 54,223		$ 302,741	$ 323,937
	Charters Towers								$ -	$ -								$ -	$ -
	Hughenden								$ -	$ -								$ -	$ -
	Ingham	$ 161,761	$ 204,638	$ 42,275	$ 67,943	$ 47,833	$ 47,833		$ 251,869	$ 320,414								$ -	$ -
	Palm Island								$ -	$ -								$ -	$ -
	Richmond								$ -	$ -								$ -	$ -
	Townsville	$ 12,006,191	$ 12,591,593	$ 2,534,025	$ 2,405,251	$ 1,377,408	$ 1,377,408		$ 15,917,624	$ 16,374,252	$ 12,937,853	$ 14,181,551	$ 2,897,757	$ 3,136,338	$ 1,454,908	$ 1,476,825		$ 17,290,518	$ 18,794,714
Townsville		**$ 12,382,314**	**$ 13,002,468**	**$ 2,653,219**	**$ 2,563,113**	**$ 1,479,465**	**$ 1,479,465**	**$ -**	**$ 16,514,998**	**$ 17,045,046**	**$ 13,121,188**	**$ 14,363,852**	**$ 2,962,940**	**$ 3,223,751**	**$ 1,509,131**	**$ 1,531,048**	**$ -**	**$ 17,593,259**	**$ 19,118,651**
West Moreton	Boonah								$ -	$ -								$ -	$ -
	Esk								$ -	$ -								$ -	$ -
	Gatton								$ -	$ -								$ -	$ -
	Ipswich	$ 5,311,679	$ 4,986,951	$ 699,198	$ 720,321	$ 545,639	$ 545,850	$ -	$ 6,556,516	$ 6,253,122	$ 5,985,824	$ 5,882,379	$ 709,312	$ 938,996	$ 544,503	$ 568,164	$ 155,404	$ 7,239,639	$ 7,544,943
	Laidley								$ -	$ -								$ -	$ -
West Moreton		**$ 5,311,679**	**$ 4,986,951**	**$ 699,198**	**$ 720,321**	**$ 545,639**	**$ 545,850**	**$ -**	**$ 6,556,516**	**$ 6,253,122**	**$ 5,985,824**	**$ 5,882,379**	**$ 709,312**	**$ 938,996**	**$ 544,503**	**$ 568,164**	**$ 155,404**	**$ 7,239,639**	**$ 7,544,943**
Wide Bay	Biggenden								$ -	$ -								$ -	$ -
	Bundaberg	$ 2,598,530	$ 2,435,408	$ 910,060	$ 503,695	$ 579,198	$ 573,600		$ 4,087,788	$ 3,512,703	$ 3,056,114	$ 2,841,886	$ 801,621	$ 811,725	$ 513,404	$ 507,834		$ 4,371,139	$ 4,161,445
	Childers								$ -	$ -								$ -	$ -
	Eidsvold								$ -	$ -								$ -	$ -
	Gayndah								$ -	$ -								$ -	$ -
	Gin Gin								$ -	$ -								$ -	$ -
	Hervey Bay	$ 1,820,724	$ 2,000,454	$ 1,721,640	$ 1,968,210	$ 313,527	$ 310,401		$ 3,855,891	$ 4,279,065		$ 2,328,656		$ 1,771,425		$ 265,416		$ -	$ 4,365,497
	Maryborough	$ 893,444	$ 912,417	$ 420,165	$ 683,083	$ 96,568	$ 104,880		$ 1,410,177	$ 1,700,380		$ 891,289		$ 570,178		$ 110,327		$ -	$ 1,571,794
	Monto								$ -	$ -								$ -	$ -
	Mundubbera								$ -	$ -								$ -	$ -
Wide Bay		**$ 5,312,698**	**$ 5,348,279**	**$ 3,051,865**	**$ 3,154,988**	**$ 989,293**	**$ 988,881**	**$ -**	**$ 9,353,856**	**$ 9,492,148**	**$ 3,056,114**	**$ 6,061,831**	**$ 801,621**	**$ 3,153,328**	**$ 513,404**	**$ 883,577**	**$ -**	**$ 4,371,139**	**$ 10,098,736**
Total Districts		**$ 146,836,354**	**$ 151,652,597**	**$ 46,662,002**	**$ 51,230,589**	**$ 20,147,321**	**$ 20,671,018**	**$ 8,074,110**	**$ 213,645,677**	**$ 231,628,314**	**$ 154,111,320**	**$ 161,618,922**	**$ 49,807,842**	**$ 60,084,836**	**$ 21,370,853**	**$ 22,108,542**	**$ 4,203,733**	**$ 225,290,015**	**$ 248,016,033**

Appendix 14:

* N.S. = Not Supplied (the requested information)

2011-12 RADIOLOGY DATA COLLECTION COMPLIANCE

District	Facility	Survey Submitted	Workload Information: Exam/ Patient Class	Workload Information: Out-sourced Exams	Workload Information: Out-sourced Costs	Workload Information: Waiting Times	Workload Information: Equip-ment Units	Reporting Information: Report-ing Avail-ability	Reporting Information: Turn around times	Reporting Information: Private provider supplied	Reporting Information: Yearly reporting cost supplied	Reporting Information: Satisfac tion recorded	Financial Information: Billing Practices	Financial Information: Revenue Billed	Financial Information: 2011-12 Budget Info
Cairns and Hinterland	Atherton	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Babinda	Yes	Yes	Yes	N.S.*		N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Cairns	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Croydon	Yes	Yes				N.S.*	Yes	Yes			Yes	Yes	N.S.*	
	Georgetown	Yes	Yes				N.S.*	Yes	Yes			Yes	N.S.*		
