

## PAEDIATRIC REFERENCE INTERVALS

CLINICAL CHEMISTRY							
ALBUMIN	M/F	0D	<4W	26	42	g/L	6/NOV/1999
	M/F	4W	<110Y	33	48	g/L	6/NOV/1999
ALP	M/F	0D	<7D	80	380	U/L	30/JAN/2017
	M/F	7D	<28D	120	550	U/L	30/JAN/2017
	M/F	28D	<182D	120	650	U/L	30/JAN/2017
	M/F	182D	<2Y	120	450	U/L	30/JAN/2017
	M/F	2Y	<6Y	120	370	U/L	30/JAN/2017
	F/M	6Y	<10Y	120	440	U/L	30/JAN/2017
	F	10Y	<13Y	100	460	U/L	30/JAN/2017
	F	13Y	<14Y	70	330	U/L	30/JAN/2017
	F	14Y	<15Y	50	280	U/L	30/JAN/2017
	F	15Y	<16Y	45	170	U/L	30/JAN/2017
	F	16Y	<22Y	35	140	U/L	30/JAN/2017
	M	10	<14	130	530	U/L	30/JAN/2017
	M	14Y	<15Y	105	480	U/L	30/JAN/2017
	M	15Y	<17Y	80	380	U/L	30/JAN/2017
	M	17Y	<19	50	220	U/L	30/JAN/2017
ALT	M	0Y	<110Y		<51	U/L	16/NOV/2018
	F	0Y	<110Y		<36	U/L	16/NOV/2018
AMYLASE	M/F	0Y	110Y	36	128	U/L	6/NOV/1999
AST	M/F	0Y	<120Y		<36	U/L	16/NOV/2018
BETA 2 MICROGLOBULIN (B2M)	M/F	0Y	110Y	1.1	2.5	mg/L	27/JUL/2012
BICARBONATE	M/F	0D	7D	15	28	mmol/L	30/JAN/2017
	M/F	7D	<2Y	16	29	mmol/L	30/JAN/2017
	M/F	2Y	<10Y	17	30	mmol/L	30/JAN/2017
	M/F	10Y	<18Y	20	32	mmol/L	30/JAN/2017
BILIRUBIN DIRECT (CONJ)	M/F	0Y	110Y	0	<10	umol/L	16/NOV/2018
BILIRUBIN TOTAL	M/F	0D	<1D	0	85	umol/L	16/NOV/2018
	M/F	1D	<2D	0	150	umol/L	16/NOV/2018
	M/F	2D	<5D	0	200	umol/L	16/NOV/2018
	M/F	5D	<1Y	0	15	umol/L	16/NOV/2018
	M/F	1Y	<120Y	0	20	umol/L	16/NOV/2018
	M/F	1Y	110Y	0	25	umol/L	16/NOV/2018
CALCIUM (TOTAL)	M/F	0D	<7D	1.85	2.80	mmol/L	30/JAN/2017
	M/F	7D	<182D	2.20	2.80	mmol/L	30/JAN/2017
	M/F	182D	<2Y	2.20	2.70	mmol/L	30/JAN/2017
	M/F	2Y	<18Y	2.20	2.65	mmol/L	30/JAN/2017

