

HWDSB

Appendix B - 2021-2022 Disproportionality Tables

Results for all students in the dataset are presented in Table 1.

Table 2 includes only students at the elementary level (grades JK to 8), and

Table 3 displays data for students at the secondary level (grades 9-12).

Each identity group was compared with all students in four areas:

- 1) proportion of students with a high score on the Well-being index,
- 2) proportion of students suspended one or more times,
- 3) the average number of absences, and
- 4) average report card grades.

We used statistical tests to see if identity groups had different outcomes from the board average that were unlikely to happen by chance. The chi-square (χ^2) test checks if group proportions are different, while the t-test checks if group averages are different. Differences are marked in the tables (*) if they were higher or lower enough than the board average to be significant ($\alpha = 0.05$), and there were enough students in those groups to run the tests.

We didn't show any groups with less than 50 students because they were too small for the tests.

For the data you see here, if a test is significant, that group probably has a disproportionate outcome, but we can't take that at face value. There are other things going on. These tables are meant to highlight where disproportionalities might exist and help us ask questions to study them more closely in the proper context.

Table 1: All Students

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
HWDSB	23936	2606	22.9	1027	4.29	17.23	16.64	77.66	11.18
Disability									
No	17904	2288	26.7*	624	3.49*	15.76*	14.64	79.02*	10.28
Not Sure	1761	63	6.5*	95	5.39	20.39*	18.45	74.98*	12.03
Yes	2512	125	11.8*	195	7.76*	22.77*	23.23	72.32*	13.55
ADHD	1245	53	9.2*	115	9.24*	22.44*	24.35	72.36*	11.99
Addiction	257	4	3.2*	40	15.56*	29.33*	22.95	69.45*	14.21
Autism	345	10	9.8	15	4.35	28.70*	39.54	70.41*	15.28
Chronic Condition	211	14	14.0	8	3.79	26.74*	21.66	75.60	13.40
Developmental	163	—	—	13	7.98	27.07*	28.03	68.26*	17.23
Hearing	197	9	10.1	17	8.63	24.49	27.66	71.82*	12.29
Learning	725	39	12.9	65	8.97*	24.24*	22.02	70.34*	14.75
Memory	359	7	3.8*	41	11.42*	25.47*	22.87	69.97*	14.28
Mental	1003	19	3.6*	78	7.78*	24.83*	22.73	74.39*	14.21
Other	75	—	—	5	6.67	23.67	21.90	69.41*	16.86
Pain	239	9	7.1	30	12.55*	24.07*	18.69	72.33*	13.49
Physical	169	9	13.2	9	5.33	23.74*	19.68	71.68*	15.48
Sight	328	13	7.4*	21	6.40	24.60	34.56	74.14*	13.97
Speech	374	17	15.0	22	5.88	23.10*	20.14	69.95*	13.63
Gender									
Bigender	85	—	—	6	7.06	22.28	18.74	73.31	16.25
Boy/Man	10925	1338	27.5*	660	6.04*	17.14	17.01	76.38*	10.83
Genderfluid	207	4	3.1*	9	4.35	22.03	19.67	75.68	12.54
Girl/Woman	10783	1163	21.5*	243	2.25*	16.48*	15.44	79.62*	10.77
Non-binary	453	9	3.3*	19	4.19	23.04*	20.45	75.44	14.21
Nonconforming	96	—	—	3	3.12	23.41	21.97	75.59	14.54
Not Sure	197	4	4.0*	14	7.11	21.28	18.24	73.95	13.72
Other	134	4	5.2	9	6.72	26.84	24.99	73.73	13.62
Questioning	382	11	4.5	16	4.19	20.97	21.44	78.70	13.88
Home Language									
Arabic	1408	150	24.1	100	7.10*	15.69	14.35	76.23*	10.91
Bengali	128	13	20.3	4	3.12	15.05	15.37	80.02	15.13
Cantonese	128	12	14.6	2	1.56	7.51*	9.19	82.53*	12.39