	Innisfail	Yes	Yes			Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mareeba	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Mossman	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Tully	Yes	Yes			Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Yarrabah	Yes	Yes				N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Cairns and Hinterland															
Cape York	Aurukun	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
	Coen	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
	Cooktown	Yes	Yes			N.S.*	N.S.*	Yes	Yes			Yes	Yes	Yes	N.S.*
	Kowanyama	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	
	Lockhart River	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
	Pormpuraaw	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
	Weipa	Yes	Yes			Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes
	Wujal Wujal	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
Cape York															
Central Queensland	Baralaba	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Biloela	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	Yes
	Blackwater	Yes	Yes	Yes	N.S.*		Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	
	Emerald	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Gladstone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Moura	Yes	Yes				N.S.*	Yes	Yes	N.S.*	Yes	Yes	No		
	Mt Morgan	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Rockhampton	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	Yes	Yes	Yes
	Springsure	Yes	Yes	Yes	N.S.*		Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	
	Theodore	Yes	Yes				Yes	Yes	Yes	N.S.*	N.S.*	Yes	Yes	N.S.*	
	Woorabinda	Yes	N.S.*				N.S.*	Yes	N.S.*	N.S.*	N.S.*	Yes	Yes	N.S.*	
	Yeppoon	Yes	Yes	Yes	Yes		Yes	Yes	N.S.*	Yes	Yes	Yes	No		
Central Queensland															
Central West	Alpha	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Aramac	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	No		
	Barcaldine	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Blackall	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Boulia	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Isisford	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Jundah	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Longreach	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Muttaburra	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Tambo	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	No		
	Winton	Yes	Yes				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Central West															
Children's Health Services	RCH	Yes	Yes			Yes	Yes	Yes	Yes	N.S.*	N.S.*	Yes	Yes	Yes	Yes
Children's Health Services															
Darling Downs	Cherbourg	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Chinchilla	Yes	Yes				Yes	Yes	Yes	N.S.*	N.S.*	Yes	Yes	N.S.*	
	Dalby	Yes	Yes			N.S.*	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	N.S.*
	Goondiwindi	Yes	Yes			N.S.*	Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		N.S.*
	Inglewood	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Jandowae	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Kingaroy	Yes	Yes			N.S.*	Yes	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		N.S.*
	Miles	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Millmerran	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Murgon	Yes	Yes				Yes	Yes	Yes			Yes	No		
	Nanango	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Oakey	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Stanthorpe	Yes	Yes			N.S.*	Yes	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		N.S.*
	Tara	Yes	Yes				Yes	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		
	Taroom	Yes	Yes				Yes	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		
	Texas	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Toowoomba	Yes	Yes	Yes	N.S.*	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Warwick	Yes	Yes			Yes	N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	Yes	N.S.*	Yes
