

Manitoba Child Health Atlas

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Manitoba Centre for Health Policy

Department of Community Health Sciences
Faculty of Medicine, University of Manitoba

The entire report is available on this WWW site:

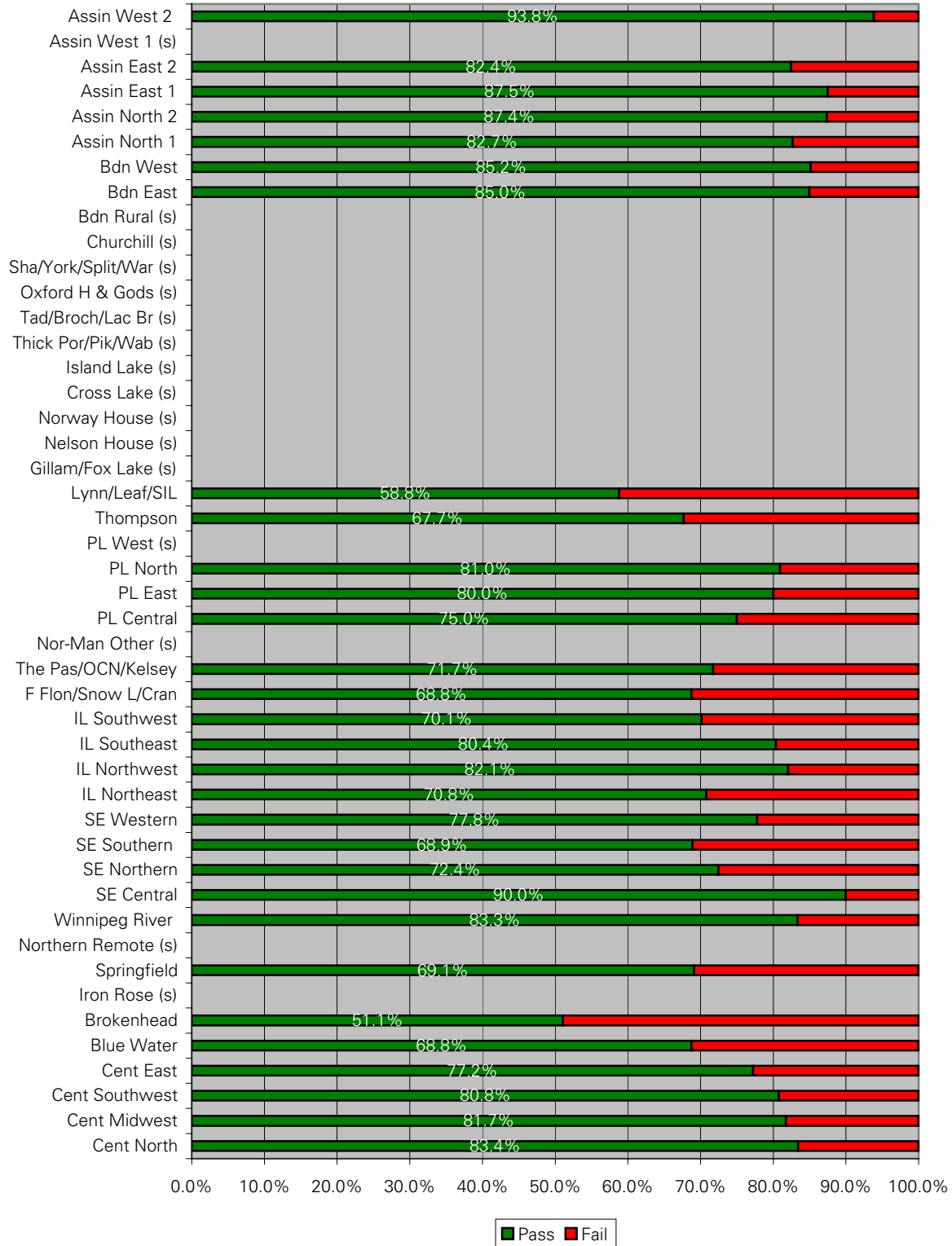
http://www.umanitoba.ca/centres/mchp/reports/child_inequalities

