



Learning Model Re-Evaluation Matrix Background Information

To assist in determining the learning model that will provide our students with a safe and effective learning environment, the AASD will rely on **burden**, **trajectory**, and **composite** indicators from the City of Appleton and the Tri-County region, which includes Outagamie County, Calumet County, and Winnebago County.

The **composite** score is a combination of the burden and trajectory. A composite score of 'Low' will be needed for a fully in-person model. A composite score of 'Medium' is needed for a hybrid model, and a composite score of 'High' will result in a fully virtual model. We will need the composite indicator to be favorable for both the burden and the trajectory for us to consider changing our learning model.

Burden (case count) and **trajectory** (change in case rate) indicators are based on confirmed COVID-19 cases. Burden indicators are categorized as **low**, **moderate**, **moderately high**, or **high**, and trajectory indicators are categorized as **shrinking**, **no significant change**, or **growing**.

Below in yellow is our current status based on City of Appleton data as of 9-16-20.

Composite		Trajectory		
		Shrinking	No Significant Change	Growing
Burden	Low	Low	Low	Medium
	Moderate	Medium	Medium	High
	Moderately High	Medium	High	High
	High	High	High	High

Burden (case count) is the total number of cases per 100,000 residents in the last two weeks. Given that Appleton has a population of 75,000, we are using 75% of the 100,000 resident rate.

Burden Status	Value (per 75,000 Appleton residents in the past two weeks)
Low	Case count is less than or equal to 7
Moderate	Case count is greater than 8, but less than or equal to 37
Moderately High	Case count is greater than 38, but less than or equal to 75
High	Case count is greater than 75

Appleton is currently in the 'High' range. For us to go to the 'Moderately High' range we need a case rate of less than or equal to **75** for a 2-week period, which would equate to a weekly average of **37.5** new cases. The table below shows the last ten weeks of data.

Week Ending	7/12	7/19	7/26	8/2	8/9	8/16	8/23	8/30	9/6	9/13
New Cases	40	46	84	56	67	46	45	95	123	159
2-Week Total	74	86	130	140	123	113	91	140	218	282
Burden Status	Mod High	High	High	High	High	High	High	High	High	High

Trajectory (change in case rate) is the percent change from the previous week to the current week.

Trajectory Status	Value (change from prior week)
Shrinking	Percent change in cases is less than or equal to negative 10 percent (-10%)
Growing	Percent change in cases is greater than or equal to positive 10 percent (+10%)
No Significant Change	Any other conditions

In addition to needing a burden level lower than "High", we also need our trajectory to be shrinking by 10% or more. Given that we have **159** new cases this week, next week we will need **143** cases to have a "shrinking" trajectory. The table below shows the last ten weeks of data.

Week Ending	7/12	7/19	7/26	8/2	8/9	8/16	8/23	8/30	9/6	9/13
New Cases	40	46	84	56	67	46	45	95	123	159
Percent Change	+18%	+13%	+83%	-28%	+20%	-31%	-2%	+120%	+30%	+29%
Trajectory Status	Growing	Growing	Growing	Shrinking	Growing	Shrinking	No Change	Growing	Growing	Growing

Tri-County Data

Using the same composite, burden, and trajectory indicators that were used above for the City of Appleton, but projected for a Tri-County population total of 406,000, below is data for the past five weeks.

Week Ending	8/16	8/23	8/30	9/6	9/13
Burden	125	158	219	312	448
Burden Status	High	High	High	High	High
Trajectory	2%	26%	39%	43%	44%
Trajectory Status	No Change	Growing	Growing	Growing	Growing
Composite Status	High	High	High	High	High