



National Hospital Cost Data Collection

Independent Financial Review

Round 21 (Financial year 2016-17)

Independent Hospital Pricing Authority

Supplementary Information – February 2019



This report has been prepared as outlined in the Overview and Scope Section. The services provided in connection with this engagement comprise an advisory engagement which is not subject to Australian Auditing Standards or Australian Standards on Review or Assurance Engagements, and consequently no opinions or conclusions intended to convey assurance have been expressed.

No warranty of completeness, accuracy or reliability is given in relation to the statements and representations made by, and the information and documentation provided by, Independent Hospital Pricing Authority's management and stakeholders consulted as part of the process.

KPMG have indicated within this report the sources of the information provided. We have not sought to independently verify those sources unless otherwise noted within the report.

The findings in this report have been formed on the above basis.

This report has been prepared at the request of Independent Hospital Pricing Authority in accordance with the terms of KPMG's contract dated 13 January 2017 and varied on 28 March 2018. Other than our responsibility to Independent Hospital Pricing Authority, neither KPMG nor any member or employee of KPMG undertakes responsibility arising in any way from reliance placed by a third party on this report. Any reliance placed is that party's sole responsibility.

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1. Introduction

This Round 21 IFR Final Report provides an overall summary and findings by jurisdiction and for each participating site. It also outlines recommendations for IHPA and the jurisdictions to consider in future rounds of the IFR, with the aim of improving the consistency and transparency of NHCDC submissions.

This Round 21 IFR Supplementary Report provides the detailed data tables for participating hospitals/health services and other supporting information.

2. Jurisdictional information and data tables

2.1 Australian Capital Territory

Activity tables

Table 1 – Activity data – Calvary Public Hospital

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	27,926	27,926	-	27,926	-	-	-	-	27,926	-
Emergency	58,759	58,750	(9)	-	58,750	-	-	-	58,750	-
Non Admitted	85,708	85,708	-	-	-	85,708	-	-	85,708	-
Work In Progress	153	153	-	-	-	-	-	153	153	-
Teaching & Research	3	3	-	-	-	-	-	3	3	-
TOTAL	172,549	172,540	(9)	27,926	58,750	85,708	-	156	172,540	-

Source: KPMG based on data supplied by Calvary Public Hospital, ACT Health and IHPA

Table 2 – Activity data submission – Calvary Public Hospital

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	26,110	-	26,110	-	26,110	26,110	-	26,110
Non-admitted	85,708	-	85,708	-	85,708	85,708	-	85,708
Emergency	58,750	-	58,750	-	58,750	58,750	-	58,750
Sub Acute	1,296	-	1,296	-	1,296	1,571	-	1,571
Mental Health	518	-	518	-	518	518	-	518

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Other	2	-	2	-	2	2	-	2
Research	-	-	-	-	-	-	-	-
Teaching and Training	-	-	-	-	-	-	-	-
Virtual patients	-	-	-	-	-	-	-	-
Total	172,384	-	172,384	-	172,384	172,659	-	172,659

Source: KPMG based on data supplied by Calvary Public Hospital, ACT Health and IHPA

Feeder data

Table 3 – Feeder data – Calvary Public Hospital

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Pathology	283,966	283,966	-	135,577	108,661	30,758	5,924	3,046	283,966	-	100.00%	2.09%
Imaging	49,622	49,622	-	20,071	20,496	8,505	231	319	49,622	-	100.00%	0.47%
Pharmacy	82,541	82,541	-	75,086	3,962	781	838	1,874	82,541	-	100.00%	1.02%
S100	1,268	1,268	-	-	-	246	1,022	-	1,268	-	100.00%	80.60%
Metcall	406	406	-	357	12	-	27	10	406	-	100.00%	6.65%
Bloods	2,060	2,060	-	1,193	184	441	210	32	2,060	-	100.00%	10.19%
Prosthetics	1,912	1,912	-	1,911	-	-	-	1	1,912	-	100.00%	0.00%
Admitted Contacts - allied health	50,099	50,099	-	48,306	-	-	-	1,793	50,099	-	100.00%	0.00%
Emergency Contacts - allied health	1,092	1,092	-	-	1,092	-	-	-	1,092	-	100.00%	0.00%
Admitted Contacts - clare holland house	4,861	4,861	-	4,603	-	-	-	258	4,861	-	100.00%	0.00%
Theatre	9,690	9,690	-	9,629	-	-	7	54	9,690	-	100.00%	0.07%

Source: KPMG based on data supplied by Calvary Public Hospital, ACT Health and IHPA

2.2 New South Wales

Activity tables

Table 4 – Activity data – WSLHD

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	188,531	188,525	(6)	157,543	-	-	-	-	157,543	30,982
Emergency	181,372	181,167	(205)	-	181,167	-	-	-	181,167	-
WEBNAP	1,155,341	1,153,175	(2,166)	-	-	1,153,173	-	-	1,153,173	2
Patient Level Non Admitted MH Service Events (N Encounters)	107,056	107,056	-	-	-	106,985	-	-	106,985	71
Oral Health	150,433	150,433	-	-	-	150,433	-	-	150,433	-
Aggregate Non Admitted MH Service Events (Z Encounters)	1,582	1,582	-	-	-	1,582	-	-	1,582	-
Dummy Encounters	-	-	-	-	-	-	102,907	-	102,907	(102,907)
TOTAL	1,784,315	1,781,938	(2,377)	157,543	181,167	1,412,173	102,907	-	1,853,790	(71,852)

Source: KPMG based on data supplied by WSLHD, NSW Health and IHPA

Table 5 – Activity data submission – WSLHD

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	150,560	-	150,560	(2,676)	147,884	62,545	666	63,211
Non-admitted	1,410,136	-	1,410,136	(711,302)	698,834	208,170	-	208,170
Emergency	181,155	-	181,155	(192)	180,963	69,660	-	69,660
Sub Acute	5,940	-	5,940	(310)	5,630	637	-	637
Mental Health	1,044	-	1,044	(644)	400	666	(666)	-
Other		-	-	(65)	(65)	356	-	356

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Research	7	-	7	(7)	-	-	-	-
Teaching and Training	18	-	18	(485)	(467)	-	-	-
System-generated patients	105,086	-	105,086	(104,163)	923	-	-	-
TOTAL	1,853,946	-	1,853,946	(819,844)	1,034,102	342,034	-	342,034