Education Indicators: S4 Math Standards Test by Manitoba RHA District

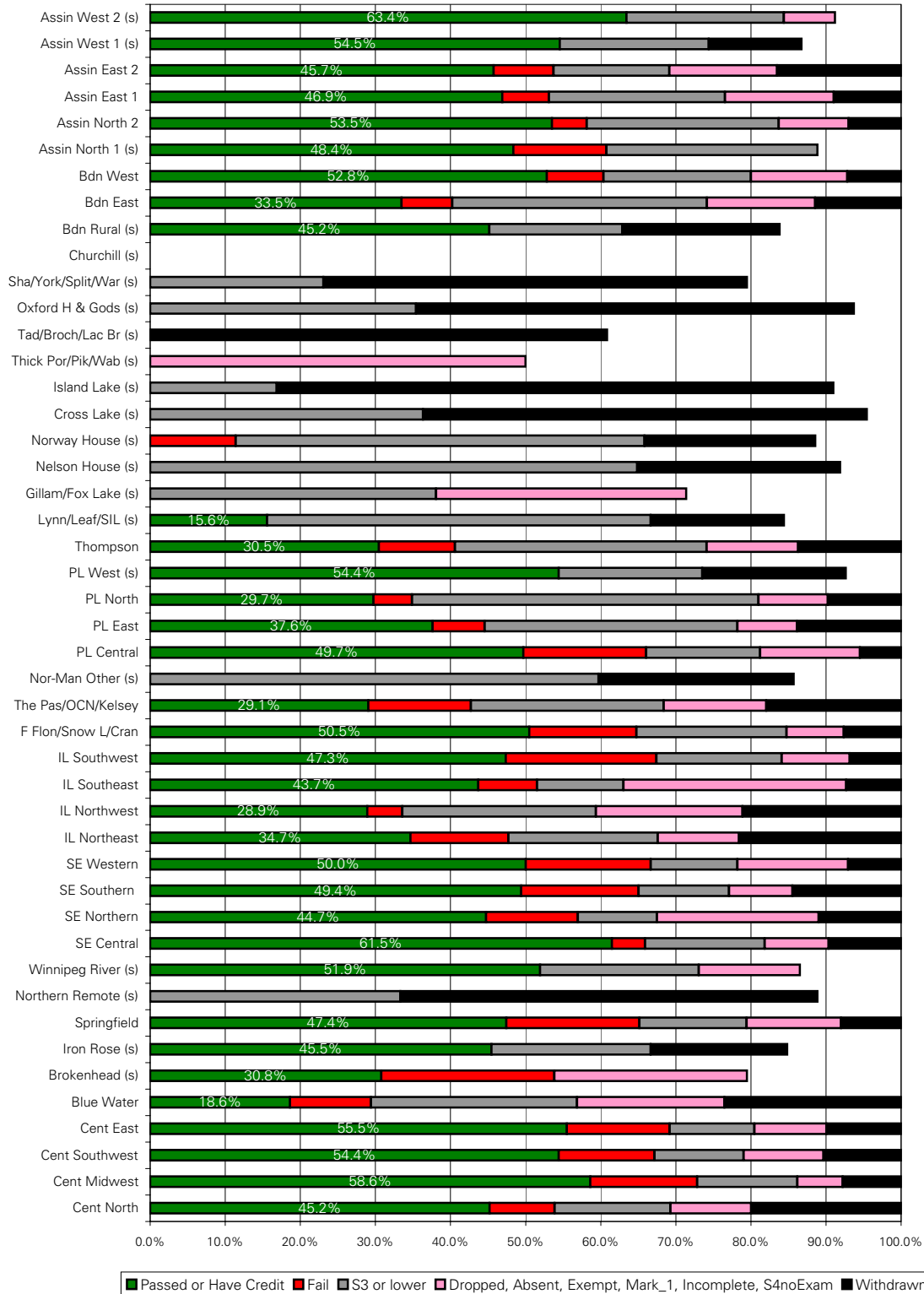
The first graph presented here (Graph - Left Side) reflects what the schools see when they review the performance of students taking the math standards tests: the percent of students who passed the exam ranged from 94% to 51%. However, these numbers only represent part of the story because they are selectively reporting results for students who are in school, in Grade 12, and writing the standards tests. The larger question is: What happens when we focus on who should have been writing the standards test at that time? This very different story is told by the second graph (Graph - Right Side). To develop this graph we first identified all children who were born in Manitoba in 1984, and who remained in Manitoba until 2001/02 (84%), and who should have been writing the Grade 12 exam in the 2001/02 school year. The second graph depicts this very different reality: the percent who passed now ranges from 63% to 16% (districts with suppressed data not included here). About 11% to 60% were behind at least one year (in Grade 11 (S3) or lower), and 6% to 74% had withdrawn from school (not enrolled in school for at least 2 years). Many of the students, particularly those from less advantaged areas, had not yet made it to Grade 12, and many were not in school at all. Both graphs show the Manitoba areas ordered by SES, with the most advantaged areas at the top of the graph and the least advantaged areas at the bottom of the graph. Note that an estimated number of students expected to be enrolled in band-operated schools were removed from the analysis.¹