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<b>CHLORIDE</b>	M/F	0D	<7D	98	115	mmol/L	30/JAN2017
	M/F	7D	<18Y	97	110	mmol/L	30/JAN2017
<b>CHOLESTEROL</b>	M/F	0Y	110Y	3.0	5.5	mmol/L	6/NOV/1999
<b>CK</b>	M	0Y	<60Y	45	250	U/L	16/NOV/2018
	F	0Y	<120Y	30	150	U/L	16/NOV/2018
<b>CKMB</b>	M/F	0Y	110Y	0	5	ug/L	6/NOV/1999
<b>C-REACTIVE PROTEIN</b>	M/F	0Y	110Y	0	3	mg/L	6/NOV/1999
<b>CREATININE</b>	M/F	0D	<7D	22	93	umol/L	30/JAN2017
	M/F	7D	<28D	15	50	umol/L	30/JAN2017
	M/F	28D	<2Y	11	36	umol/L	30/JAN2017
	M/F	2Y	<6Y	20	44	umol/L	30/JAN2017
	M/F	6Y	<12Y	27	58	umol/L	30/JAN2017
	M	12Y	<15Y	35	83	umol/L	30/JAN2017
	M	15Y	19Y	50	100	umol/L	30/JAN2017
	F	12Y	<15Y	35	74	umol/L	30/JAN2017
	F	15Y	19Y	38	82	umol/L	30/JAN2017
<b>FERRITIN</b>	M	0Y	110Y	20	300	ug/L	6/NOV/1999
	F	0Y	110Y	15	200	ug/L	6/NOV/1999
<b>FRUCTOSAMINE</b>	M/F	0Y	110Y	200	290	umol/L	6/NOV/1999
<b>GGT</b>	M	0Y	110Y	0	50	U/L	6/NOV/1999
	F	0Y	110Y	0	30	U/L	6/NOV/1999
<b>GLUCOSE (FASTING)</b>	M/F	0D	<1D	2.0	5.4	mmol/L	15/SEP/2000
	M/F	1D	<4W	2.5	5.5	mmol/L	15/SEP/2000
	M/F	4W	<1Y	3	5.8	mmol/L	15/SEP/2000
	M/F	1Y	110Y	3.0	5.5	mmol/L	15/SEP/2000
<b>HAEMOGLOBIN GLYCOSYLATED (HbA1c – NGSP)</b>	M/F	0Y	110Y	4.0	6.0	%	30/JUL/2012
<b>HAEMOGLOBIN GLYCOSYLATED (HbA1c – IFCC)</b>	M/F	0Y	110Y	20	42	mmol/mol	30/JUL/2012
<b>HDL CHOLESTEROL</b>	M	0Y	110Y	0.7	1.9	mmol/L	6/NOV/1999
	F	0Y	110Y	0.9	2.4	mmol/L	6/NOV/1999
<b>HOMOCYSTEINE</b>	M	0Y	110Y	5	15	umol/L	6/NOV/1999
	F	0Y	110Y	5	12	umol/L	6/NOV/1999
<b>IRON</b>	M	0Y	110Y	8.1	32.6	umol/L	6/NOV/1999
	F	0Y	110Y	5.0	30.4	umol/L	6/NOV/1999
<b>LD (LDH)</b>	M/F	0Y	110Y	0	250	IU/L	11/JUN/2008
<b>LDL CHOLESTEROL</b>	M/F	0Y	110Y	0	3.5	mmol/L	6/NOV/1999
<b>LIPASE</b>	M/F	0Y	110Y	10	60	U/L	16/NOV/2018

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<b>MAGNESIUM</b>	M/F	0Y	<7D	0.60	1.00	mmol/L	30/JAN/2017
	M/F	7D	<18Y	0.65	1.10	mmol/L	30/JAN/2017
<b>OSMOLALITY</b>	M/F	0Y	110Y	275	300	mmol/Kg	6/NOV/1999
<b>PHOSPHATE</b>	M/F	0D	<7D	1.25	2.85	mmol/L	30/JAN/2017
	M/F	7D	<28D	1.50	2.75	mmol/L	30/JAN/2017
	M/F	28D	<182D	1.45	2.50	mmol/L	30/JAN/2017
	M/F	182D	<1Y	1.30	2.30	mmol/L	30/JAN/2017
	M/F	1Y	<4Y	1.10	2.20	mmol/L	30/JAN/2017
	M/F	4Y	<15Y	0.90	2.00	mmol/L	30/JAN/2017
	M/F	15Y	<18Y	0.80	1.85	mmol/L	30/JAN/2017
<b>POTASSIUM</b>	M/F	0D	<7D	3.8	6.5	mmol/L	24/JAN/2017
	M/F	7D	<182D	4.2	6.7	mmol/L	24/JAN/2017
	M/F	182D	<2Y	3.9	5.6	mmol/L	24/JAN/2017
	M/F	2Y	<18Y	3.6	5.3	mmol/L	24/JAN/2017
<b>PROTEIN</b>	M/F	1Y	4Y	58	78	g/L	6/NOV/1999
	M/F	4Y	16Y	60	80	g/L	6/NOV/1999
	M/F	16Y	110Y	61	79	g/L	6/NOV/1999
<b>SODIUM</b>	M/F	0D	<7D	132	147	mmol/L	30/JAN/2017
	M/F	7D	<18Y	133	144	mmol/L	30/JAN/2017
<b>TRANSFERRIN</b>	M	0Y	120Y	1.8	3.5	g/L	16/NOV/2018
<b>TRIGLYCERIDE</b>	M/F	0Y	110Y	0	2.0	mmol/L	6/NOV/1999
<b>TROPONIN T (hs TnT)</b>	M/F	0Y	110Y	0	14	ng/L	26/AUG/2010
<b>UREA</b>	M	0D	<50Y	3.5	8.0	mmol/L	16/NOV/2018
	F	0D	<50Y	3.0	7.0	mmol/L	16/NOV/2018
<b>URIC ACID</b>	M/F	0D	<4W	0.18	0.45	mmol/L	16/NOV/2018
	M/F	4W	<1Y	0.12	0.21	mmol/L	16/NOV/2018
	M/F	1Y	<6Y	0.10	0.35	mmol/L	16/NOV/2018
	M/F	6Y	<12Y	0.13	0.39	mmol/L	16/NOV/2018
	M	12Y	<18Y	0.18	0.40	mmol/L	16/NOV/2018
	F	12Y	<18Y	0.16	0.36	mmol/L	16/NOV/2018
<b>URINE CHEMISTRY</b>							
<b>ALBUMIN / CREATININE RATIO</b>	M	0Y	110Y	0	2.5	mg/mmol	12/MAR/2001
	F	0Y	110Y	0	3.5	mg/mmol	12/MAR/2001
<b>PROTEIN / CREATININE RATIO</b>	M/F	0Y	110Y		<15	mg/mmol Cr	23/NOV2016
<b>URINE MICROBIOLOGY</b>							
<b>WCC</b>	M/F	0Y	110Y	0	10	10 <sup>6</sup> /L	6/NOV/1999
<b>RCC</b>	M/F	0Y	110Y	0	10	10 <sup>6</sup> /L	6/NOV/1999