Source: KPMG based on data supplied by WSLHD, NSW Health and IHPA

Feeder data

Table 6 – Feeder data – WSLHD

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
ED_Service	1,113,338	1,113,338	-	1,112,755	-	-	-	-	1,112,755	583	99.95%	0.00%
Mental Health Nursing	146,215	146,215	-	146,213	2	-	-	-	146,215	-	100.00%	0.00%
NAP_Service	1,318,204	1,318,196	8	-	-	1,311,823	-	-	1,311,823	6,373	99.52%	0.00%
NAP_Service_Aggregated	398	398	-	-	-	-	-	-	-	398	0.00%	0.00%
NEPT	26,919	26,919	-	20,462	3,861	998	1,594	-	26,915	4	99.99%	5.92%
OTD	119	119	-	119	-	-	-	-	119	-	100.00%	0.00%
Revenue_Accommodation	26,241	26,241	-	25,140	1,099	-	-	-	26,239	2	99.99%	0.00%
Revenue_DVA	1,352	1,352	-	1,220	132	-	-	-	1,352	-	100.00%	0.00%
Revenue_MAA	2,053	2,053	-	1,096	956	-	-	-	2,052	1	99.95%	0.00%
Revenue_NWAU	1,459,491	1,459,491	-	151,040	180,671	1,126,124	1,656	-	1,459,491	-	100.00%	0.11%
Revenue_Prosthesis	5,162	5,162	-	5,156	-	-	-	-	5,156	6	99.88%	0.00%
Revenue_SWPLA	3,692,568	3,692,568	-	313,514	362,220	2,808,673	204,299	-	3,688,706	3,862	99.90%	5.53%
Service NAP OralHealth	341,747	341,747	-	-	-	341,747	-	-	341,747	-	100.00%	0.00%

*Independent Hospital Pricing Authority
Round 21 – NHCDC Independent Financial Review
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Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Service NAPMH	231,087	231,087	-	-	-	231,087	-	-	231,087	-	100.00%	0.00%
Service_AlliedHealth_Emergency	8,744	8,744	-	585	7,527	245	387	-	8,744	-	100.00%	4.43%
Service_AlliedHealth_InpatientAndNAP	413,423	413,420	3	338,428	281	48,798	25,913	-	413,420	-	100.00%	6.27%
Service_Anaesthetics	50,273	50,273	-	40,045	20	8,657	1,551	-	50,273	-	100.00%	3.09%
Service_Blood Products	39,076	39,076	-	28,638	3,312	6,377	749	-	39,076	-	100.00%	1.92%
Service_CardiacCath(hTrak)	12,325	12,325	-	11,843	12	-	470	-	12,325	-	100.00%	3.81%
Service_CentralLineTeam(hTrak)	841	841	-	766	1	-	74	-	841	-	100.00%	8.80%
Service_ConsultLiaison_CLPsychiatry	3,692	3,692	-	1,540	1,973	-	179	-	3,692	-	100.00%	4.85%
Service_ConsultLiaison_Modelled	6,813	6,812	1	6,550	80	-	1	-	6,631	181	97.34%	0.01%
Service_Endoscopy(hTrak)	6,317	6,317	-	2,431	3	3,561	322	-	6,317	-	100.00%	5.10%
Service_Imaging_EmergencyDept	107,082	107,082	-	1,597	105,085	51	349	-	107,082	-	100.00%	0.33%
Service_Imaging_InpatientAndNAP	199,833	199,833	-	149,888	2,155	16,896	30,894	-	199,833	-	100.00%	15.46%
Service_Pathology_EmergencyDept	505,247	505,247	-	22,634	481,052	278	1,283	-	505,247	-	100.00%	0.25%
Service_Pathology_InpatientAndNAP	1,306,192	1,306,192	-	1,192,703	577	39,133	73,779	-	1,306,192	-	100.00%	5.65%
Service_Pharmacy	609,035	609,035	-	470,252	6,633	76,816	55,241	-	608,942	93	99.98%	9.07%
Service_PIVC	10,906	10,903	3	10,902	-	1	-	-	10,903	-	100.00%	0.00%
Service_Recovery	48,270	48,270	-	38,119	17	8,588	1,546	-	48,270	-	100.00%	3.20%
Service_TheatreConsumables(hTrak)	42,968	42,967	1	36,457	34	3,815	2,661	-	42,967	-	100.00%	6.19%
Service_TheatreNursing	50,275	50,275	-	40,049	19	8,658	1,549	-	50,275	-	100.00%	3.08%
Service_TheatreProsthesis(hTrak)	18,173	18,172	1	15,061	20	2,496	595	-	18,172	-	100.00%	3.27%
Z_Patient_Service	1,926	1,926	-	-	-	-	-	-	-	1,926	0.00%	0.00%

Source: KPMG based on data supplied by WSLHD, NSW Health and IHPA

2.3 Northern Territory

Activity tables

Table 7 – Activity data – Alice Springs Hospital

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Encounter Admitted	58,358	58,358	-	58,358					58,358	-
Encounter Emergency	47,621	47,621	-		47,621	-		-	47,621	-
Encounter Non-Admitted	56,369	56,369	-		-	56,369			56,369	-
Encounter Teaching	1	1	-					1	1	-
TOTAL	162,349	162,349	-	58,358	47,621	56,369	-	1	62,349	-

Source: KPMG based on data supplied by Alice Springs Hospital, NT Health and IHPA

Table 8 – Activity data submission – Alice Springs Hospital

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	57,826	(149)	57,975		57,975	57,677	-	57,677
Non-admitted	56,369	-	56,369		56,369	56,369	-	56,369
Emergency	47,621	(7)	47,628		47,628	47,614	-	47,614
Sub Acute	291	(23)	314		314	268	-	268
Mental Health	241	(6)	247		247	235	-	235
Other			-		-	-	-	-
Research	-	-	-		-		-	-
Teaching and Training	-	-	-		-	1	-	1
Virtual patients	1	-	1		1		-	-
TOTAL	162,349	(185)	162,164	-	162,164	162,164	-	162,164

Source: KPMG based on data supplied by Alice Springs Hospital, NT Health and IHPA

Feeder data

Table 9 – Feeder data – Alice Springs Hospital

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Blood	672	672	-	624	3	19	-	-	646	26	96.13%	0.00%
Catheter Laboratory	1,289	1,289	-	1,257	14	10	-	-	1,281	8	99.38%	0.00%
Emergency	47,614	47,614	-	-	47,614	-	-	-	47,614	-	100.00%	0.00%
Holter Monitor	48	48	-	47	-	1	-	-	48	-	100.00%	0.00%
Imaging	44,582	44,582	-	12,347	13,698	11,756	6,781	-	44,582	-	100.00%	15.21%
Pathology	348,078	348,078	-	227,428	65,814	42,172	12,656	-	348,070	8	100.00%	3.64%
Pharmacy	496,615	496,615	-	491,493	1,107	2,546	1,465	-	496,611	4	100.00%	0.29%
Pharmacy_HSD	4,025	4,025	-	2,004	32	1,669	320	-	4,025	-	100.00%	7.95%
Posthumous care	7	7	-	7	-	-	-	-	7	-	100.00%	0.00%
Theatre Anaesthesia	6,467	6,467	-	6,467	-	-	-	-	6,467	-	100.00%	0.00%
Theatre Nursing	6,563	6,563	-	6,563	-	-	-	-	6,563	-	100.00%	0.00%
Theatre Recovery	6,583	6,583	-	6,583	-	-	-	-	6,583	-	100.00%	0.00%
Theatre Surgeon	6,637	6,637	-	6,637	-	-	-	-	6,637	-	100.00%	0.00%