Table 1: All Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
English	19080	2107	22.9	740	3.88	17.46	16.70	78.00	10.97
Farsi	158	20	25.3	5	3.16	15.50	14.04	77.38	11.34
Gujarati	145	20	33.3	0	0.00	10.20*	12.99	82.44*	11.17
Korean	143	18	23.4	4	2.80	11.56	23.32	81.76*	10.62
Mandarin	284	22	14.6	2	0.70	6.62*	8.79	85.73*	9.75
Punjabi	424	73	34.9	17	4.01	12.60*	11.82	81.08*	9.19
Serbian	266	52	39.4*	7	2.63	15.74	12.70	80.49*	9.89
Spanish	270	28	21.2	12	4.44	20.09	17.54	75.87	10.93
Turkish	121	11	20.8	8	6.61	17.74	15.98	75.97	12.41
Urdu	665	68	22.7	12	1.80	16.23	12.60	79.52*	9.47
Vietnamese	203	11	11.3	6	2.96	12.54*	15.70	80.07	11.59
Indigenous									
First Nations	547	43	15.4	58	10.60*	25.91*	22.92	71.55*	14.51
Inuit	50	—	—	7	14.00	20.89	19.29	72.14	14.77
Metis	112	9	17.0	9	8.04	20.52	18.90	75.84	14.60
Not Indigenous	19575	2190	23.8	694	3.55*	16.44*	15.99	78.59*	10.75
Race									
Black	1831	126	16.3	139	7.59*	18.33	18.90	74.68*	11.44
East Asian	1120	93	16.2	13	1.16*	10.21*	14.53	82.39*	11.06
Latino/a/x	499	52	23.0	20	4.01	21.56*	21.54	75.93	13.15
Middle Eastern	2211	225	23.0	126	5.70	16.50	14.92	76.64*	10.97
South Asian	2221	286	27.8	50	2.25*	14.17*	13.18	80.63*	9.94
Southeast Asian	802	55	14.2	12	1.50	12.78*	14.17	79.07	10.75
White	13985	1656	24.3	528	3.78	17.95*	16.92	78.12	10.88
Religion									
Agnostic	1691	114	14.9*	42	2.48	18.84	22.09	78.90*	11.03
Atheist	1903	139	13.6*	81	4.26	16.84	16.24	79.12*	11.51
Buddhist	346	24	13.7	8	2.31	13.23*	17.39	80.53	9.95
Christian	5086	682	28.9*	171	3.36	15.70*	14.67	79.19*	10.34
Hindu	552	73	32.7	9	1.63	12.03*	13.04	82.17*	9.40
Indigenous Spirituality	134	4	7.4	13	9.70	29.47*	24.55	69.37*	17.44
Jehovah's Witness	72	—	—	2	2.78	15.99	10.36	78.47	13.05
Jewish	209	30	28.6	10	4.78	14.70	12.64	80.47*	8.39

Table 1: All Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
Muslim	3804	402	23.9	190	4.99	16.31	14.46	77.00	10.66
No religion	3555	433	23.7	132	3.71	16.90	15.75	78.00	10.97
Other	1432	87	17.5	47	3.28	20.07*	22.05	77.24	10.58
Pagan	99	—	—	7	7.07	23.66	22.43	72.86	16.63
Sikh	418	71	34.1	18	4.31	12.26*	11.09	81.17*	8.78
Wiccan	98	—	—	3	3.06	24.78	25.98	74.08	14.50
Sexual Orientation									
Asexual	734	77	17.8	34	4.63	16.64	16.58	77.06	11.44
Bisexual	1242	43	5.8*	87	7.00*	21.06*	19.16	76.16*	12.76
Gay or Lesbian	390	14	6.1*	23	5.90	21.58*	18.09	74.70*	14.00
Heterosexual	10685	1504	25.7*	539	5.04	16.28*	15.99	79.12*	11.13
Pansexual	570	11	3.0*	29	5.09	23.80*	21.59	74.53*	13.45
Queer	266	3	2.1*	9	3.38	19.75	20.25	81.36*	11.01
Questioning	2067	250	19.9	92	4.45	16.12	15.22	78.50	10.96
Transgender									
No	20044	2307	24.2	802	4.00	16.69	16.08	78.28	10.81
Not Sure	802	58	12.9	46	5.74	19.40	18.64	75.33*	11.30
Yes	559	20	7.1*	37	6.62	21.89	19.68	73.76*	14.17

Note:

All rows with fewer than 50 students are combined or removed

* $p < 0.05$ with Bonferroni Correction

† Not all students completed both We All Count and the MDI; when less than 50 values are suppressed (—)