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<b>EPITHELIAL CELLS</b>	M/F	0Y	110Y	Nil			6/NOV/1999
<b>ORGANISMS</b>	M/F	0Y	110Y	Nil			6/NOV/1999
<b>CASTS</b>	M/F	0Y	110Y	Nil		10 <sup>3</sup> /L	6/NOV/1999
<b>CSF</b>							
<b>GLUCOSE</b>	M/F	0Y	110Y	2.5	5.5	mmol/L	6/NOV/1999
<b>PROTEIN</b>	M/F	0Y	110Y	0.15	0.45	g/L	6/NOV/1999
<b>RBC</b>	M/F	0Y	110Y	<1		10 <sup>6</sup> /L	6/NOV/1999
<b>WBC</b>	M/F	0Y	110Y	<1		10 <sup>6</sup> /L	6/NOV/1999

<b>THYROID</b>							
<b>FREE T3</b>	M/F	0D	<6D	2.65	9.68	pmol/L	18/AUG/2014
	M/F	6D	<13W	3.00	9.28	pmol/L	18/AUG/2014
	M/F	13W	<1Y	3.30	8.95	pmol/L	18/AUG/2014
	M/F	1Y	<6Y	3.69	8.46	pmol/L	18/AUG/2014
	M/F	6Y	<11Y	3.88	8.02	pmol/L	18/AUG/2014
	M/F	11Y	<20Y	3.93	7.70	pmol/L	18/AUG/2014
<b>FREE T4 (THYROXINE)</b>	M/F	0D	<6D	11.0	32.0	pmol/L	18/JUN/2014
	M/F	6D	<13W	11.5	28.3	pmol/L	18/JUN/2014
	M/F	13W	<1Y	11.9	25.6	pmol/L	18/JUN/2014
	M/F	1Y	<6Y	12.3	22.8	pmol/L	18/JUN/2014
	M/F	6Y	<11Y	12.5	21.5	pmol/L	18/JUN/2014
	M/F	11Y	<20Y	12.6	21.0	pmol/L	18/JUN/2014
<b>TSH</b>	M/F	0D	<6D	0.7	15.2	mU/L	18/JUN/2014
	M/F	6D	<13W	0.72	11.0	mU/L	18/JUN/2014
	M/F	13W	<1Y	0.73	8.35	mU/L	18/JUN/2014
	M/F	1Y	<6Y	0.70	5.97	mU/L	18/JUN/2014
	M/F	6Y	<11Y	0.60	4.84	mU/L	18/JUN/2014
	M/F	11Y	<20Y	0.51	4.30	mU/L	18/JUN/2014

NSWHP Clinical Projects Manager:



Dated: 07 March 2019

## **PAEDIATRIC REFERENCE INTERVALS**

\*\*These reference intervals are applicable to the following NSWHP Hospital Laboratory Sites; Randwick<sup>1</sup>, St George<sup>2</sup>, Sutherland<sup>3</sup>

1 NSW Health Pathology Level 4 Campus Centre Prince of Wales Hospital 320-346 Barker Street Randwick NSW 2031

2 NSW Health Pathology Level 3 Clinical Services Building St. George Hospital Gray Street, Kogarah, NSW 2217

3 NSW Health Pathology Building Sutherland Hospital, Kareena Rd, Caringbah, NSW 2229