Source: KPMG based on data supplied by Alice Springs Hospital, NT Health and IHPA

2.4 Queensland

Activity tables

Table 10 – Activity data – Children’s Health Queensland HHS

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	45,766	45,766	-	668,976					668,976	
Emergency	66,354	66,354	-		333,365				333,365	
Outpatients	227,980	227,980	-			720,355			720,355	
Unlinked Ancillary Encounters	10,930	10,930	-							
Virtual Patients	2,623	2,623	-				2,623			
TOTAL	353,653	353,653	-	668,976	333,365	720,355	2,623	-	1,722,696	

Source: KPMG based on data supplied by Children’s Health Queensland HHS and Queensland Health

Table 11 – Activity data – Wide Bay HHS

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	78,927	78,927	-	1,445,163					1,445,163	
Emergency	115,830	115,830	-		1,021,534				1,021,534	
Outpatients	370,684	370,684	-			1,474,073			1,474,073	
Unlinked Ancillary Encounters	30,413	30,413	-						-	
Virtual Patients	384	384	-				384		384	
TOTAL	596,238	596,238	-	1,445,163	1,021,534	1,474,073	384	-	3,941,154	

Source: KPMG based on data supplied by Wide Bay HHS and Queensland Health

Table 12 – Activity data – Townsville HHS

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	88,717	88,717	-	2,426,657					2,426,657	
Emergency	116,710	116,710	-		933,131				933,131	
Outpatients	466,423	466,423	-			1,942,421			1,942,421	
Unlinked Ancillary Encounters	32,526	32,526	-						-	
Virtual Patients	131,147	131,147	-				339,762		339,762	
TOTAL	835,523	835,523	-	2,426,657	933,131	1,942,421	339,762	-	5,641,971	

Source: KPMG based on data supplied by Townsville HHS and Queensland Health

Table 13 – Activity data submission – Children’s Health Queensland HHS

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	42,144	-	42,144	(216)	41,928	41,928	-	41,928
Non-admitted	238,910	-	238,910	(15,359)	220,320	220,320	-	220,320
Emergency	66,354	-	66,354	(326)	66,028	66,028	-	66,028
Sub Acute	778	-	778	(5)	773	773	-	773
Mental Health	520	-	520	(4)	516	516	-	516
Other	2,324	-	2,324		2,324	2,324	-	2,324
Research	-	-	-				-	-
Teaching and Training	-	-	-				-	-
Virtual patients	2,623	-	2,623	(2,647)			-	-
TOTAL	353,653	-	353,653	(18,557)	331,889	331,889	-	331,889

Source: KPMG based on data supplied by the Children’s Health Queensland HHS, Queensland Health and IHPA

Table 14 – Activity data submission – Wide Bay HHS

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	74,430	-	74,430	(3,192)	71,238	71,240	(1,383)	69,857
Non-admitted	401,097	-	401,097	(177,375)	217,839	217,839	-	217,839
Emergency	115,830	-	115,830	(355)	115,481	115,481	-	115,481
Sub Acute	2,909	-	2,909	(97)	2,812	2,812	-	2,812
Mental Health	995	-	995	(26)	969	969	-	969
Other	593	-	593	(82)	511	511	-	511
Research	24	-	24	(24)			-	-
Teaching and Training	24	-	24	(24)			-	-
Virtual patients	336	-	336	(336)			-	-
TOTAL	596,238	-	596,238	(181,511)	408,850	408,852	(1,383)	407,469

Source: KPMG based on data supplied by Wide Bay HHS and Queensland Health

Table 15 – Activity data submission – Townsville HHS

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	83,415	-	83,415	(439)	82,976	82,976	(2,130)	80,846
Non-admitted	486,104	-	486,104	(187,007)	285,346	285,346	-	285,346
Emergency	116,710	-	116,710	(337)	115,321	115,321	-	115,321
Sub Acute	2,528	-	2,528	(202)	2,326	2,326	-	2,326
Mental Health	14,745	-	14,745	(4,389)	10,356	10,356	-	10,356
Other	874	-	874	(23)	851	851	-	851
Research	12	-	12	(12)			-	-

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Teaching and Training	12	-	12	(12)			-	-
Virtual patients	131,123	-	131,123	(131,123)			-	-
TOTAL	835,523	-	835,523	(323,544)	497,176	497,176	(2,130)	495,046

Source: KPMG based on data supplied by Townsville HHS, Queensland Health and IHPA

Feeder data

Table 16 – Feeder data – Children’s Health Queensland HHS

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Allied Health	111,323	111,323	-	25,697	139	85,487	-		111,323	-	100.00%	0.00%
Appointment Scheduling	508,274	508,274	-	2,149	-	506,125	-		508,274	-	100.00%	0.00%
Blood Products	4,053	4,053	-	3,530	205	318	-		4,053	-	100.00%	0.00%
Cardiology	233	233	-	233	-	-	-		233	-	100.00%	0.00%
Diagnostic Imaging	131,290	131,290	-	26,935	41,036	55,303	-		123,274	8,016	93.89%	0.00%
Emergency	236,171	236,171	-	-	236,171	-	-		236,171	-	100.00%	0.00%
Operating Theatre	83,267	83,267	-	83,267	-	-	-		83,267	-	100.00%	0.00%
Pathology	166,402	166,402	-	74,495	53,960	31,057	-		159,512	6,890	95.86%	0.00%
Pharmacy Dispensing	101,018	101,018	-	49,495	1,854	39,088	-		90,437	10,581	89.53%	0.00%
Prosthetics	30,283	30,283	-	30,283	-	-	-		30,283	-	100.00%	0.00%
Unit Data (Medical) ADT	142,716	142,716	-	140,748	-	1,968	-		142,716	-	100.00%	0.00%
Virtual Patient	3,656	3,656	-	-	-	1,009	2,623		3,632	24	99.34%	71.75%
Ward Data (Nursing) ADT	232,144	232,144	-	232,144	-	-	-		232,144	-	100.00%	-

Source: KPMG based on data supplied by Children’s Health Queensland HHS and Queensland Health