¹Some students in the 18 year cohort were enrolled in a band operated school in 2001/02. Enrollment data for band-operated schools is only partially reported to the provincial Education Information System (EIS). Students in band-operated schools and not in EIS enrollment data would be misclassified as withdrawn, so an estimated

Grade 12 (S4) Math Standards Test Performance, by District, 2001/02
 (Pass/Fail rates of all test writers, regardless of age)



Grade 12 (S4) Math Standards Test Performance, by RHA, 2001/02
 (cohort of children born in 1984, expected to be in S4 in 01/02)



2001/02 S4 MATH Standards Tests Writers: RURAL (excl. BAND operated schools)

RHA	rhaD	Passed	Failed	other	Total Pass/ Fail	Pass	Fail	
Cent North	A1	312	62	74	374	83.4%	16.6%	100.0%
Cent Midwest	A2	161	36	37	197	81.7%	18.3%	100.0%
Cent Southwest	A3	214	51	65	265	80.8%	19.2%	100.0%
Cent East	A4	156	46	81	202	77.2%	22.8%	100.0%
Blue Water	BN1	22	10	28	32	68.8%	31.3%	100.0%
Brokenhead	BN2	24	23	31	47	51.1%	48.9%	100.0%
Iron Rose (s)	BN4	s	s	14	15	s	s	s
Springfield	BN5	94	42	33	136	69.1%	30.9%	100.0%
Northern Remote (s)	BN6	s	s	6	s	0.0%	0.0%	0.0%
Winnipeg River	BN7	30	6	14	36	83.3%	16.7%	100.0%
SE Central	BS1	207	23	55	230	90.0%	10.0%	100.0%
SE Northern	BS2	92	35	115	127	72.4%	27.6%	100.0%
SE Southern	BS3	31	14	37	45	68.9%	31.1%	100.0%
SE Western	BS4	98	28	41	126	77.8%	22.2%	100.0%
IL Northeast	C1	63	26	26	89	70.8%	29.2%	100.0%
IL Northwest	C2	32	7	36	39	82.1%	17.9%	100.0%
IL Southeast	C3	172	42	109	214	80.4%	19.6%	100.0%
IL Southwest	C4	148	63	32	211	70.1%	29.9%	100.0%
F Flon/Snow L/Cran	D1	66	30	45	96	68.8%	31.3%	100.0%
The Pas/OCN/Kelsey	D2	66	26	56	92	71.7%	28.3%	100.0%
Nor-Man Other (s)	D4	s	s	15	12	s	s	s
PL Central	E1	105	35	41	140	75.0%	25.0%	100.0%
PL East	E2	40	10	20	50	80.0%	20.0%	100.0%
PL North	E3	85	20	50	105	81.0%	19.0%	100.0%
PL West (s)	E4	s	s	s	s	0.0%	0.0%	0.0%
Thompson	FB2	67	32	81	99	67.7%	32.3%	100.0%
Lynn/Leaf/SIL	FB3	10	7	8	17	58.8%	41.2%	100.0%
Gillam/Fox Lake (s)	FB4	s	s	8	9	s	s	s
Nelson House (s)	FB5	s	s	s	s	0.0%	0.0%	0.0%
Norway House (s)	FB6	s	s	17	s	0.0%	0.0%	0.0%
Cross Lake (s)	FB7	s	s	7	s	0.0%	0.0%	0.0%
Island Lake (s)	FB8	s	s	9	s	0.0%	0.0%	0.0%
Thick Por/Pik/Wab (s)	FB9	s	s	8	s	0.0%	0.0%	0.0%
Tad/Broch/Lac Br (s)	FBA	s	s	s	s	0.0%	0.0%	0.0%
Oxford H & Gods (s)	FBB	s	s	s	s	0.0%	0.0%	0.0%
Sha/York/Split/War (s)	FBC	s	s	s	s	0.0%	0.0%	0.0%
Churchill (s)	FC	s	s	s	6	s	s	s
Bdn Rural (s)	G1	s	s	21	s	0.0%	0.0%	0.0%
Bdn East	G2E	113	20	60	133	85.0%	15.0%	100.0%
Bdn West	G2W	195	34	64	229	85.2%	14.8%	100.0%
Assin North 1	GA11	105	22	22	127	82.7%	17.3%	100.0%
Assin North 2	GA12	83	12	28	95	87.4%	12.6%	100.0%
Assin East 1	GA21	91	13	29	104	87.5%	12.5%	100.0%
Assin East 2	GA22	108	23	33	131	82.4%	17.6%	100.0%
Assin West 1 (s)	GA31	s	s	14	99	s	s	s
Assin West 2	GA32	167	11	30	178	93.8%	6.2%	100.0%

