

RTI #3638 – Babies discharged and readmitted within 28 days

Contextual Information

There is no Statewide clinical guideline that states a baby is to be discharged at a certain length of stay.

The Statewide Routine Newborn Assessment Queensland Clinical Guideline identifies that “every newborn requires a brief physical examination within the first few minutes after birth and then a full and detailed assessment within the next 48 hours and prior to discharge from hospital.”

Clear guidance is provided to evaluate each mother- newborn dyad individually and involve the family when determining optimal time of discharge. Criteria for newborn discharge include physiologic stability, family preparedness to provide newborn care, availability of social support, and access to the health care system and resources.

Data source

The attached information has been extracted from the Queensland Hospital Admitted Patient Data Collection (QHAPDC), and prepared by the Statistical Reporting and Coordination Unit, Services Branch, Department of Health

RTI Released

Number of Babies discharged within selected number of hours, public acute hospitals, Queensland between 1 October 2016 and 31 January 2017

Babies discharged within:

HHS of Hospital	0-6 hrs	6-12hrs	12-24hrs	Total babies discharged home
Metro North	14	134	180	2,549
Metro South	7	72	195	1,651
Gold Coast	63	69	145	1,672
Rest of State (public acute hospitals)	245	328	836	8,100
Total	329	603	1,356	13,972

Notes:

1. Data are preliminary, subject to change and incomplete.
2. Data are limited to those babies born in hospital and discharged home within selected discharge hours.
3. Metro South HHS does not include 'Mater Hospitals - South Brisbane'; these hospitals are included in 'Rest of State'.
4. There were no births reported at Lady Cilento Children's Hospital for this period.

Source: Queensland Hospital Admitted Patient Data Collection (QHAPDC), Statistical Services Branch, Dept of Health, Qld

Prepared by: Statistical Reporting and Coordination Unit, Statistical Services Branch, Department of Health

Date: 10 April 2017

RTI REQUEST

Babies discharged home within 24 hours of birth from a public acute hospital, with an emergency readmission occurring within 28 days to the same public acute hospital, Queensland, for babies discharged home between 1 October 2016 to 31 December 2016.

HHS of Hospital	Readmissions same hospital				
	Babies discharged within:				
	0 to 6 hrs	>6 up to 12 hrs	>12 up to 24 hrs	> 24 hrs	Total
Metro North	0	1	4	39	44
Metro South	0	3	3	44	50
Gold Coast	1	1	3	26	31
Rest of State (public acute hospitals)	3	12	14	172	201
Total	4	17	24	281	326

Babies discharged within:	Readmissions same hospital	
	No.	Rate
0-24 hours	45	2.0%
> 24 hours	281	2.4%

Principal Diagnosis for these readmissions:

(contains one readmission of E46- Unspecified protein-energy malnutrition as an additional diagnosis)

ICD-10-AM	Principal Diagnosis description	Count
A419	Sepsis, unspecified	1
E713	Disorders of fatty-acid metabolism	2
G008	Other bacterial meningitis	1
H105	Blepharoconjunctivitis	1
J069	Acute upper respiratory infection, unspecified	6
J210	Acute bronchiolitis due to respiratory syncytial virus	2
J218	Acute bronchiolitis due to other specified organisms	1
L010	Impetigo [any organism] [any site]	1
N390	Urinary tract infection, site not specified	1
P123	Bruising of scalp due to birth trauma	1
P281	Other and unspecified atelectasis of newborn	1
P2982	Benign and innocent cardiac murmurs in newborn	1
P369	Bacterial sepsis of newborn, unspecified	1
P391	Neonatal conjunctivitis and dacryocystitis	4
P398	Other specified infections specific to the perinatal period	1
P399	Infection specific to the perinatal period, unspecified	1
P551	ABO isoimmunisation of fetus and newborn	1
P598	Neonatal jaundice from other specified causes	1
P599	Neonatal jaundice, unspecified	4
P819	Disturbance of temperature regulation of newborn, unspecified	2
P831	Neonatal erythema toxicum	1
P90	Convulsions of newborn	1
P928	Other feeding problems of newborn	1
P929	Feeding problem of newborn, unspecified	1
Q249	Congenital malformation of heart, unspecified	1
R509	Fever, unspecified	1
R628	Other lack of expected normal physiological development	1
R681	Nonspecific symptoms peculiar to infancy	1
Z001	Routine child health examination	1
Z762	Health supervision and care of other healthy infant and child	2

Notes:

1. Data are preliminary, subject to change and incomplete.
2. Data limited to discharges up to and including 31 December 2016 with readmissions then occurring up to 31 January 2017 to capture 28 days since last discharge.