Table 17 – Feeder data – Wide Bay HHS

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Allied Health	39,446	39,446	-	38,924	384	-	-	-	39,308	138	99.65%	0.00%
Appointment Scheduling	1,263,139	1,263,139	-	-	-	1,260,882	-	-	1,260,882	2,257	99.82%	0.00%
Blood Products	4,904	4,904	-	3,203	567	256	-	-	4,026	878	82.10%	0.00%
Community Mental Health	104,027	104,027	-	7,648	2,202	94,177	-	-	104,027	-	100.00%	0.00%
Derived Bed day Data ADT	606,410	606,410	-	606,410	-	-	-	-	606,410	-	100.00%	0.00%
Diagnostic Imaging	114,266	114,266	-	27,060	51,841	25,541	-	-	104,442	9,824	91.40%	0.00%
ED Doctors	110,834	110,834	-	-	110,834	-	-	-	110,834	-	100.00%	0.00%
ED Encounters	540,029	540,029	-	-	540,029	-	-	-	540,029	-	100.00%	0.00%
ED Nurses	113,586	113,586	-	-	113,586	-	-	-	113,586	-	100.00%	0.00%
Endoscopy	1,068	1,068	-	1,068	-	-	-	-	1,068	-	100.00%	0.00%
ICU Unit Data (Medical) ADT	627	627	-	627	-	-	-	-	627	-	100.00%	0.00%
ICU Ward Data (Nursing) ADT	625	625	-	625	-	-	-	-	625	-	100.00%	0.00%
Operating Theatre	103,352	103,352	-	78,816	110	24,426	-	-	103,352	-	100.00%	0.00%
Outsourced Surgery	1,837	1,837	-	1,837	-	-	-	-	1,837	-	100.00%	0.00%
Pathology	411,074	411,074	-	153,307	197,902	43,746	-	-	394,955	16,119	96.08%	0.00%
Patient Transport	14,403	14,403	-	12,194	1,680	8	-	-	13,882	521	96.38%	0.00%
Pharmacy Dispensing	112,794	112,794	-	62,447	2,399	23,266	-	-	88,112	24,682	78.12%	0.00%
Trendcare Nursing Acuity	124,448	124,448	-	122,894	-	1,554	-	-	124,448	-	100.00%	0.00%
Unit Data (Medical) ADT	223,430	223,430	-	223,430	-	-	-	-	223,430	-	100.00%	0.00%
Virtual Patient	613	613	-	12	-	217	384	-	613	-	100.00%	62.64%
Ward Data (Nursing) ADT	104,661	104,661	-	104,661	-	-	-	-	104,661	-	100.00%	0.00%

Source: KPMG based on data supplied by Wide Bay HHS and Queensland Health

Table 18 – Feeder data – Townsville HHS

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Allied Health	214,684	214,684	-	113,797	525	100,362	-	-	214,684	-	100.00%	0.00%
Appt Scheduling	1,314,837	1,314,837	-	43,277	5,447	1,266,113	-	-	1,314,837	-	100.00%	0.00%
Blood Products	7,407	7,407	-	5,089	662	360	-	-	6,111	1,296	82.50%	0.00%
Community Mental Health	383,044	383,044	-	71,830	17,375	293,839	-	-	383,044	-	100.00%	0.00%
Diagnostic Imaging	329,424	329,424	-	83,720	130,882	82,987	-	-	297,589	31,835	90.34%	0.00%
Emergency	500,342	500,342	-	-	500,342	-	-	-	500,342	-	100.00%	0.00%
Local Clinical Syst	14,604	14,604	-	11,751	180	1,409	1,264	-	14,604	-	100.00%	8.66%
Operating Theatre	202,048	202,048	-	202,018	-	30	-	-	202,048	-	100.00%	0.00%
Pathology	588,201	588,201	-	238,137	184,256	162,311	-	-	584,704	3,497	99.41%	0.00%
Pharmacy Dispensing	591,539	591,539	-	386,260	93,462	35,010	-	-	514,732	76,807	87.02%	0.00%
Unit Data (Medical) ADT	351,923	351,923	-	351,923	-	-	-	-	351,923	-	100.00%	0.00%
Virtual Patient	338,498	338,498	-	-	-	-	338,498	-	338,498	-	100.00%	100.00%
Ward Data (Nursing) ADT	918,855	918,855	-	918,855	-	-	-	-	918,855	-	100.00%	0.00%

Source: KPMG based on data supplied by Townsville HHS and Queensland Health

2.5 South Australia

Activity tables

Table 19 – Activity data – Whyalla Hospital and Health Service

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
AR DRG	7,987	7,987	-	7,987	-	-	-	-	7,987	-
Outpatient - Tier 2	29,771	29,771	-	-	-	29,771	-	-	29,771	-
Outpatient - Non-Tier 2	363	363	-	-	-	363	-	-	363	-
URG - Admitted	2,147	2,147	-	-	2,147	-	-	-	2,147	-
URG - Non- Admitted	11,119	11,119	-	-	11,119	-	-	-	11,119	-
Rehabilitation	125	125	-	125	-	-	-	-	125	-
Palliative Care	72	72	-	72	-	-	-	-	72	-
Maintenance	76	76	-	76	-	-	-	-	76	-
Admitted Mental Health (MC)	120	120	-	120	-	-	-	-	120	-
Newborns	33	33	-	33	-	-	-	-	33	-
TOTAL	51,813	51,813	-	8,413	13,266	30,134	-	-	51,813	-

Source: KPMG based on data supplied by the Whyalla Hospital and Health Service and SA Health

Table 20 – Activity data – Flinders Medical Centre

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
AR DRG	69,348	69,348	-	69,348	-	-	-	-	69,348	-
Outpatient - Tier 2	237,819	237,819	-	-	-	237,819	-	-	237,819	-
URG - Admitted	39,822	39,822	-	-	39,822	-	-	-	39,822	-
URG - Non- Admitted	45,195	45,195	-	-	45,195	-	-	-	45,195	-
Palliative Care	78	78	-	78	-	-	-	-	78	-
Maintenance	333	333	-	333	-	-	-	-	333	-
Admitted Mental Health (MC)	2,814	2,814	-	2,814	-	-	-	-	2,814	-
Newborns	1,275	1,275	-	1,275	-	-	-	-	1,275	-
TOTAL	396,684	396,684	-	73,848	85,017	237,819	-	-	396,684	-

Source: KPMG based on data supplied by the Flinders Medical Centre and SA Health

Table 21 – Activity data submission – Whyalla Hospital and Health Service

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	8,020	-	8,020	(57)	7,963	7,969	-	7,969
Non-admitted	30,134	-	30,134	(363)	29,771	29,771	-	29,771
Emergency	13,266	-	13,266	(3)	13,263	13,263	-	13,263
Sub Acute	273	-	273	(12)	261	260	-	260
Mental Health	120	-	120	-	120	115	-	115
Other	-	-	-	-	-	-	-	-
Research	-	-	-	-	-	-	-	-
Teaching and Training	-	-	-	-	-	-	-	-

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
System-generated patients	-	-	-	-	-		-	
TOTAL	51,813	-	51,813	(435)	51,378	51,378	-	51,378

Source: KPMG based on data supplied by the Whyalla Hospital and Health Service, SA Health and IHPA