Table 2: Elementary Students

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
HWDSB	13058	1933	27.4	698	5.35	18.10	15.78	76.58	10.19
Disability									
No	9837	1681	31.3*	421	4.28*	16.65*	13.52	77.72*	9.29
Not Sure	952	51	8.8*	71	7.46	20.98*	16.89	74.07*	11.59
Yes	1295	99	16.7*	133	10.27*	24.77*	24.35	71.51*	12.74
ADHD	601	39	13.5*	78	12.98*	23.46*	26.12	71.70*	11.58
Addiction	89	3	5.4	16	17.98*	26.54*	19.19	69.52*	15.41
Autism	172	—	—	9	5.23	33.24*	45.52	68.76*	15.64
Chronic Condition	102	—	—	5	4.90	29.28*	20.36	73.78	12.83
Developmental	103	—	—	9	8.74	29.06*	27.83	69.17*	12.30
Hearing	101	7	14.0	9	8.91	27.08	29.84	71.87*	11.86
Learning	398	32	17.6	41	10.30*	26.88*	22.41	69.68*	14.72
Memory	189	4	3.8*	22	11.64	25.92*	22.41	69.80*	13.78
Mental	312	14	6.9*	46	14.74*	26.23*	20.21	72.47*	15.90
Pain	104	5	7.5	16	15.38*	26.13*	17.10	72.19	11.91
Physical	86	—	—	4	4.65	27.76*	20.65	71.40	12.28
Sight	159	11	10.5	12	7.55	26.99	42.10	73.85	14.49
Speech	230	16	20.3	15	6.52	24.41*	19.55	70.20*	11.74
Gender									
Boy/Man	6081	989	32.0*	463	7.61*	18.19	16.59	75.58*	10.02
Genderfluid	88	3	4.3	6	6.82	23.90	19.56	74.19	12.94
Girl/Woman	5829	860	26.0	153	2.62*	17.30	14.25	78.15*	9.70
Non-binary	187	5	3.8*	9	4.81	24.82*	18.53	73.72	14.13
Not Sure	113	3	4.5	11	9.73	21.74	17.89	74.13	11.75
Other	110	2	2.9	10	9.09	27.03	22.27	72.15	15.89
Questioning	150	5	4.6*	12	8.00	25.36*	22.17	75.06	15.52
Home Language									
Arabic	789	124	28.1	66	8.37	15.50*	12.34	75.91	9.46
Bengali	57	—	—	3	5.26	16.61	15.73	76.33	18.10
Cantonese	63	—	—	1	1.59	8.18*	8.37	79.31	13.81
English	10384	1552	27.7	501	4.82	18.50	15.86	76.82	10.07
Farsi	95	18	31.0	4	4.21	14.46	11.45	76.50	9.53
Gujarati	74	—	—	0	0.00	11.66	14.62	79.72	11.47

Table 2: Elementary Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
Korean	51	—	—	2	3.92	15.18	32.36	78.99	9.75
Mandarin	110	15	23.1	1	0.91	8.10*	8.89	82.19*	10.35
Punjabi	204	49	43.8	15	7.35	13.61*	10.92	78.40	7.72
Serbian	145	39	50.0	5	3.45	16.13	11.06	79.57	9.05
Spanish	145	20	25.0	6	4.14	21.61	17.75	75.52	10.31
Turkish	66	—	—	5	7.58	17.34	14.71	76.49	11.82
Urdu	366	51	27.4	8	2.19	17.54	12.08	77.81	9.01
Vietnamese	82	—	—	5	6.10	12.97	16.90	77.74	12.40
Indigenous									
First Nations	269	33	18.6	33	12.27*	25.38*	19.23	72.99*	13.81
Not Indigenous	10220	1578	29.3	473	4.63	17.67	15.50	77.20*	9.74
Other	56	—	—	7	12.50	21.48	17.46	73.32	14.19
Race									
Black	964	87	17.5*	100	10.37*	18.67	18.14	74.41*	11.00
East Asian	514	59	20.4	9	1.75	10.98*	13.97	79.68*	10.42
Latino/a/x	258	38	29.2	13	5.04	22.14	20.72	75.14	12.73
Middle Eastern	1232	178	26.3	82	6.66	16.51*	13.07	76.23	9.55
South Asian	1186	215	34.3	41	3.46	15.47*	12.46	78.56*	9.29
Southeast Asian	396	37	17.2	10	2.53	13.09*	13.37	77.94	9.69
White	7370	1198	29.7	335	4.55	19.16*	16.15	76.98	9.94
Religion									
Agnostic	676	70	22.2	22	3.25	20.43	24.20	76.74	9.80
Atheist	681	74	17.9	41	6.02	19.80	16.09	77.11	10.69
Buddhist	167	18	18.4	7	4.19	12.33*	15.32	78.96*	6.13
Christian	2776	475	33.3*	119	4.29	16.80*	13.80	77.86*	9.13
Hindu	277	53	41.4	9	3.25	13.09*	11.46	80.09*	8.77
Indigenous Spirituality	76	—	—	8	10.53	29.54*	20.37	69.99	16.21
Jewish	117	22	32.8	7	5.98	15.93	10.13	79.48*	6.05
Muslim	2232	324	27.7	135	6.05	16.84*	13.34	76.23	9.89
No religion	1926	317	28.8	91	4.72	18.22	15.01	77.02	10.04
Other	774	70	24.1	32	4.13	20.75	22.87	75.45	10.68
Sikh	217	47	39.8	16	7.37	13.20	10.29	78.74	6.96
Sexual Orientation									

