



Office of Governor Jay Inslee

# The Data - protecting public health as we begin our economic recovery



## COVID-19 Disease Activity

Low and falling disease burden as measured by:

- COVID-19 cases, hospitalizations and deaths in WA
- Rates of COVID-19 spread throughout WA (aka  $R_0$  or "R nought")
- Modeling data from IDM, IHME and Youyang Gu
- Physical distancing adherence trends in Washington State



## Health Care System Readiness

As measured by:

- Hospital beds
- ICU capacity
- Ventilator numbers
- State PPE procurement



## Testing Capacity and Availability

Ability for everyone with COVID-19 symptoms and those with high risk exposures to be tested immediately as measured by:

- Number of tests performed per day
- Testing capacity, including supply chain and speed



## Case and Contact Investigations

Ability to rapidly isolate those with COVID-19, and identify/quarantine their contacts measured by:

- Number of investigators trained and working
- Availability of isolation and quarantine facilities in active jurisdictions
- Percent of cases investigated within 24 hours of receipt of positive test report
- Percent of contacts reached within 48 hours of receipt of report



## Risk to Vulnerable Populations

As measured by:

- Number of outbreaks in long term care facilities per week
- Demographic and equity data



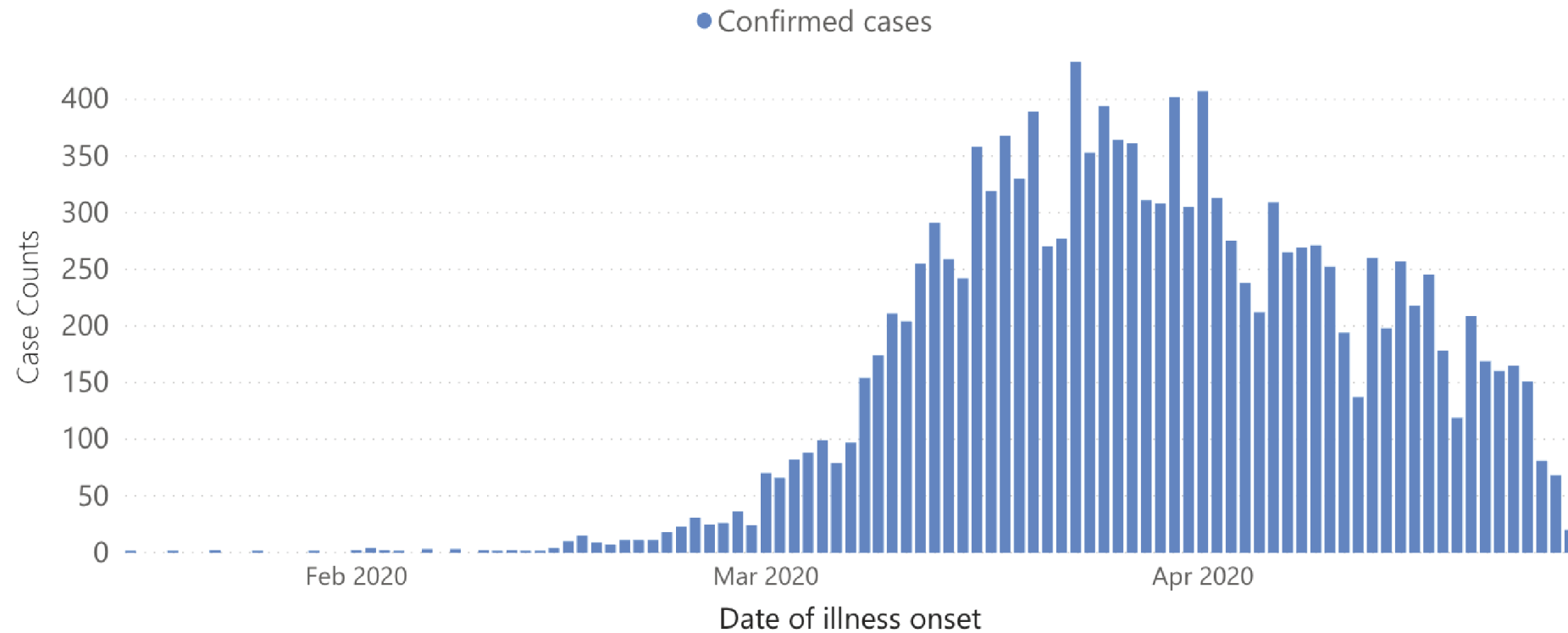
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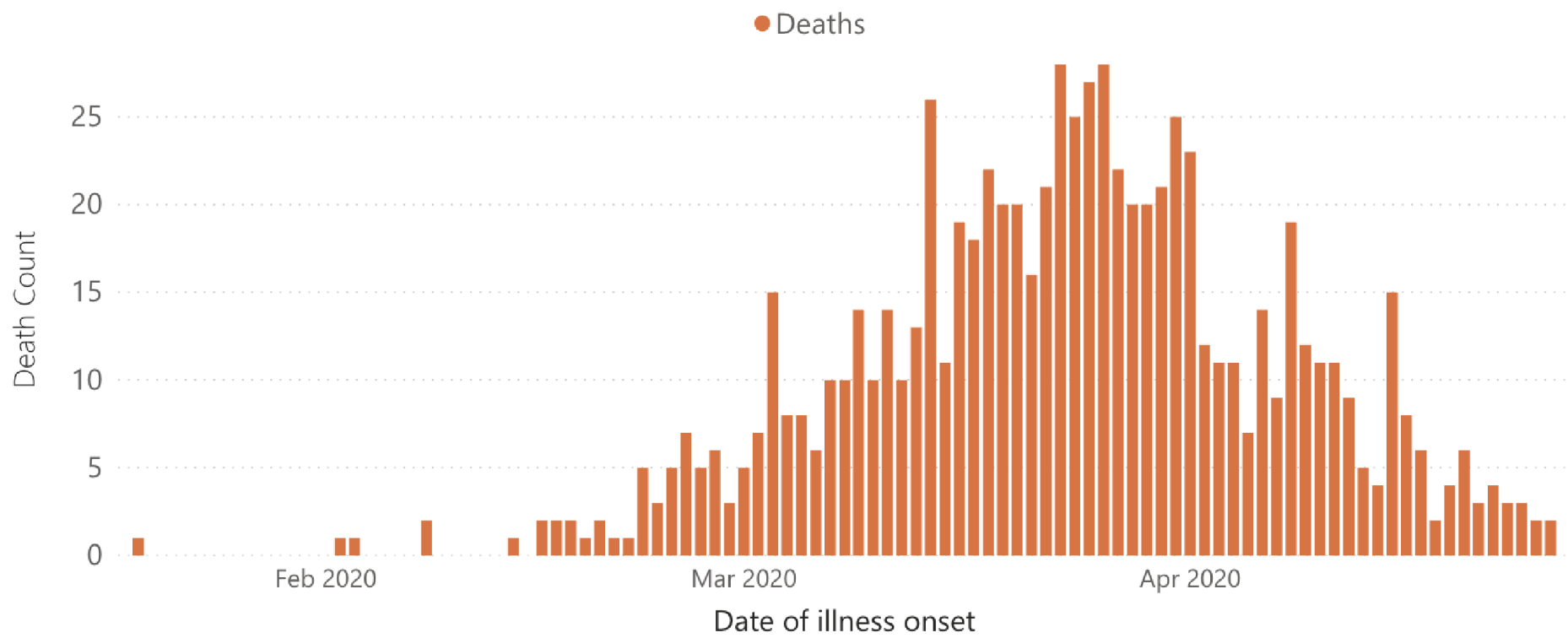
# Cases Per Day by Date of Illness Onset

Illnesses that began in the last 4 to 7 days may not yet be reported.



