

Accountability Pillar Overall Summary
Annual Education Results Reports - Oct 2017
Authority: 3050 Medicine Hat School District No. 76



Measure Category	Measure	Medicine Hat Sch Dist No. 76			Alberta		Measure Evaluation		
		Current Result	Prev Year Result	Prev 3 Year Average	Current Result	Prev Year Result	Achievement	Improvement	Overall
Safe and Caring Schools	Safe and Caring	86.0	87.2	87.5	89.5	89.5	High	Declined	Acceptable
	Program of Studies	81.9	84.8	85.5	81.9	81.9	Very High	Declined Significantly	Acceptable
	Education Quality	88.5	90.3	89.7	90.1	90.1	High	Declined	Acceptable
	Drop Out Rate	3.4	3.2	3.6	3.0	3.2	High	Maintained	Good
Student Learning Opportunities	High School Completion Rate (3 yr)	72.1	77.1	75.7	77.9	76.5	Intermediate	Declined	Issue
	PAT: Acceptable	67.9	72.8	72.4	73.4	73.6	Low	Declined Significantly	Concern
	PAT: Excellence	11.0	12.1	12.4	19.5	19.4	Low	Maintained	Issue
	Diploma: Acceptable	77.8	77.6	78.8	83.0	82.7	Low	Maintained	Issue
Student Learning Achievement (Grades K-9)	Diploma: Excellence	13.3	12.1	12.1	22.2	21.2	Intermediate	Maintained	Acceptable
	Diploma Exam Participation Rate (4+ Exams)	42.4	54.6	51.0	54.9	54.6	Low	Declined Significantly	Concern
	Rutherford Scholarship Eligibility Rate	52.3	54.8	54.8	62.3	60.8	n/a	Maintained	n/a
	Transition Rate (6 yr)	56.1	55.8	55.6	57.9	59.4	Intermediate	Maintained	Acceptable
Preparation for Lifelong Learning, World of Work, Citizenship	Work Preparation	79.9	81.6	81.9	82.7	82.6	High	Maintained	Good
	Citizenship	79.2	80.9	81.3	83.7	83.9	High	Declined	Acceptable
	Parental Involvement	79.5	82.3	80.9	81.2	80.9	High	Maintained	Good
	School Improvement	81.3	82.2	82.2	81.4	81.2	Very High	Maintained	Excellent

Notes:

1. Data values have been suppressed where the number of respondents/students is fewer than 6. Suppression is marked with an asterisk (*).
2. Overall evaluations can only be calculated if both improvement and achievement evaluations are available.
3. Results for the ACOL measures are available in the detailed report: see "ACOL Measures" in the Table of Contents.
4. Survey results for the province and school authorities were impacted by the changes in the number of students responding to the survey through the introduction of the OurSCHOOL/TTFM (Tell Them From Me) survey in 2014.
5. Aggregated PAT results are based upon a weighted average of percent meeting standards (Acceptable, Excellence). The weights are the number of students enrolled in each course. Courses included: English Language Arts (Grades 6, 9, 9 KAE), Mathematics (Grades 6, 9, 9 KAE), Science (Grades 6, 9, 9 KAE), Social Studies (Grades 6, 9, 9 KAE).
6. Participation in Provincial Achievement Tests was impacted by the flooding in June 2013 (Grade 9 only) and by the fires in May to June 2016. Caution should be used when interpreting trends over time for the province and those school authorities affected by these events.
7. Aggregated Diploma results are a weighted average of percent meeting standards (Acceptable, Excellence) on Diploma Examinations. The weights are the number of students writing the Diploma Examination for each course. Courses included: English Language Arts 30-1, English Language Arts 30-2, French Language Arts 30-1, Français 30-1, Mathematics 30-1, Mathématiques 30-1, Chemistry 30, Biologie 30, Social Studies 30-1, Social Studies 30-2.
8. Caution should be used when interpreting evaluations and results over time for Mathematics 30-1/30-2, as equating was not in place until the 2016/17 school year. Alberta Education does not comment on province wide trends until it has five years of equated examination data.
9. Participation in Diploma Examinations was impacted by the flooding in June 2013 and by the fires in May to June 2016. Caution should be used when interpreting trends over time for the province and those school authorities affected by these events.
10. Weighting of school-awarded marks in diploma courses increased from 50% to 70% in the 2015/2016 school year. Caution should be used when interpreting trends over time.
11. Due to the change from previous data source systems to Provincial Approach to Student Information (PAS), Rutherford Scholarship Eligibility Rate results prior to 2015 are not available.

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Achievement Evaluation

Achievement evaluation is based upon a comparison of Current Year data to a set of standards which remain consistent over time. The Standards are calculated by taking the 3 year average of baseline data for each measure across all school jurisdictions and calculating the 5th, 25th, 75th and 95th percentiles. Once calculated, these standards remain in place from year to year to allow for consistent planning and evaluation.