Darling Downs															
Gold Coast	Southport	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Robina	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gold Coast															

District	Facility	Survey Submitted	Workload Information					Reporting Information					Financial Information		
			Exam/ Patient Class	Out-sourced Exams	Out-sourced Costs	Waiting Times	Equip-ment Units	Report-ing Avail-ability	Turn around times	Private provider supplied	Yearly reporting cost supplied	Satisfac tion recorded	Billing Practices	Revenue Billed	2011-12 Budget Info
Mackay	Bowen	Yes	Yes	Yes	N.S.*	Yes	N.S.*	Yes	Yes			Yes	Yes	Yes	Yes
	Clermont	Yes	Yes				Yes	Yes	Yes			Yes	Yes	N.S.*	
	Collinsville	Yes	Yes				N.S.*	Yes	Yes			Yes	Yes	Yes	
	Dysart	Yes	Yes				Yes	Yes	Yes			Yes	No		
	Mackay	Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes
	Moranbah	Yes	Yes			Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	N.S.*
	Proserpine	Yes	Yes			Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	No		Yes
	Sarina	Yes	Yes	Yes	N.S.*		N.S.*	Yes	Yes			Yes	N.S.*		
Mackay															
Metro North	Caboolture	Yes	N.S.*			Yes	Yes	Yes	Yes	N.S.*	N.S.*	N.S.*	Yes	N.S.*	N.S.*
	Kilcoy	Yes	Yes				Yes	Yes	N.S.*			N.S.*	N.S.*		
	RBWH	Yes	Yes			Yes	Yes	Yes	Yes			N.S.*	Yes	Yes	Yes
	Redcliffe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes
	TPCH	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Metro North															
Metro South	Beaudesert	Yes	Yes	Yes	N.S.*	N.S.*	N.S.*	Yes	Yes	Yes	Yes	Yes	No		N.S.*
	Logan	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	PAH	Yes	Yes			Yes	Yes	Yes	Yes			N.S.*	Yes	Yes	Yes
	QEII	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	N.S.*
	Redland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Wynnum	Yes	Yes			N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	No		Yes
Metro South															
North West	Cloncurry	Yes	N.S.*				N.S.*	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Doomadgee	Yes	Yes				N.S.*	Yes	N.S.*	Yes	N.S.*	Yes	N.S.*		
	Julia Creek	Yes	Yes				N.S.*	Yes	N.S.*	N.S.*	N.S.*	N.S.*	N.S.*		
	Mornington Is	Yes	Yes				N.S.*	Yes	N.S.*	N.S.*	N.S.*	Yes	N.S.*		
	Mt Isa	Yes	N.S.*			N.S.*	N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		N.S.*
	Normanton	Yes	Yes				Yes	Yes	N.S.*			Yes	N.S.*		
North West															
South West	Augathella	Yes	Yes				N.S.*	Yes	N.S.*	N.S.*	N.S.*	Yes	Yes	Yes	
	Charleville	Yes	Yes			N.S.*	N.S.*	Yes	Yes	Yes	N.S.*	Yes	Yes	N.S.*	N.S.*
	Cunnamulla	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Dirranbandi	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	
	Injune	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	N.S.*		
	Mitchell	Yes	Yes	Yes	Yes		Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	
	Mungindi	Yes	Yes				N.S.*	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	
	Quilpie	Yes	Yes				N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		
	Roma	Yes	Yes	Yes	Yes	N.S.*	N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	Yes	Yes	Yes
	St George	Yes	Yes			N.S.*	N.S.*	Yes	N.S.*	Yes	N.S.*	Yes	Yes	Yes	Yes
	Surat	Yes	Yes				N.S.*	Yes	N.S.*	N.S.*	N.S.*	N.S.*	Yes	Yes	
	Thargomindah	Yes	N.S.*				N.S.*	Yes	N.S.*	Yes	N.S.*	N.S.*	N.S.*		
South West															
Sunshine Coast	Caloundra	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Gympie	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Nambour	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sunshine Coast															
Torres Strait - Northern Peninsula	Bamaga	Yes	Yes			Yes	Yes	Yes	Yes			Yes	Yes	Yes	
	Boigu Island	Yes	N.S.*				N.S.*	Yes	Yes			Yes	No		
	Saibai Island	Yes	N.S.*				N.S.*	Yes	Yes			Yes	No		
	Thursday Is	Yes	Yes			Yes	Yes	Yes	N.S.*			Yes	Yes	N.S.*	N.S.*
Torres Strait - Northern Pen.															