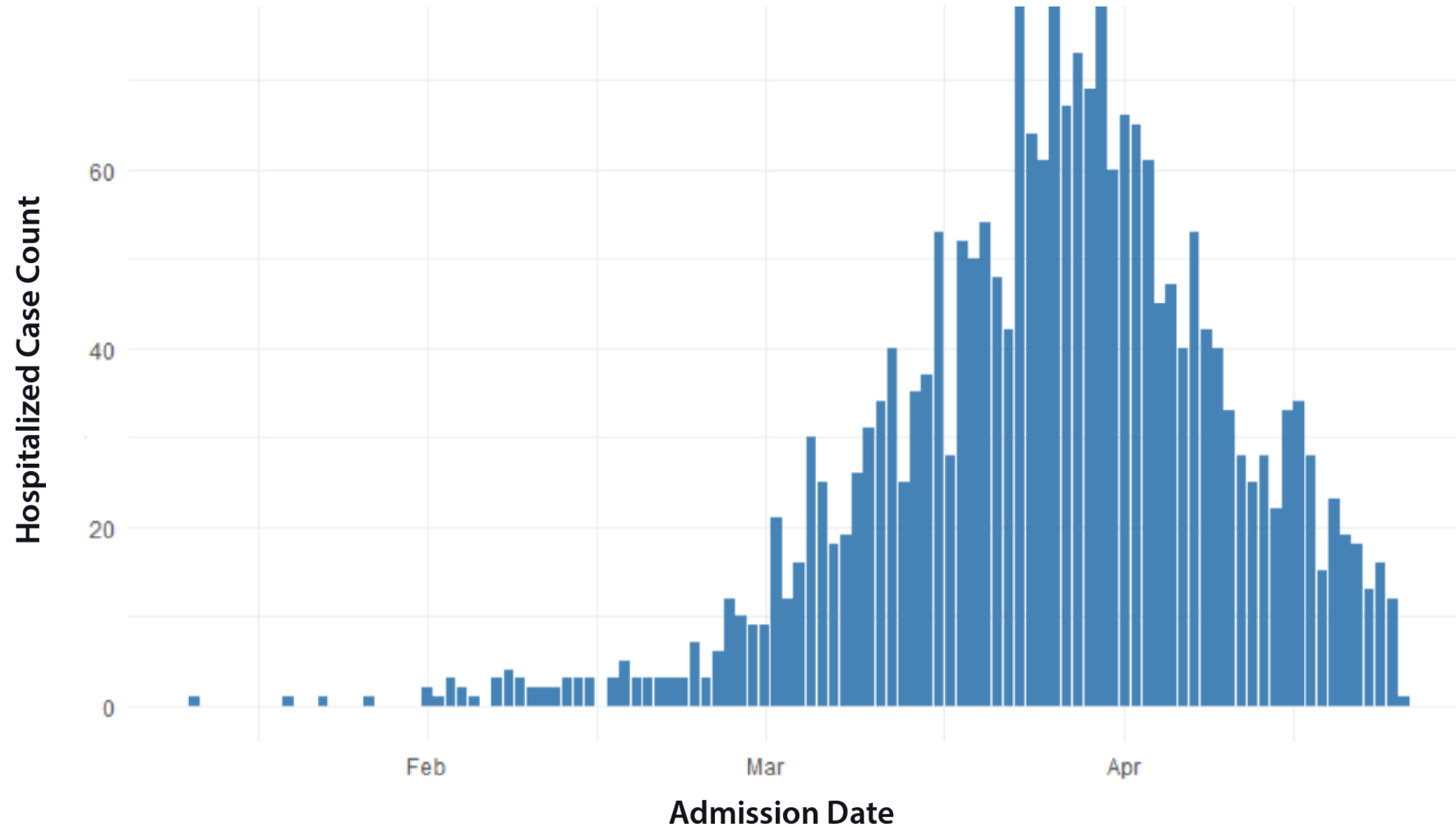
# Deaths Per Day by Date of Illness Onset