2001/02 S4 MATH Test: Pass/Fail among 1984 Birth Cohort by Rural RHA (Exclude BAND Schools) in 2001

rha01	rhaD	Passed or Have_Cr edit	Failed	in S3	Dropped, Absent, Exempt, Mark_1, Incomplete, S4noExam	Withdrawn	Total	Passed or Have Credit	Fail
Cent North	A1	240	46	82	57	106	531	45.2%	8.7%
Cent Midwest	A2	136	33	31	14	18	232	58.6%	14.2%
Cent Southwest	A3	179	42	39	35	34	329	54.4%	12.8%
Cent East	A4	162	40	33	28	29	292	55.5%	13.7%
Blue Water	BN1	19	11	28	20	24	102	18.6%	10.8%
Brokenhead (s)	BN2	24	18	s	20	s	78	30.8%	23.1%
Iron Rose (s)	BN4	15	s	7	s	6	33	45.5%	s
Springfield	BN5	83	31	25	22	14	175	47.4%	17.7%
Northern Remote (s)	BN6	s	s	21	s	35	63	s	s
Winnipeg River (s)	BN7	27	s	11	7	s	52	51.9%	s
SE Central	BS1	166	12	43	23	26	270	61.5%	4.4%
SE Northern	BS2	106	29	25	51	26	237	44.7%	12.2%
SE Southern	BS3	41	13	10	7	12	83	49.4%	15.7%
SE Western	BS4	78	26	18	23	11	156	50.0%	16.7%
IL Northeast	C1	61	23	35	19	38	176	34.7%	13.1%
IL Northwest	C2	37	6	33	25	27	128	28.9%	4.7%
IL Southeast	C3	156	28	41	106	26	357	43.7%	7.8%
IL Southwest	C4	125	53	44	24	18	264	47.3%	20.1%
F Flon/Snow L/Cran	D1	53	15	21	8	8	105	50.5%	14.3%
The Pas/OCN/Kelsey	D2	34	16	30	16	21	117	29.1%	13.7%
Nor-Man Other (s)	D4	s	s	46	s	20	77	s	s
PL Central	E1	82	27	25	22	9	165	49.7%	16.4%
PL East	E2	38	7	34	8	14	101	37.6%	6.9%
PL North	E3	58	10	90	18	19	195	29.7%	5.1%
PL West (s)	E4	37	s	13	s	13	68	54.4%	s
Thompson	FB2	60	20	66	24	27	197	30.5%	10.2%
Lynn/Leaf/SIL (s)	FB3	7	s	23	s	8	45	15.6%	s
Gillam/Fox Lake (s)	FB4	s	s	8	7	s	21	s	s
Nelson House (s)	FB5	s	s	24	s	10	37	s	0.0%
Norway House (s)	FB6	s	9	43	s	18	79	s	11.4%
Cross Lake (s)	FB7	s	s	8	s	13	22	s	0.0%
Island Lake (s)	FB8	s	s	15	s	66	89	s	s
Thick Por/Pik/Wab (s)	FB9	s	s	s	7	s	14	s	s
Tad/Broch/Lac Br (s)	FBA	s	s	s	s	14	23	s	0.0%
Oxford H & Gods (s)	FBB	s	s	17	s	28	48	s	s
Sha/York/Split/War (s)	FBC	s	s	9	s	22	39	s	s
Churchill (s)	FC	s	s	s	s	s	14	s	s
Bdn Rural (s)	G1	28	s	11	s	13	62	45.2%	s
Bdn East	G2E	79	16	80	34	27	236	33.5%	6.8%
Bdn West	G2W	140	20	52	34	19	265	52.8%	7.5%
Assin North 1 (s)	GA11	74	19	43	s	s	153	48.4%	12.4%
Assin North 2	GA12	69	6	33	12	9	129	53.5%	4.7%
Assin East 1	GA21	68	9	34	21	13	145	46.9%	6.2%
Assin East 2	GA22	86	15	29	27	31	188	45.7%	8.0%
Assin West 1 (s)	GA31	66	s	24	s	15	121	54.5%	s
Assin West 2 (s)	GA32	130	s	43	14	s	205	63.4%	s