Townsville	Ayr	Yes	Yes			Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes
	Charters Towers	Yes	Yes			N.S.*	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	N.S.*
	Hughenden	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	
	Ingham	Yes	Yes			N.S.*	N.S.*	Yes	Yes	N.S.*	N.S.*	Yes	N.S.*		N.S.*
	Palm Island	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	
	Richmond	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	
	Townsville	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Townsville															
	Boonah	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Esk	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Gatton	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
	Ipswich	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N.S.*	Yes	Yes	Yes	Yes
	Laidley	Yes	Yes				Yes	Yes	Yes			Yes	N.S.*		
West Moreton															
Wide Bay	Biggenden	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Bundaberg	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Childers	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	No		
	Eidsvold	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	No		
	Gayndah	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	No		
	Gin Gin	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	N.S.*		
	Hervey Bay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Maryborough	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Monto	Yes	Yes				Yes	Yes	Yes	Yes	N.S.*	Yes	No		
	Mundubbera	Yes	Yes				Yes	Yes	Yes	N.S.*	N.S.*	Yes	No		
Wide Bay															

Appendix 15:

2011-12 MEDICAL IMAGING FACILITIES ELECTRONIC ACCESS CAPABILITIES					
District	**Facility**	**Can transfer images online**	**Transfers images to external provider for reporting**	**Images online within originating facility**	**Report online within originating facility**
Cairns and Hinterland	Atherton	Yes	Yes	Yes	Yes
	Babinda	Yes	Yes	Yes	Yes
	Cairns	Yes	Yes	Yes	Yes
	Croydon	Yes	Yes	Yes	Yes
	Georgetown	Yes	Yes	Yes	Yes
	Innisfail	Yes	Yes	Yes	Yes
	Mareeba	Yes	Yes	Yes	Yes
	Mossman	Yes	Yes	Yes	Yes
	Tully	Yes	Yes	Yes	Yes
	Yarrabah	Yes	Yes	Yes	Yes
Cairns and Hinterland					
Cape York	Aurukun	Yes	No	Yes	Yes
	Coen	Yes	No	Yes	Yes
	Cooktown	Yes	No	Yes	Yes
	Kowanyama	Yes	No	Yes	Yes
	Lockhart River	Yes	No	Yes	Yes
	Pormpuraaw	Yes	No	Yes	Yes
	Weipa	Yes	No	Yes	Yes
	Wujal Wujal	Yes	No	Yes	Yes
Cape York					
Central Queensland	Baralaba	Yes	Yes	Yes	Yes
	Biloela	Yes	Yes	Yes	Yes
	Blackwater	Yes	Yes	Yes	Yes
	Emerald	Yes	Yes	Yes	Yes
	Gladstone	Yes	Yes	Yes	Yes
	Moura	Yes	Yes	Yes	Yes
	Mt Morgan	Yes	Yes	Yes	Yes
	Rockhampton	Yes	Yes	Yes	Yes