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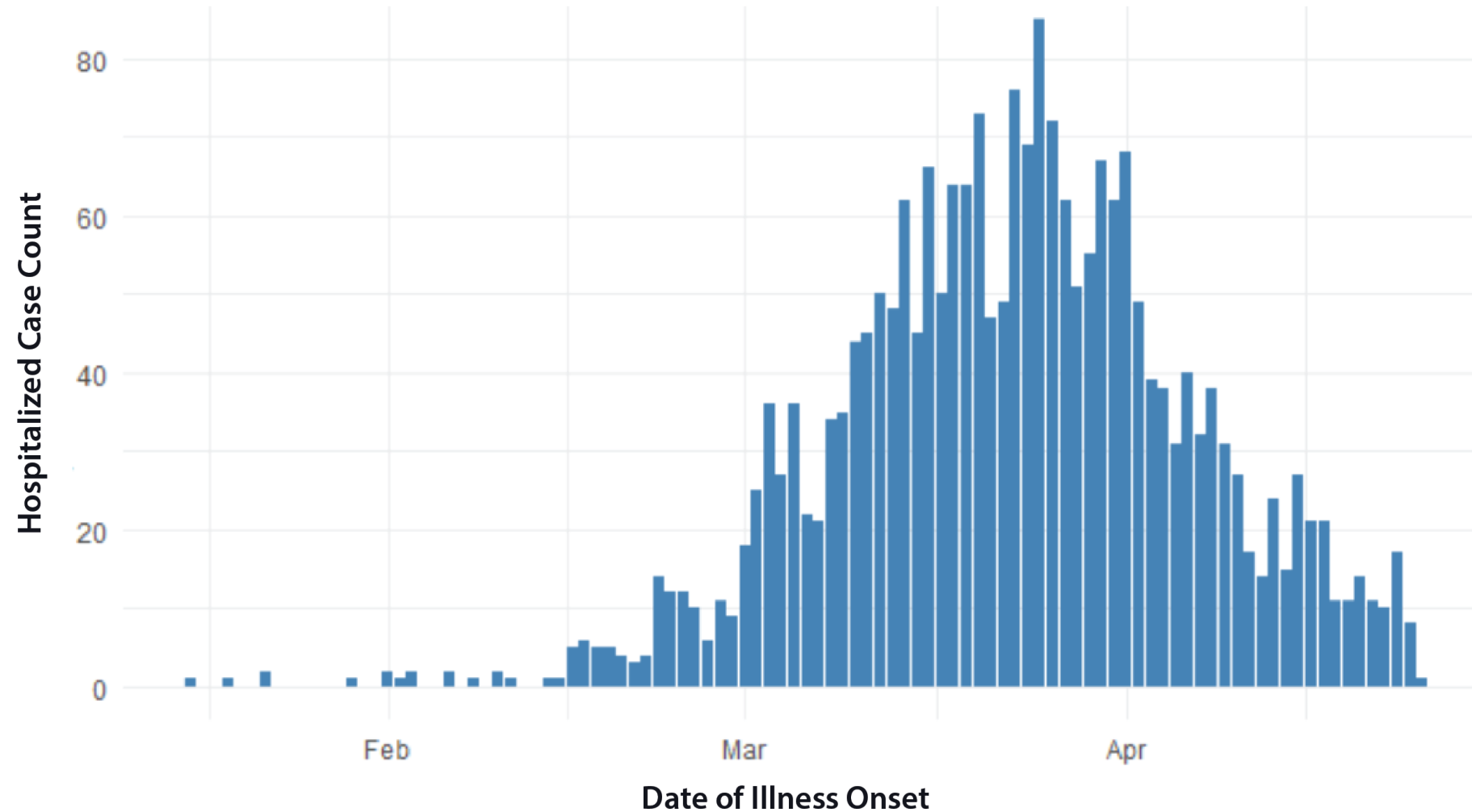


0 of 786 deaths do not have an assigned county. 92 deaths do not have a date of death available.