Table 22 – Activity data submission – Flinders Medical Centre

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	70,623	-	70,623	(544)	70,079	70,079	-	70,079
Non-admitted	237,819	-	237,819	(1,367)	236,452	236,452	-	236,452
Emergency	85,017	-	85,017	(523)	84,494	84,494	-	84,494
Sub Acute	411	-	411	(65)	346	389	-	389
Mental Health	2,814	-	2,814	-	2,814	2,771	-	2,771
Other	-	-	-	-	-		-	
Research	-	-	-	-	-		-	
Teaching and Training	-	-	-	-	-		-	
Virtual patients	-	-	-	-	-		-	
TOTAL	396,684	-	396,684	(2,499)	394,185	394,185	-	394,185

Source: KPMG based on data supplied by the Flinders Medical Centre, SA Health and IHPA

Feeder tables

Table 23 – Feeder data – Whyalla Hospital and Health Service

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
SAH Coding Diagnosis IP	31,210	31,210	-	31,210	-	-	-	-	31,210	-	100.00%	0.00%
SAH Coding Procedure IP	14,477	14,477	-	14,477	-	-	-	-	14,477	-	100.00%	0.00%
SAH Coding Diagnosis ED	13,264	13,264	-	-	13,264	-	-	-	13,264	-	100.00%	0.00%
SAH ED Medical	4,438	4,438	-	-	4,438	-	-	-	4,438	-	100.00%	0.00%
SAH ED Nursing	13,261	13,261	-	-	13,261	-	-	-	13,261	-	100.00%	0.00%
SAH Pharmacy	12,846	12,846	-	7,661	2,231	2,797	157	-	12,846	-	100.00%	1.22%
SAH Transfers	10,437	10,437	-	10,437	-	-	-	-	10,437	-	100.00%	0.00%
Allied Health	47,018	47,018	-	15,276	478	278	-	-	16,032	30,986	34.10%	0.00%
Patient Transport	217	189	28	172	11	-	6	-	189	-	100.00%	3.17%
Fee For Service	13,413	13,413	-	12,843	-	570	-	-	13,413	-	100.00%	0.00%
Imaging	3,326	3,321	5	2,613	617	8	83	-	3,321	-	100.00%	2.50%
Pathology	20,734	19,902	832	14,508	3,781	1,230	383	-	19,902	-	100.00%	1.92%
Hip Knee Replacements	149	149	-	146	-	-	3	-	149	-	100.00%	2.01%
Retainer Fee For Service	2,195	2,195	-	2,195	-	-	-	-	2,195	-	100.00%	0.00%
CHSALHN Service Home Oxygen	363	363	-	-	-	363	-	-	363	-	100.00%	0.00%
CHSALHN Outpatient Service	30,246	30,246	-	-	-	30,246	-	-	30,246	-	100.00%	0.00%

Source: KPMG based on data supplied by the Whyalla Hospital and Health Service and SA Health

Table 24 – Feeder data – Flinders Medical Centre

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
SAH ED Medical	85,013	85,013	-	-	85,013	-	-	-	85,013	-	100.00%	0.00%
SAH ED Nursing	85,013	85,013	-	-	85,013	-	-	-	85,013	-	100.00%	0.00%
SAH Mental Health Phase	22,292	22,292	-	22,292	-	-	-	-	22,292	-	100.00%	0.00%
SAH Pharmacy	221,144	221,144	-	125,531	43,739	46,443	5,431	-	221,144	-	100.00%	2.46%
SAH Service D	24	24	-	-	-	-	24	-	24	-	100.00%	100.00%
SAH Service Outpatient Manual	217	217	-	-	-	217	-	-	217	-	100.00%	0.00%
SAH Theatre Anaesthesia	19,287	19,287	-	18,143	-	47	-	-	18,190	1,097	94.31%	0.00%
SAH Theatre Nursing	18,385	18,385	-	16,358	-	1,642	-	-	18,000	385	97.91%	0.00%
SAH Theatre Recovery	15,468	15,468	-	15,358	-	10	-	-	15,368	100	99.35%	0.00%
SAH Theatre Surgeons	20,641	20,641	-	18,269	-	1,246	-	-	19,515	1,126	94.54%	0.00%
SALHN Diagnostics services	1,345	1,345	-	27	-	511	807	-	1,345	-	100.00%	60.00%
SALHN ED resuscitation dummy services	1,016	1,016	-	-	1,016	-	-	-	1,016	-	100.00%	0.00%
SALHN FMC Adelaide Radiotherapy Centre	2,544	2,544	-	2,428	-	-	-	-	2,428	116	95.44%	0.00%
SALHN FMC Allied Health	129,716	129,716	-	117,173	1,071	-	11,472	-	129,716	-	100.00%	8.84%
SALHN FMC Cardiac Implants	776	776	-	776	-	-	-	-	776	-	100.00%	0.00%
SALHN FMC Cochlear Implants	12	12	-	12	-	-	-	-	12	-	100.00%	0.00%
SALHN FMC ECMO services	10	10	-	10	-	-	-	-	10	-	100.00%	0.00%
SALHN FMC ED Social Work	905	905	-	-	739	-	166	-	905	-	100.00%	18.34%
SALHN FMC Eye Bank	52	52	-	50	-	-	-	-	50	2	96.15%	0.00%
SALHN FMC FPH contract services	8,037	8,037	-	8,026	-	-	11	-	8,037	-	100.00%	0.14%
SALHN FMC FPH elective surgery	164	164	-	163	-	-	1	-	164	-	100.00%	0.61%
SALHN FMC Mental Health consultation liaison	3,420	3,420	-	3,369	-	-	51	-	3,420	-	100.00%	1.49%

*Independent Hospital Pricing Authority
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Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
SALHN FMC Mental Health ED liaison	4,988	4,988	-	78	4,872	-	38	-	4,988	-	100.00%	0.76%
SALHN FMC MET	2,668	2,668	-	2,552	79	16	21	-	2,668	-	100.00%	0.79%
SALHN FMC Nitric Oxide	8	8	-	8	-	-	-	-	8	-	100.00%	0.00%
SALHN FMC Ophthalmological Lenses	912	912	-	912	-	-	-	-	912	-	100.00%	0.00%
SALHN FMC Patient Security	5,103	5,103	-	2,972	1,837	-	-	-	4,809	294	94.24%	0.00%
SALHN FMC Peritoneal Dialysis nursing	3,318	3,318	-	3,318	-	-	-	-	3,318	-	100.00%	0.00%
SALHN FMC RGH Imaging (FMC only to Dec 15)	149,580	149,580	-	50,824	46,985	34,837	16,934	-	149,580	-	100.00%	11.32%
SALHN FMC Service Home Peritoneal Dialysis	1,724	1,724	-	-	-	1,724	-	-	1,724	-	100.00%	0.00%
SALHN FMC Service Home TPN	1,206	1,206	-	-	-	1,206	-	-	1,206	-	100.00%	0.00%
SALHN FMC Service Huntington's	2,644	2,644	-	-	-	2,644	-	-	2,644	-	100.00%	0.00%
SALHN FMC TAVI Implants	42	42	-	42	-	-	-	-	42	-	100.00%	0.00%
SALHN FMC Theatre Implants	8,672	8,672	-	8,599	-	-	-	-	8,599	73	99.16%	0.00%
SALHN FMC Translation	4,462	4,462	-	1,150	57	2,928	327	-	4,462	-	100.00%	7.33%
SALHN FMC Trauma Co-ordination	1,152	1,152	-	853	298	-	-	-	1,151	1	99.91%	0.00%
SALHN FMC Unqualified neonates	3,073	3,073	-	3,062	-	-	-	-	3,062	11	99.64%	0.00%
SALHN Pathology	782,904	782,904	-	382,134	328,654	55,437	16,679	-	782,904	-	100.00%	2.13%
SALHN Patient Transport	4,282	4,282	-	2,039	2,060	117	-	-	4,216	66	98.46%	0.00%
SALHN Respiratory	2,505	2,505	-	250	23	1,521	711	-	2,505	-	100.00%	28.38%
SALHN Service Home Enteral Nutrition	3,148	3,148	-	-	-	3,148	-	-	3,148	-	100.00%	0.00%
SALHN Service Home Oxygen	1,156	1,156	-	-	-	1,156	-	-	1,156	-	100.00%	0.00%
SALHN Service Outpatient	232,113	232,180	(67)	1,508	-	230,672	-	-	232,180	-	100.00%	0.00%