3. Master linkage file used to link readmissions records.
 4. The rate of readmission within 28 days for babies discharged within 0-24 hours was 2.0%, 95 per cent confidence intervals = 1.44%, 2.62%.
 5. The rate of readmission within 28 days for babies discharged >24 hours was 2.4%, 95 per cent confidence intervals = 2.13%, 2.70%.
 6. The difference between readmission rates for discharges within 0-24 hours and > 24 hours is not statistically significant.
- Source: Queensland Hospital Admitted Patient Data Collection (QHAPDC), Statistical Services Branch, Department of Health, Queensland*
Prepared by: Statistical Reporting and Coordination Unit, Statistical Services Branch, Department of Health
Date: 11 July 2017 (extracted 10 April 2017)

RTI Release

Babies discharged home within 24 hours of birth from a public acute hospital, with an emergency readmission occurring within 28 days to Lady Cilento Children's Hospital (LCCH), Queensland, for babies discharged between 1 October 2016 to 31 December 2016

HHS of Birth Hospital	Readmissions to LCCH		
	Babies discharged within:		
	0-6 hrs	6-12 hrs	12-24 hrs
Metro North	0	2	0
Metro South	0	0	0
Gold Coast	0	0	0
Rest of State (public acute hospitals)	2	2	7
Total	2	4	7

Principal Diagnosis for these readmissions:

ICD-10-AM	Principal Diagnosis description	Count
A410	Sepsis due to Staphylococcus aureus	1
A418	Other specified sepsis	1
L00	Staphylococcal scalded skin syndrome	1
P2889	Other specified respiratory conditions of newborn	1
P293	Persistent fetal circulation	1
P598	Neonatal jaundice from other specified causes	1
P783	Noninfective neonatal diarrhoea	1
P923	Underfeeding of newborn	1
P924	Overfeeding of newborn	1
P928	Other feeding problems of newborn	2
P929	Feeding problem of newborn, unspecified	1
Z0379	Observation of newborn for other suspected condition	1

Notes:

1. Data are preliminary, subject to change and incomplete.
2. Data limited to discharges up to and including 31 December 2016 with readmissions then occurring up to 31 January 2017 to capture 28 days since last discharge.
4. Master linkage file used to link readmissions records.

Source: Queensland Hospital Admitted Patient Data Collection (QHAPDC), Statistical Services Branch, Dept of Health, Qld

Prepared by: Statistical Reporting and Coordination Unit, Statistical Services Branch, Department of Health

Date: 10 April 2017

Number of Babies discharged within selected number of hours, public acute hospitals,
Queensland between 1 October 2016 and 31 December 2016

Babies discharged within:

HHS of Hospital	0-6 hrs	6-12hrs	12-24hrs	Total babies discharged home
Metro North	9	97	132	1,918
Metro South	6	53	144	1,236
Gold Coast	47	50	109	1,246
Rest of State (public acute hospitals)	181	236	620	6,098
Total	243	436	1,005	10,498

Notes:

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2. Data are limited to those babies born in hospital and discharged home within selected discharge hours.
3. Metro South HHS does not include 'Mater Hospitals - South Brisbane'; these hospitals are included in 'Rest of State'.
4. There were no births reported at Lady Cilento Children's Hospital for this period.

Source: Queensland Hospital Admitted Patient Data Collection (QHAPDC), Statistical Services Branch, Dept of Health, Qld

Prepared by: Statistical Reporting and Coordination Unit, Statistical Services Branch, Department of Health

Date: 10 April 2017

RTI Release