

COVID Risk Metrics
Revised April 9, 2021

Category	Key Question	Indicator	Level 1	Level 2	Level 3	Level 4
			Minimal	Moderate	High	Very High
Disease situation	What is the level of disease burden and how is it changing?	New case rate over 14 days including active/present nonresident cases, per 100k population	Case rate < 5.	Case rate 5-10	Case rate > 10.	Case rate > 10 and 14-day rate significantly lagging 7-day rate
		Containment situation	Minimal transmission, limited suspected undetected cases	Moderate transmission, likely undetected cases based on contact investigations	Significant transmission, many undetected cases based on contact investigations	Widespread transmission, many undetected cases based on contact investigations and/or inability to investigate
		Nature of outbreaks	Discrete, small, isolated cases and easily contained	One or more ongoing outbreak likely to result in limited secondary spread only with lower risk population(s)	Multiple ongoing outbreaks or one or more outbreaks involving high risk populations	Multiple outbreaks that are hard to contain or multiple outbreaks with high risk populations
		Variants of concern identified	No variants identified in Juneau or no current active cases involving variants of concern	Variants identified and active, no spread	Variants identified, contained spread	Variants identified, uncontained spread
	Are there early signs of a resurgence in cases?	Increase in percent positivity rate over 7 day avg	< 2%	2-5%	5-10%	> 10%
		New case rate over 7 days including active/present nonresident cases, per 100k population	Case rate < 5	Case rate 5-10	Case rate 10-20	Case rate > 20
		Syndromic data - presentations of influenza & COVID-like symptoms	Stable	Slightly increasing	Increasing	Increasing and unstable
BRH Capacity	What is the current situation at BRH?	Current hospital operational status	Normal operations	Limited in-hospital surge	Partial campus surge	Full campus surge
		Total CCU bed capacity	5 to 9 beds available	3-4 beds available	0-2 beds available	0-2 beds available and increasing demand
		BRH PPE Supply	Adequate supply	Limited supply	Limited supply and certain key items uncertain	Inadequate supply
	What is the anticipated future situation at BRH?	Number of BRH HCW ill (any reason) or quarantining	< 5	5-10 and situation contained	> 10 and situation contained	> 15 or uncontained / unknown situation
		Projected hospital or CCU capacity availability	Normal patient flow expected	Limited discharges/transfers expected	Significantly limited discharges/transfers	Patients holding in non inpatient areas
		Total ED visits/day (baseline = 33) 5 day avg	5 day average from baseline stable	5 day average from baseline increased 10-14%	5 day average from baseline increased 15-19%	5 day average from baseline increased > 20%
	What is the current situation outside of Juneau?	Anchorage and Seattle accepting medevac	Fully open	Restricted	Restricted and indications of future closure	Not accepting

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Public Health Capacity	Is our testing capacity sufficient to detect the disease?	Broad testing	Testing > 3% of population / month	Testing < 3% of population / month	Testing < 2% of population / month	Testing < 1% of population / month
		Testing environment	Little to no limitations in testing capacity (specimen collection supplies and lab processing ability)	Intermittent supply or staffing shortages impacting either specimen collection or lab processing ability	Regular shortages with few or no alternatives and increased test prioritization policies needed	Restrictive test prioritization policies necessary (e.g. only suspected symptomatic, high-risk, first responders, etc)
		Turnaround times	< 2 days	2-4 days	> 4 days	> 6 days
		Rapid testing	Medical community has sufficient access for internal use	BRH has sufficient access for internal use	BRH periodically runs out of desired rapid test kit for internal use	BRH consistently out of desired rapid test kit for internal use
	Is our contact tracing capacity sufficient to successfully quarantine and isolate?	Average close contacts per case	No constraints	Up to 20% of close contacts either unreachable, difficult to trace, or PH staff time-constrained	Up to 50% of close contacts either unreachable, difficult to trace, or PH staff significantly time-constrained	Close contact tracing no longer valuable
		Percent of new cases contacted in < 24 hours	> 90%	50 - 90%	< 50%	< 50% or contact tracing utility waning
	What is the current community vaccination rate and how effective is the current vaccination cycle against variants of concern?	Percent of population fully vaccinated	> 70%	50 - 69%	30 - 49%	< 30%
		Percent of population with current booster (if relevant) shots	> 70%	50 - 69%	30 - 49%	< 30%