Source: KPMG based on data supplied by the Flinders Medical Centre and SA Health

2.6 Tasmania

Activity tables

Table 25 – Activity data – Tasmanian Health Service

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatients	150,560	150,560	-	150,560	-	-	-	-	150,560	-
Outpatients	533,221	533,221	-	-	-	463,048	-	70,171	533,219	-
Emergency	156,752	156,752	-	-	156,752	-	-	-	156,752	-
Rural Emergency	19,450	19,450	-	-	-	-	-	19,450	19,450	-
Dummy Episodes	563	7,811	7,248	-	-	-	7,812	-	7,812	-
Community Outpatients	-	53,893	53,893	-	-	-	53,893	-	53,893	-
TOTAL	860,546	921,687	61,141	150,560	156,752	463,050	61,705	89,621	921,686	-

Source: KPMG based on data supplied by The Tasmanian Health Service and DHHS

Table 26 – Activity data submission – Tasmanian Health Service

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	141,364	(20,244)	121,120	-	121,120	121,120	(3,762)	117,358
Non-admitted	533,219	(154,773)	378,446	-	378,446	378,453	-	378,453
Emergency	176,202	(19,450)	156,752	-	156,752	156,752	-	156,752
Sub Acute	3,096	(52)	3,044	-	3,044	3,044	-	3,044
Mental Health	3,021	(42)	2,979	-	2,979	2,979	-	2,979
Other	56,202	(54,540)	1,662	-	1,662	1,655	-	1,655

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Research	4	(4)	-	-	-		-	
Teaching and Training	5	(5)	-	-	-		-	
System-generated patients	7,500	(7,500)	-	-	-		-	
TOTAL	920,613	(256,610)	664,003	-	664,003	664,003	(3,762)	660,241

Source: KPMG based on data supplied by the Tasmanian Health Service, TAS-DHHA and IHPA

Feeder data

Table 27 – Feeder data – Tasmanian Health Service

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
Pharmacy	315,521	315,521	-	227,220	7,582	66,718	7,248	6,753	315,521	-	100.00%	2.30%
Pathology	2,469,597	2,469,597	-	1,297,613	622,808	233,015	283,840	32,321	2,469,597	-	100.00%	11.49%
Imaging	217,841	217,841	-	85,094	72,625	47,108	11,249	1,700	217,776	(65)	99.97%	5.16%
Blood	25,661	25,661	-	19,282	1,722	1,389	1,624	1,644	25,661	-	100.00%	6.33%
Ward Stays	581,597	581,597	-	581,597	-	-	-	-	581,597	-	100.00%	0.00%
Interpreters	3,919	3,919	-	641	14	3,247		17	3,919	-	100.00%	0.00%
Outpatients	865,727	865,727	-	245,671	4,142	554,225	61,586	102	865,726	(1)	100.00%	7.11%
Theatre	316,102	316,102	-	316,102	-	-	-	-	316,102	-	100.00%	0.00%
LGH Eyes	1,486	1,486	-	1,486	-	-	-	-	1,486	-	100.00%	0.00%
Community Carers	2,406	2,406	-	2,397	2	7	-	-	2,406	-	100.00%	0.00%
Specialties	1,032,465	1,032,465	-	618,394	-	363,257	16,227	-	997,878	(34,587)	96.65%	1.57%
Waiting List	18,949	18,949	-	18,949	7,582	-	-	-	18,949	-	-	0.00%
Holman Clinic (Oncology)	147,287	147,287	-	-	-	-	7,248	147,287	147,287	-	100.00%	0.00%

Source: KPMG based on data supplied by The Tasmanian Health Service and DHHS

2.7 Victoria

Activity tables

Table 28 – Activity data – Alfred Health

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Inpatient Encounters	113,333	113,333	-	113,333	-	-	-	-	113,333	-
Emergency Department Encounters	99,084	99,084	-	-	99,084	-	-	-	99,084	-
Outpatient Encounters	231,252	231,252	-	-	-	231,252	-	-	231,252	-
Health Independence Program (HIP) Encounters	94,408	94,408	-	-	-	-	-	94,408	94,408	-
Dummy (Aggregate) Encounters	37	37	-	-	-	-	37	-	37	-
TOTAL	538,114	538,114	-	113,333	99,084	231,252	37	94,408	538,114	-

Source: KPMG based on data supplied by Alfred Health and DHHS

Table 29 – Activity data – Bairnsdale Regional Health Service

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Outpatients	29,462	29,462	-	-	-	29,462	-	-	29,462	-
Inpatient Encounter	16,035	16,035	-	16,035	-	-	-	-	16,035	-
Emergency Dept	20,715	20,715	-	-	20,715	-	-	-	20,715	-
Community Health	2,579	2,579	-	-	-	-	-	2,579	2,579	-
TOTAL	68,791	68,791	-	16,035	20,715	29,462	-	2,579	68,791	-

Source: KPMG based on data supplied by the Bairnsdale Regional Health Service and DHHS

Table 30 – Activity data submission – Alfred Health

Product	Activity related to 2016-17 Costs*	Adjustments*	Activity submitted to jurisdiction*	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	154,379	(925)	153,454	(47,352)	106,102	106,145		106,145
Non-admitted	321,786	-	321,786	(95,612)	226,174	226,174		226,174
Emergency	99,084	-	99,084	(8)	99,076	99,076		99,076
Sub Acute	-	-	-	3,698	3,698	3,698		3,698
Mental Health	13	-	13	1,508	1,521	1,521		1,521
Other	112,357	(84)	112,273	(112,203)	70	27		27
Research	-	-	-	-	-			
Teaching and Training	-	-	-	-	-			
System-generated patients	11	-	11	(11)	-			
TOTAL	687,630	(1,009)	686,621	(249,980)	436,641	436,641		436,641

Source: KPMG based on data supplied by Alfred Health, DHHS and IHPA

* Alfred Health submits data to DHHS in accordance with the VCDC guidelines in relation to product type, DHHS reallocated activity data to align with NHCDC product types.