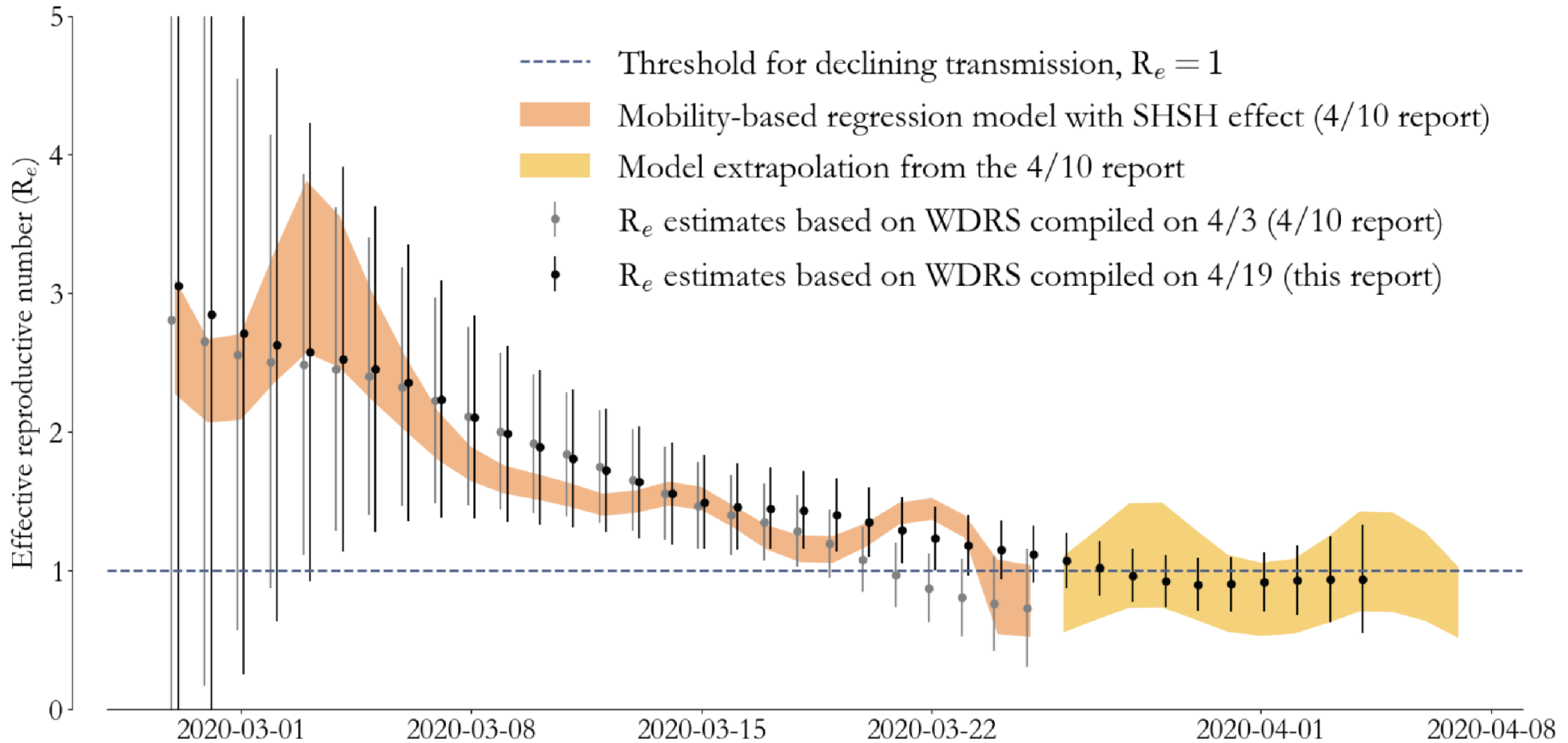
# Cases of COVID-19 Hospitalization by Date of First Admission