	Springsure	Yes	Yes	Yes	Yes
	Theodore	Yes	Yes	Yes	Yes
	Woorabinda	Yes	Yes	Yes	Yes
	Yeppoon	Yes	Yes	Yes	Yes
Central Queensland					
Central West	Alpha	Yes	Yes	Yes	Yes
	Aramac	Yes	Yes	Yes	Yes
	Barcaldine	Yes	Yes	Yes	Yes
	Blackall	Yes	Yes	Yes	Yes
	Boulia	Yes	Yes	Yes	Yes
	Isisford	Yes	Yes	Yes	Yes
	Jundah	Yes	Yes	Yes	Yes
	Longreach	Yes	Yes	Yes	Yes
	Muttaburra	Yes	Yes	Yes	Yes
	Tambo	Yes	Yes	Yes	Yes
	Winton	Yes	Yes	Yes	Yes
Central West					
Children's Health Services	RCH	Yes	No	Yes	Yes
Children's Health Services					
Darling Downs	Cherbourg	Yes	No	Yes	Yes
	Chinchilla	Yes	No	Yes	Yes
	Dalby	Yes	Yes	Yes	Yes
	Goondiwindi	Yes	Yes	Yes	Yes
	Inglewood	Yes	No	Yes	Yes
	Jandowae	Yes	No	Yes	Yes
	Kingaroy	Yes	No	Yes	Yes
	Miles	Yes	Yes	Yes	Yes
	Millmerran	Yes	No	Yes	Yes
	Murgon	Yes	No	Yes	Yes
	Nanango	Yes	No	Yes	Yes
	Oakey	Yes	No	Yes	Yes
	Stanthorpe	Yes	Yes	Yes	Yes
	Tara	Yes	No	Yes	Yes
	Taroom	Yes	Yes	Yes	Yes
	Texas	Yes	No	Yes	Yes
	Toowoomba	Yes	Yes	Yes	Yes
	Warwick	Yes	Yes	Yes	Yes
Darling Downs					
Gold Coast	Southport	Yes	No	Yes	Yes
	Robina	Yes	No	Yes	Yes
Gold Coast					

District	Facility	Can transfer images online	Transfers images to external provider for reporting	Images online within originating facility	Report online within originating facility
Mackay	Bowen	Yes	Yes	Yes	Yes
	Clermont	Yes	Yes	Yes	Yes
	Collinsville	Yes	Yes	Yes	Yes
	Dysart	Yes	Yes	Yes	Yes
	Mackay	Yes	Yes	Yes	Yes
	Moranbah	Yes	Yes	Yes	Yes
	Proserpine	Yes	Yes	Yes	Yes
	Sarina	Yes	Yes	Yes	Yes
Mackay					
Metro North	Caboolture	Yes	Yes	No	Yes
	Kilcoy	Yes	No	Yes	Yes
	RBWH	Yes	No	Yes	Yes
	Redcliffe	Yes	Yes	Yes	Yes
	TPCH	Yes	No	Yes	Yes
Metro North					
Metro South	Beaudesert	Yes	Yes	Yes	Yes
	Logan	Yes	Yes	Yes	Yes
	PAH	Yes	No	Yes	Yes
	QEII	Yes	Yes	No	Yes
	Redland	Yes	Yes	Yes	Yes
	Wynnum	Yes	No	No	Yes
Metro South					
North West	Cloncurry	Yes	Yes	Yes	Yes
	Doomadgee	Yes	Yes	Yes	Yes
	Julia Creek	Yes	Yes	Yes	Yes
	Mornington Is	Yes	Yes	Yes	Yes
	Mt Isa	Yes	Yes	Yes	Yes
	Normanton	Yes	Yes	Yes	Yes
North West					
South West	Augathella	Yes	Yes	Yes	Yes
	Charleville	Yes	Yes	Yes	Yes
	Cunnamulla	Yes	Yes	Yes	Yes
	Dirranbandi	Yes	Yes	Yes	Yes
	Injune	Yes	Yes	Yes	Yes
	Mitchell	Yes	Yes	Yes	Yes
	Mungindi	Yes	Yes	Yes	Yes
	Quilpie	Yes	Yes	Yes	Yes
	Roma	Yes	Yes	Yes	Yes
	St George	Yes	Yes	Yes	Yes
	Surat	Yes	Yes	Yes	Yes
	Thargomindah	Yes	Yes	Yes	Yes
South West					
Sunshine Coast	Caloundra	Yes	No	Yes	Yes
	Gympie	Yes	No	Yes	Yes
	Nambour	Yes	No	Yes	Yes
Sunshine Coast					
Torres Strait - Northern Peninsula	Bamaga	Yes	No	Yes	Yes
	Boigu Island	Yes	No	Yes	Yes
	Saibai Island	Yes	No	Yes	Yes
	Thursday Is	Yes	No	Yes	Yes
Torres Strait - Northern Pen.					