Table 31 – Activity data submission – Bairnsdale Regional Health Service

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	16,329	-	16,329	(593)	15,736	15,736	(333)	15,403
Non-admitted	29,462	-	29,462	(25,151)	4,311	4,311	-	4,311
Emergency	20,698	-	20,698	(36)	20,662	20,662	-	20,662
Sub Acute	-	-	-	452	452	452	-	452
Mental Health	-	-	-	-	-		-	-
Other	46,053	-	46,053	(46,053)	-		-	-
Research	-	-	-	-	-		-	-

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Teaching and Training	-	-	-	-	-		-	-
Virtual patients	-	-	-	-	-		-	-
TOTAL	112,542	-	112,542	(71,381)	41,161	41,161	(333)	40,828

Source: KPMG based on data supplied by the Bairnsdale Regional Health Service, DHHS and IHPA

* Bairnsdale Regional Health Service submits data to DHHS in accordance with the VCDC guidelines in relation to product type, DHHS reallocated activity data to align with NHCDC product types.

Feeder tables

Table 32 – Feeder data – Alfred Health

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
Allied Health	507,230	507,230	-	463,410	9,729	12,187	-	722	486,048	21,182	95.82%	0.00%
Blood Products	36,931	36,931	-	32,646	1,968	917	-	-	35,531	1,400	96.21%	0.00%
Bronchoscopy Suite	1,129	1,129	-	1,089	-	-	-	-	1,089	40	96.46%	0.00%
Cath Lab	32,307	32,307	-	32,242	-	-	-	-	32,242	65	99.80%	0.00%
ECHO	7,715	7,715	-	3,856	178	2,526	-	-	6,560	1,155	85.03%	0.00%
All ECMO Patients	80	80	-	79	1	-	-	-	80	-	100.00%	0.00%
ECMO retrievals	34	34	-	34	-	-	-	-	34	-	100.00%	0.00%
ED Service	397,942	397,942	-	-	397,942	-	-	-	397,942	-	100.00%	0.00%
Halobracers	40	40	-	40	-	-	-	-	40	-	100.00%	0.00%
HIP Services	98,045	98,045	-	-	-	-	-	98,045	98,045	-	100.00%	0.00%
Home oxygen	71	71	-	69	-	1	-	-	70	1	98.59%	0.00%

*Independent Hospital Pricing Authority
Round 21 – NHCDC Independent Financial Review
Supplementary Paper – January 2019*

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
HTRAK	8,760	8,760	-	8,153	423	23	-	-	8,599	161	98.16%	0.00%
Hyperbaric	3,982	3,982	-	3,685	6	165	-	-	3,856	126	96.84%	0.00%
Imaging	217,450	217,450	-	69,936	72,240	43,644	-	-	185,820	31,630	85.45%	0.00%
Lung Function	10,873	10,873	-	1,629	70	8,139	-	-	9,838	1,035	90.48%	0.00%
Nuclear Medicine/PET	8,861	8,861	-	2,925	272	3,148	-	-	6,345	2,516	71.61%	0.00%
OP Service	236,681	236,681	-	375	1	236,270	-	-	236,646	35	99.99%	0.00%
Palliative Care	6,450	6,450	-	6,189	38	199	-	4	6,430	20	99.69%	0.00%
Pathology	1,231,122	1,231,122	-	675,599	249,187	178,075	-	-	1,102,861	128,261	89.58%	0.00%
Patient Transport - NPT	12,775	12,775	-	9,316	1,604	1,357	-	-	12,277	498	96.10%	0.00%
Pharmacy	312,097	312,097	-	227,650	17,263	50,319	-	-	295,232	16,865	94.60%	0.00%
Pharmacy - cyto	15,443	15,443	-	13,766	1	346	-	-	14,113	1,330	91.39%	0.00%
Post Surgical Pain Round	237	237	-	213	-	-	-	-	213	24	89.87%	0.00%
Prostheses (OR)	36,021	36,021	-	36,007	-	3	-	-	36,010	11	99.97%	0.00%
Psychiatry Consultation Liasion	6,701	6,701	-	5,353	269	459	-	-	6,081	620	90.75%	0.00%
Radiology MIA_CGMC	4,977	4,977	-	4,652	-	6	-	-	4,658	319	93.59%	0.00%
RT Service	45,638	45,638	-	3,296	-	-	-	42,342	45,638	-	100.00%	0.00%
Theatre	26,282	26,282	-	25,897	7	6	-	-	25,910	372	98.58%	0.00%
Theatre Staff	118,854	118,854	-	117,482	-	16	-	-	117,498	1,356	98.86%	0.00%
Trauma ED Callouts	3,112	3,112	-	26	3,081	-	-	-	3,107	5	99.84%	0.00%
Interpreters	24,286	24,286	-	8,059	50	11,928	-	1,287	21,324	2,962	87.80%	0.00%
Psych Specials (Agency)	715	715	-	691	17	-	-	-	708	7	99.02%	0.00%
VADs	21	21	-	21	-	-	-	-	21	-	100.00%	0.00%

Source: KPMG based on data supplied by Alfred Health and DHHS

Table 33 – Feeder data – Bairnsdale Regional Health Service

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-gen patient
Coding Diagnoses	65,687	65,687	-	65,687	-	-	-	-	65,687	-	100.00%	0.00%
Coding Procedures	23,347	23,347	-	23,347	-	-	-	-	23,347	-	100.00%	0.00%
Inpatient Transfer	18,228	18,228	-	18,228	-	-	-	-	18,228	-	100.00%	0.00%
Outpatient-Consulting	5,544	5,544	-	-	-	5,544	-	-	5,544	-	100.00%	0.00%
Outpatient-Allied Health	27,499	27,499	-	-	-	27,499	-	-	27,499	-	100.00%	0.00%
Outpatient - Ross Street	24,470	24,470	-	-	-	24,470	-	-	24,470	-	100.00%	0.00%
Radiology	40,117	40,117	-	5,022	9,400	2,250	-	23,445	40,117	-	100.00%	0.00%
Pharmacy	29,916	29,916	-	25,266	1,911	841	-	1,898	29,916	-	100.00%	0.00%
Blood Products	889	889	-	889	-	-	-	-	889	-	100.00%	0.00%
Pathology	42,859	42,859	-	18,532	24,327	-	-	-	42,859	-	100.00%	0.00%
Patient Transport	1,604	1,604	-	910	694	-	-	-	1,604	-	100.00%	0.00%
Phase of Care	910	910	-	910	-	-	-	-	910	-	100.00%	0.00%
Theatre	10,515	10,515	-	10,515	-	-	-	-	10,515	-	100.00%	0.00%
Home Oxygen	43	43	-	43	-	-	-	-	43	-	100.00%	0.00%
Theatre VMO	12,312	12,312	-	11,807	505	-	-	-	12,312	-	100.00%	0.00%
Maternity VMO	234	234	-	228	6	-	-	-	234	-	100.00%	0.00%