Table 2: Elementary Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
Asexual	428	74	25.3	17	3.97	16.79*	14.97	76.83*	10.79
Bisexual	482	26	7.3	50	10.37	22.50	17.18	75.33	12.13
Gay or Lesbian	171	7	5.5*	12	7.02*	22.50*	16.65	73.24	14.37
Heterosexual	4542	952	30.6*	349	7.68	18.19	14.97	77.47	10.32
Other	51	—	—	6	11.76*	27.70	25.87	77.15*	8.67
Pansexual	258	5	2.5	19	7.36	24.84	18.54	74.26	13.47
Questioning	1322	214	24.2*	70	5.30	16.81*	14.17	77.59	10.21
Transgender									
No	10866	1693	28.8*	547	5.03	17.70*	15.25	77.06	9.89
Not Sure	514	49	15.9	31	6.03	19.27	17.60	74.96	9.54
Yes	238	15	11.2	22	9.24	22.52	16.82	73.20	13.22

Note:

All rows with fewer than 50 students are combined or removed

* $p < 0.05$ with Bonferroni Correction

† Not all students completed both We All Count and the MDI; when less than 50 values are suppressed (—)

Table 3: Secondary Students

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
HWDSB	7890	641	15.4	302	3.83	15.47	17.23	79.45	12.45
Disability									
No	5781	582	18.9*	187	3.23	13.96*	15.64	81.22*	11.44
Not Sure	612	11	3.0*	24	3.92	19.26*	20.25	76.40*	12.56
Other	56	—	—	5	8.93	19.62	21.07	66.43*	24.27
Yes	892	24	5.4*	55	6.17	19.21*	20.11	73.51*	14.58
ADHD	498	13	4.7*	32	6.43	20.26*	20.62	73.15*	12.44
Addiction	136	1	1.5	22	16.18*	29.92*	23.22	69.41*	13.42
Autism	100	1	1.9	4	4.00	20.97	25.27	73.25*	14.28
Chronic Condition	91	—	—	3	3.30	23.81	22.70	77.63	13.80
Hearing	69	—	—	6	8.70	20.01	22.72	71.76*	12.98
Learning	245	6	5.3	21	8.57	18.98	18.56	71.41*	14.77
Memory	139	3	4.1	17	12.23*	24.47*	23.16	70.21*	14.99
Mental	553	5	1.6*	30	5.42	23.23*	22.28	75.48*	13.05
Pain	111	4	7.0	13	11.71*	22.20	20.26	72.47*	14.87
Physical	68	—	—	5	7.35	18.18	17.33	72.04	18.86
Sight	132	2	3.0	8	6.06	20.76	20.68	74.49*	13.35
Speech	72	—	—	6	8.33	19.35	21.84	69.17*	18.49
Gender									
Boy/Man	3500	332	19.4*	181	5.17*	15.06	17.08	77.78*	11.98
Genderfluid	98	1	1.8	2	2.04	20.08	19.73	77.02	12.09
Girl/Woman	3546	290	14.3	86	2.43*	14.80	16.42	82.04*	11.94
Non-binary	214	4	3.0	8	3.74	20.64	20.66	76.95	14.13
Nonconforming	56	—	—	2	3.57	21.89	20.80	75.90	16.43
Not Sure	57	—	—	2	3.51	20.21	19.41	73.59	17.08
Other	101	1	1.9	3	2.97	23.29	23.56	75.05*	12.18
Questioning	203	6	4.5	4	1.97	17.52	19.65	81.39	11.87
Home Language									
Arabic	409	23	14.1	31	7.58	15.78	17.31	76.86	13.25
Bengali	53	—	—	1	1.89	13.36	14.95	83.99	9.81
Cantonese	50	—	—	1	2.00	6.50*	10.16	86.57*	8.93
English	6363	537	15.4	223	3.50	15.46	17.17	79.94	12.06
Korean	63	—	—	2	3.17	8.59*	12.05	84.01	10.84