Townsville	Ayr	Yes	Yes	Yes	Yes
	Charters Towers	Yes	Yes	Yes	Yes
	Hughenden	Yes	Yes	Yes	Yes
	Ingham	Yes	Yes	Yes	Yes
	Palm Island	Yes	Yes	Yes	Yes
	Richmond	Yes	Yes	Yes	Yes
	Townsville	Yes	Yes	Yes	Yes
Townsville					
	Boonah	Yes	No	No	Yes
	Esk	Yes	No	No	Yes
	Gatton	Yes	No	Yes	Yes
	Ipswich	Yes	Yes	Yes	Yes
	Laidley	Yes	No	No	Yes
West Moreton					
Wide Bay	Biggenden	Yes	Yes	Yes	Yes
	Bundaberg	Yes	Yes	Yes	Yes
	Childers	Yes	Yes	Yes	Yes
	Eidsvold	Yes	Yes	Yes	Yes
	Gayndah	Yes	Yes	Yes	Yes
	Gin Gin	Yes	Yes	Yes	Yes
	Hervey Bay	Yes	Yes	Yes	Yes
	Maryborough	Yes	Yes	Yes	Yes
	Monto	Yes	Yes	Yes	Yes
	Mundubbera	Yes	Yes	Yes	Yes
Wide Bay					

Appendix 16:

District	Facility	2008-09 DORI Identified Revenue	2009-10 DORI Identified Revenue	2010-11 DORI Identified Revenue	2011-12 DORI Identified Revenue
MEDICAL IMAGING PATIENT BILLING REVENUE - DORI IDENTIFIED					
Cairns and Hinterland	Atherton			$ 3,118	$ 216,892
	Babinda			$ 13,793	$ 16,446
	Cairns			$ 1,758,831	$ 2,961,708
	Croydon				$ 278
	Georgetown				$ 240
	Innisfail			$ 347,168	$ 389,446
	Mareeba			$ 258,179	$ 284,861
	Mossman			$ 140,203	$ 213,070
	Tully			$ 11,195	$ 29,847
	Yarrabah			$ 421	$ 6,218
Cairns and Hinterland		**$ 57,383**	**$ 357,924**	**$ 2,532,908**	**$ 4,119,006**
Cape York	Aurukun				
	Coen				
	Cooktown				$ 85,556
	Kowanyama				
	Lockhart River				
	Pormpuraaw				
	Weipa				$ 5,164
	Wujal Wujal				
Cape York		**$ 33,911**	**$ 12,170**	**$ 171**	**$ 90,720**
Central Queensland	Baralaba				$ 3,236
	Biloela			$ 21,392	$ 46,573
	Blackwater				
	Emerald				$ 2,458
	Gladstone				$ 12,151
	Moura				$ 2,563
	Mt Morgan				
	Rockhampton	$ 2,610	$ 568,361	$ 820,451	$ 1,591,745
	Springsure				$ 165
	Theodore				$ 17,997
	Woorabinda				
	Yeppoon				
Central Queensland		**$ 2,610**	**$ 568,361**	**$ 841,843**	**$ 1,676,888**
Central West	Alpha			$ -	$ 2,447
	Aramac				
	Barcaldine			$ -	$ 9,854
	Blackall	$ 4,414	$ 3,663	$ 3,424	$ 2,971
	Boulia				
	Isisford				
	Jundah				
	Longreach	$ 43,907	$ 41,956	$ 67,379	$ 153,762
	Muttaburra				
	Tambo	$ 500	$ 903	$ 276	$ 266
	Winton			$ -	$ 9,177
Central West		**$ 48,821**	**$ 46,522**	**$ 71,079**	**$ 178,477**
Children's Health Services	RCH	$ 1,197,508	$ 1,353,498	$ 1,351,851	$ 1,554,014
Children's Health Services		**$ 1,197,508**	**$ 1,353,498**	**$ 1,351,851**	**$ 1,554,014**
Darling Downs	Cherbourg				
	Chinchilla				
	Dalby				
	Goondiwindi				
	Inglewood				$ 1,162
	Jandowae				
	Kingaroy				$ 41,007
	Miles				
	Millmerran				
	Murgon				
	Nanango				
	Oakey				
	Stanthorpe				
	Tara				
	Taroom				$ 1,466
	Texas				
	Toowoomba	$ 146,363	$ 135,669	$ 308,528	$ 1,928,475
	Warwick				$ 981
Darling Downs		**$ 146,363**	**$ 135,669**	**$ 308,528**	**$ 1,973,091**
Gold Coast	Gold Coast	$ 1,531,472	$ 1,728,729	$ 2,574,054	$ 4,324,258
	Robina				
Gold Coast		**$ 1,531,472**	**$ 1,728,729**	**$ 2,574,054**	**$ 4,324,258**

District	Facility	2008-09	2009-10	2010-11	2011-12