The table below shows the range of values defining the 5 achievement evaluation levels for each measure.

Measure	Very Low	Low	Intermediate	High	Very High
Safe and Caring	0.00 - 77.62	77.62 - 81.05	81.05 - 84.50	84.50 - 88.03	88.03 - 100.00
Program of Studies	0.00 - 66.31	66.31 - 72.65	72.65 - 78.43	78.43 - 81.59	81.59 - 100.00
Education Quality	0.00 - 80.94	80.94 - 84.23	84.23 - 87.23	87.23 - 89.60	89.60 - 100.00
Drop Out Rate	100.00 - 9.40	9.40 - 6.90	6.90 - 4.27	4.27 - 2.79	2.79 - 0.00
High School Completion Rate (3 yr)	0.00 - 57.03	57.03 - 62.36	62.36 - 73.88	73.88 - 81.79	81.79 - 100.00
PAT: Acceptable	0.00 - 66.07	66.07 - 70.32	70.32 - 79.81	79.81 - 84.64	84.64 - 100.00
PAT: Excellence	0.00 - 9.97	9.97 - 13.44	13.44 - 19.56	19.56 - 25.83	25.83 - 100.00
Diploma: Acceptable	0.00 - 71.45	71.45 - 78.34	78.34 - 84.76	84.76 - 87.95	87.95 - 100.00
Diploma: Excellence	0.00 - 9.55	9.55 - 12.59	12.59 - 19.38	19.38 - 23.20	23.20 - 100.00
Diploma Exam Participation Rate (4+ Exams)	0.00 - 31.10	31.10 - 44.11	44.11 - 55.78	55.78 - 65.99	65.99 - 100.00
Transition Rate (6 yr)	0.00 - 39.80	39.80 - 46.94	46.94 - 56.15	56.15 - 68.34	68.34 - 100.00
Work Preparation	0.00 - 66.92	66.92 - 72.78	72.78 - 77.78	77.78 - 86.13	86.13 - 100.00
Citizenship	0.00 - 66.30	66.30 - 71.63	71.63 - 77.50	77.50 - 81.08	81.08 - 100.00
Parental Involvement	0.00 - 70.76	70.76 - 74.58	74.58 - 78.50	78.50 - 82.30	82.30 - 100.00
School Improvement	0.00 - 65.25	65.25 - 70.85	70.85 - 76.28	76.28 - 80.41	80.41 - 100.00

Notes:

- For all measures except Drop Out Rate: The range of values at each evaluation level is interpreted as greater than or equal to the lower value, and less than the higher value. For the Very High evaluation level, values range from greater than or equal to the lower value to 100%.
- Drop Out Rate measure: As "Drop Out Rate" is inverse to most measures (i.e. lower values are "better"), the range of values at each evaluation level is interpreted as greater than the lower value and less than or equal to the higher value. For the Very High evaluation level, values range from 0% to less than or equal to the higher value.

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Improvement Table

For each jurisdiction, improvement evaluation consists of comparing the Current Year result for each measure with the previous three-year average. A chi-square statistical test is used to determine the significance of the improvement. This test takes into account the size of the jurisdiction in the calculation to make improvement evaluation fair across jurisdictions of different sizes. The table below shows the definition of the 5 improvement evaluation levels based upon the chi-square result.

Evaluation Category	Chi-Square Range
Declined Significantly	3.84 + (current < previous 3-year average)
Declined	1.00 - 3.83 (current < previous 3-year average)
Maintained	less than 1.00
Improved	1.00 - 3.83 (current > previous 3-year average)
Improved Significantly	3.84 + (current > previous 3-year average)

Overall Evaluation Table

The overall evaluation combines the Achievement Evaluation and the Improvement Evaluation. The table below illustrates how the Achievement and Improvement evaluations are combined to get the overall evaluation.

		Achievement			
	Improvement	Very High	High	Intermediate	Low
	Improved Significantly	Excellent	Good	Good	Good
	Improved	Excellent	Good	Good	Acceptable
	Maintained	Excellent	Good	Acceptable	Issue
	Declined	Good	Acceptable	Issue	Issue
	Declined Significantly	Acceptable	Issue	Issue	Concern
					Concern

Category Evaluation

The category evaluation is an average of the Overall Evaluation of the measures that make up the category. For the purpose of the calculation, consider an Overall Evaluation of Excellent to be 2, Good to be 1, Acceptable to be 0, Issue to be -1, and Concern to be -2. The simple average (mean) of these values rounded to the nearest integer produces the Category Evaluation value. This is converted back to a colour using the same scale above (e.g. 2=Excellent, 1=Good, 0=Intermediate, -1=Issue, -2=Concern).