Source: KPMG based on data supplied by the Bairnsdale Regional Health Service and DHHS

2.8 Western Australia

Activity tables

Table 34 – Activity data – Fiona Stanley Hospital

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Encounters	593,910	593,910	-	101,838	101,552	390,520	-	-	593,910	-
TOTAL	593,910	593,910	-	101,838	101,552	390,520	-	-	593,910	-

Source: KPMG based on data supplied by Fiona Stanley Hospital and WA Health

Table 35 – Activity data – Princess Margaret Hospital

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
Encounters	323,120	323,120	-	25,292	59,734	218,585	19,509	-	323,120	-
TOTAL	323,120	323,120	-	25,292	59,734	218,585	19,509	-	323,120	-

Source: KPMG based on data supplied by Princess Margaret Hospital and WA Health

Table 36 – Activity data – Carnarvon Hospital

Activity Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records
PAS	1,488	1,488	-	1,465	-	-	-	-	1,465	23
ED	10,103	10,103	-	-	10,105	-	-	-	10,105	(2)
Outpatients	10,194	10,194	-	-	-	5,629	-	-	5,629	4,565
TOTAL	21,785	21,785	-	1,465	10,105	5,629	-	-	17,199	4,586

Source: KPMG based on data supplied by Carnarvon Hospital and WA Health

Table 37 – Activity data submission – Fiona Stanley Hospital

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	107,668	-	107,668	(490)	107,178	107,178		107,178
Non-admitted	317,886	-	317,886	(16,476)	301,410	301,410		301,410
Emergency	101,596	-	101,596	(93)	101,503	101,503		101,503
Sub Acute	1,212	-	1,212	(89)	1,123	1,123		1,123
Mental Health	1,205	-	1,205	(22)	1,183	1,183		1,183
Other	2,272	-	2,272	(2,262)	10	10		10
Research	-	-	-	-	-	-		
Teaching and Training	-	-	-	-	-	-		
System-generated patients	46,157	-	46,157	(46,157)	-	-		
TOTAL	577,996	-	577,997	(65,589)	512,407	512,407		

Source: KPMG based on data supplied by Fiona Stanley Hospital and WA Health

Table 38 – Activity data submission – Princess Margaret Hospital

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	27,720	-	27,720	(170)	27,550	27,550	(5)	27,545
Non-admitted	168,494	-	168,494	(9,242)	159,252	159,252		159,252
Emergency	58,815	-	58,815	(30)	58,785	58,785		58,785
Sub Acute	1	-	1		1	1		1
Mental Health	551	-	551	(14)	537	537		537
Other	127	-	127	(124)	3	3		3
Research	-	-	-		-	-	-	-
Teaching and Training	-	-	-	-	-	-	-	-
System-generated patients	16,943	-	16,943	(16,943)	-	-	-	-
TOTAL	272,651	-	272,651	(26,549)	246,128	246,128	(5)	246,123

Source: KPMG based on data supplied by Princess Margaret Hospital and WA Health

Table 39 – Activity data submission – Carnarvon Hospital

Product	Activity related to 2016-17 Costs	Adjustments	Activity submitted to jurisdiction	Adjustments	Activity submitted to IHPA	Activity received by IHPA	Adjustments	Total Activity submitted for Round 21 NHCDC
Acute and Newborns	1,374	-	1,374	(11)	1,363	1,362	(15)	1,347
Non-admitted	5,650	-	5,650	(35)	5,615	5,615		5,615
Emergency	10,105	-	10,105	(6)	10,099	10,099		10,099
Sub Acute	29	-	29	(2)	27	27		27
Mental Health	-	-	-		-			-
Other	24	-	24	(27)	(3)			-
Research	-	-	-	-	-			-
Teaching and Training	-	-	-	-	-	-		-
System-generated patients	826	-	826	(826)	-	-		-
TOTAL	18,008	-	18,008	(907)	17,101	17,103	(15)	17,088

Source: KPMG based on data supplied by Carnarvon Hospital, WA Health and IHPA

Feeder data

Table 40 – Feeder data – Fiona Stanley Hospital

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Diagnosis	315,918	315,918	-	315,918	-	-	-	-	315,918	-	100.00%	0.00%
Procedure	199,914	199,914	-	199,914	-	-	-	-	199,914	-	100.00%	0.00%
Radiology	241,982	241,982	-	99,367	100,731	32,608	9,276	-	241,982	-	100.00%	3.83%
Pharmacy	205,940	205,940	-	165,382	5,377	26,285	8,896	-	205,940	-	100.00%	4.32%

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Pathology	828,369	828,369	-	487,070	173,768	141,439	26,092	-	828,369	-	100.00%	3.15%
Allied Health	779,221	779,221	-	607,191	30,996	135,783	5,251	-	779,221	-	100.00%	0.67%
Theatre	152,670	152,670	-	151,152	-	-	1,518	-	152,670	-	100.00%	0.99%
Cardiology	7,556	7,556	-	7,525	-	-	31	-	7,556	-	100.00%	0.41%

Source: KPMG based on data supplied by Fiona Stanley Hospital and WA Health

Table 41 – Feeder data – Princess Margaret Hospital

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Allied Health	209,253	209,253	-	93,027	1,696	109,402	5,128	-	209,253	-	100.00%	2.45%
Pathology	154,250	154,250	-	79,453	28,791	38,416	7,590	-	154,250	-	100.00%	4.92%
Pharmacy	98,939	98,939	-	62,502	1,392	27,782	7,263	-	98,939	-	100.00%	7.34%
Radiology	68,353	68,353	-	18,836	24,643	22,130	2,744	-	68,353	-	100.00%	4.01%
Theatres	44,640	44,640	-	44,630	-	10	-	-	44,640	-	100.00%	0.00%

Source: KPMG based on data supplied by Princess Margaret Hospital and WA Health

Table 42 – Feeder data – Carnarvon Hospital

Feeder Data	# Records from Source	# Records in costing system	Variance	# Records linked to Admitted	# Records linked to Emergency	# Records linked to Non-admitted	# Records linked to Syst-Gen patient	# Records linked to Other	Total Linking Process	# Unlinked records	% Linked	% to Syst-Gen patient
Theatre	715	715	-	705	-	-	-	-	705	10	98.60%	0.00%
Pathology	11,199	11,199	-	3,312	6,485	526	876	-	11,199	-	100.00%	7.82%

Source: KPMG based on data supplied by Carnarvon Hospital and WA Health



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