S3 or lower	Dropped, Absent, Exempt, Mark_1, Incomplete, S4noExam	Withdrawn	Total
15.4%	10.7%	20.0%	100.0%
13.4%	6.0%	7.8%	100.0%
11.9%	10.6%	10.3%	100.0%
11.3%	9.6%	9.9%	100.0%
27.5%	19.6%	23.5%	100.0%
s	25.6%	s	79.5%
21.2%	s	18.2%	84.8%
14.3%	12.6%	8.0%	100.0%
33.3%	s	55.6%	88.9%
21.2%	13.5%	s	86.5%
15.9%	8.5%	9.6%	100.0%
10.5%	21.5%	11.0%	100.0%
12.0%	8.4%	14.5%	100.0%
11.5%	14.7%	7.1%	100.0%
19.9%	10.8%	21.6%	100.0%
25.8%	19.5%	21.1%	100.0%
11.5%	29.7%	7.3%	100.0%
16.7%	9.1%	6.8%	100.0%
20.0%	7.6%	7.6%	100.0%
25.6%	13.7%	17.9%	100.0%
59.7%	s	26.0%	85.7%
15.2%	13.3%	5.5%	100.0%
33.7%	7.9%	13.9%	100.0%
46.2%	9.2%	9.7%	100.0%
19.1%	s	19.1%	92.6%
33.5%	12.2%	13.7%	100.0%
51.1%	s	17.8%	84.4%
38.1%	33.3%	s	71.4%
64.9%	s	27.0%	91.9%
54.4%	s	22.8%	88.6%
36.4%	s	59.1%	95.5%
16.9%	s	74.2%	91.0%
s	50.0%	s	50.0%
s	s	60.9%	60.9%
35.4%	s	58.3%	93.8%
23.1%	s	56.4%	79.5%
s	s	s	0.0%
17.7%	s	21.0%	83.9%
33.9%	14.4%	11.4%	100.0%
19.6%	12.8%	7.2%	100.0%
28.1%	s	s	88.9%
25.6%	9.3%	7.0%	100.0%
23.4%	14.5%	9.0%	100.0%
15.4%	14.4%	16.5%	100.0%
19.8%	s	12.4%	86.8%
21.0%	6.8%	s	91.2%