		DORI Identified Revenue	DORI Identified Revenue	DORI Identified Revenue	DORI Identified Revenue
Mackay	Bowen		$ 755	$ 16,581	$ 78,117
	Clermont		$ 1,962	$ 3,605	$ 8,071
	Collinsville			$ 4,553	$ 25,993
	Dysart		$ 30	$ 4,098	$ 10,953
	Mackay		$ 71,854	$ 285,116	$ 1,246,065
	Moranbah		$ 26,563	$ 42,192	$ 91,022
	Proserpine		$ 136,738	$ 269,580	$ 533,412
	Sarina		$ 2,613	$ 14,435	$ 15,300
Mackay			**$ 240,515**	**$ 640,160**	**$ 2,008,933**
Metro North	Caboolture				$ 1,143,742
	Kilcoy				
	RBWH	$ 3,508,879	$ 3,655,311	$ 4,265,634	$ 7,418,068
	RBWH Nuclear Med	$ 1,824,436	$ 2,501,862	$ 2,636,910	$ 3,549,823
	Redcliffe	$ 60,455	$ 133,311	$ 551,989	$ 992,000
	TPCH	$ 1,246,456	$ 1,282,297	$ 1,370,178	$ 2,473,831
Metro North		**$ 6,640,456**	**$ 7,572,780**	**$ 8,824,711**	**$ 15,577,464**
Metro South	Beaudesert				
	Logan	$ 929,698	$ 1,107,482	$ 1,287,512	$ 1,738,598
	PAH	$ 2,540,773	$ 2,617,563	$ 2,937,167	$ 8,367,795
	QEII				
	Redland				$ 224,318
	Wynnum				
Metro South		**$ 3,470,471**	**$ 3,725,045**	**$ 4,224,679**	**$ 10,330,711**
North West	Cloncurry			$ 45,161	$ 18,589
	Doomadgee				
	Julia Creek				$ 2,597
	Mornington Is				
	Mt Isa				
	Normanton				$ 15,904
North West			**$ -**	**$ 45,161**	**$ 37,091**
South West	Augathella			$ 649	$ 2,254
	Charleville			$ 25,077	$ 59,028
	Cunnamulla			$ 9,163	$ 12,940
	Dirranbandi			$ 1,180	$ 3,564
	Injune			$ 1,946	$ 3,564
	Mitchell			$ 4,166	$ 11,513
	Mungindi			$ 2,459	$ 6,523
	Quilpie			$ -	$ 2,553
	Roma			$ 13,189	$ 13,301
	St George			$ 17,819	$ 14,460
	Surat			$ 2,100	$ 3,769
	Thargomindah			$ -	$ -
South West			**$ -**	**$ 77,748**	**$ 133,469**
Sunshine Coast	Caloundra			$ 25,184	$ 48,998
	Gympie				$ 7,080
	Nambour	$ 1,482,530	$ 1,917,112	$ 2,289,872	$ 3,215,834
Sunshine Coast		**$ 1,482,530**	**$ 1,917,112**	**$ 2,315,056**	**$ 3,271,912**
Torres Strait - Northern Peninsula	Bamaga				$ 6,574
	Boigu Island				
	Saibai Island				
	Thursday Is				$ 300,871
Torres Strait - Northern Peninsula				**$ -**	**$ 307,445**
Townsville	Ayr				$ 6,145
	Charters Towers				$ 4,511
	Hughenden				$ 608
	Ingham				$ 35,441
	Palm Island				$ 4,805
	Richmond				
	Townsville	$ 1,361,346	$ 1,824,799	$ 1,883,994	$ 3,730,690
Townsville		**$ 1,361,346**	**$ 1,824,799**	**$ 1,883,994**	**$ 3,782,200**
West Moreton	Boonah				
	Esk				
	Gatton				
	Ipswich		$ 151,016	$ 436,681	$ 1,636,247
	Laidley				
West Moreton			**$ 151,016**	**$ 436,681**	**$ 1,636,247**
Wide Bay	Biggenden				
	Bundaberg	$ 16,838	$ 84,726	$ 351,473	$ 711,314
	Childers				
	Eidsvold			$ 298	$ 900
	Gayndah			$ 678	$ 2,178
	Gin Gin			$ 280	$ 1,460
	Hervey Bay			$ 65,774	$ 757,560
	Maryborough			$ 2,169	$ 114,378
	Monto			$ 1,047	$ 3,566
	Mundubbera			$ 177	$ 3,134
Wide Bay		**$ 16,838**	**$ 84,726**	**$ 421,896**	**$ 1,594,490**
Total Districts		**$ 16,036,860**	**$ 19,718,866**	**$ 26,550,521**	**$ 52,596,415**