Table 3: Secondary Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
Mandarin	118	6	7.3	1	0.85	5.34*	8.56	89.03*	7.86
Other	118	6	11.8	3	2.54	14.93	16.32	80.64*	13.43
Punjabi	173	23	24.7	2	1.16	11.09*	12.52	84.24*	9.79
Serbian	99	13	24.1	2	2.02	15.00	14.78	81.84	10.92
Spanish	87	—	—	5	5.75	17.44	17.35	76.45	11.92
Urdu	219	16	14.5	4	1.83	13.90	12.94	82.40*	9.54
Vietnamese	94	—	—	1	1.06	11.67	13.05	82.09	10.50
Indigenous									
First Nations	215	9	9.7	22	10.23*	25.47*	25.57	69.74*	15.18
Metis	58	—	—	4	6.90	19.26	19.54	77.46	14.02
Not Indigenous	6731	588	16.1	203	3.02	14.32*	15.93	80.70*	11.82
Race									
Black	565	33	13.3	34	6.02	17.40	19.48	75.14*	12.16
East Asian	413	32	11.8	4	0.97	8.84*	13.76	85.77*	10.92
Latino/a/x	176	14	15.2	7	3.98	20.44	22.74	77.08	13.69
Middle Eastern	654	42	15.1	39	5.96	16.20	17.31	77.41	13.21
South Asian	729	64	16.8	9	1.23	11.85*	13.59	83.99*	10.05
Southeast Asian	288	17	10.1	2	0.69	11.87*	14.51	80.63	11.90
White	4946	452	16.6	180	3.64	15.82	17.11	79.83	11.94
Religion									
Agnostic	751	43	9.9	18	2.40	16.92	18.84	80.84	11.70
Atheist	1028	65	10.8	38	3.70	14.62	15.24	80.45	11.85
Buddhist	126	5	6.8	0	0.00	13.77	18.97	82.60	13.18
Christian	1606	200	22.2*	48	2.99	13.44*	15.17	81.50*	11.79
Hindu	160	16	18.8	0	0.00	9.48*	13.53	85.78*	9.40
Jewish	67	—	—	1	1.49	12.74	15.98	82.19	11.24
Muslim	1071	68	14.5	51	4.76	15.00	16.08	78.61	11.96
No religion	1242	114	16.2	39	3.14	14.61	16.02	79.52	12.12
Other	522	30	10.3	28	5.36	19.49	20.65	78.58	13.01
Sikh	157	23	26.4	2	1.27	10.78	11.95	84.53*	9.88
Wiccan	59	—	—	3	5.08	21.27*	24.40	75.83*	11.48
Sexual Orientation									
Asexual	252	2	1.5	16	6.35	16.39	19.15	77.47	12.48

Table 3: Secondary Students (*continued*)

	Students	Well-being †		Suspensions		Absences		Grades	
	n	Count	%	Count	%	Mean	Std. Dev.	Mean	Std. Dev.
Bisexual	620	16	4.3*	33	5.32	19.33	20.01	76.81	13.20
Gay or Lesbian	171	7	7.0*	11	6.43	19.73*	17.58	76.15*	13.51
Heterosexual	5112	535	20.1	176	3.44	14.33	16.07	80.59	11.61
Pansexual	269	6	3.6*	9	3.35	21.62	22.61	74.79*	13.46
Queer	176	3	2.9	3	1.70	17.42*	17.27	82.49*	11.31
Questioning	594	34	9.5	19	3.20	14.63	17.26	80.52	12.24
Transgender									
No	6604	589	16.8	237	3.59	14.70	16.50	80.28	11.91
Not Sure	216	8	5.9	12	5.56	19.47	21.08	76.19*	14.64
Yes	251	3	2.1	13	5.18	21.27	21.53	74.29	15.03

Note:

All rows with fewer than 50 students are combined or removed

* $p < 0.05$ with Bonferroni Correction

† Not all students completed both We All Count and the MDI; when less than 50 values are suppressed (—)