# Cases of COVID-19 Hospitalization by Illness Onset

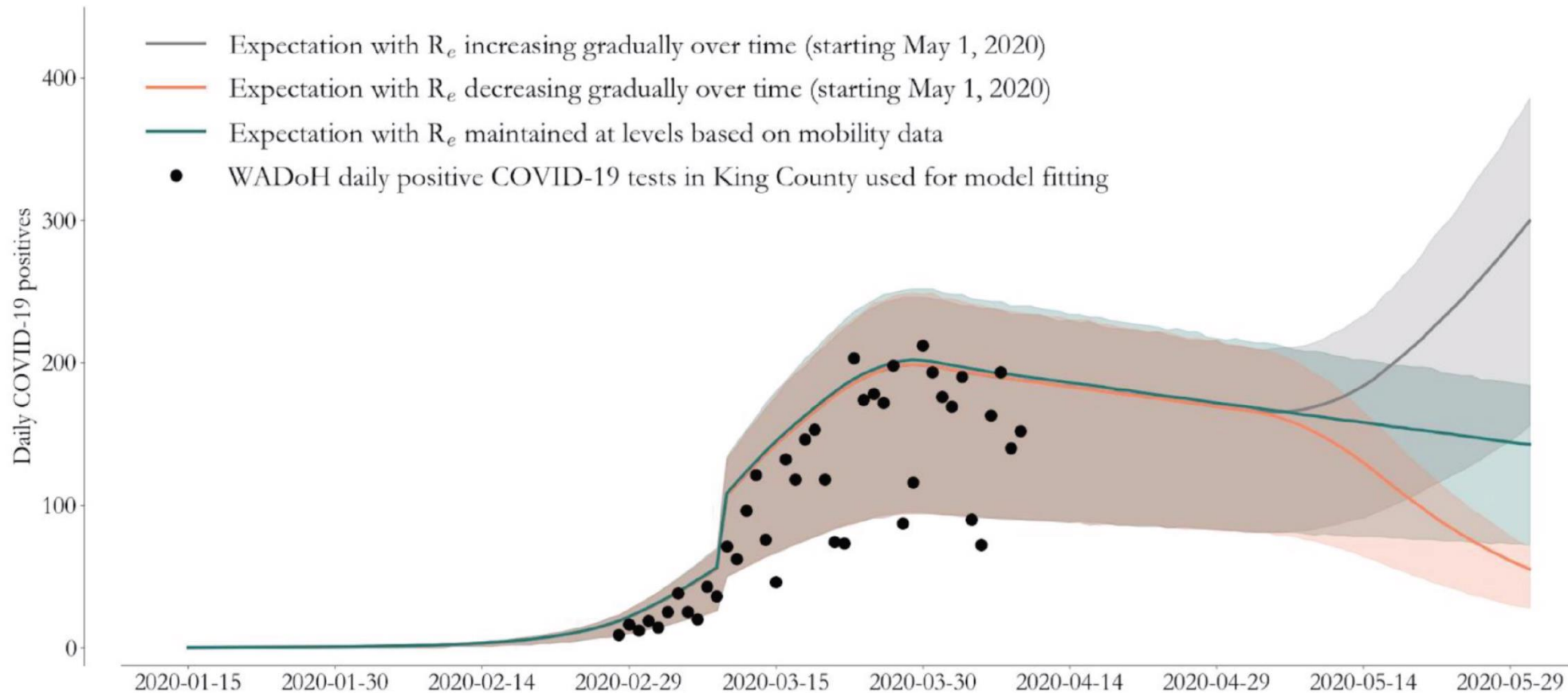


# Effective Reproductive Rate for King Co.

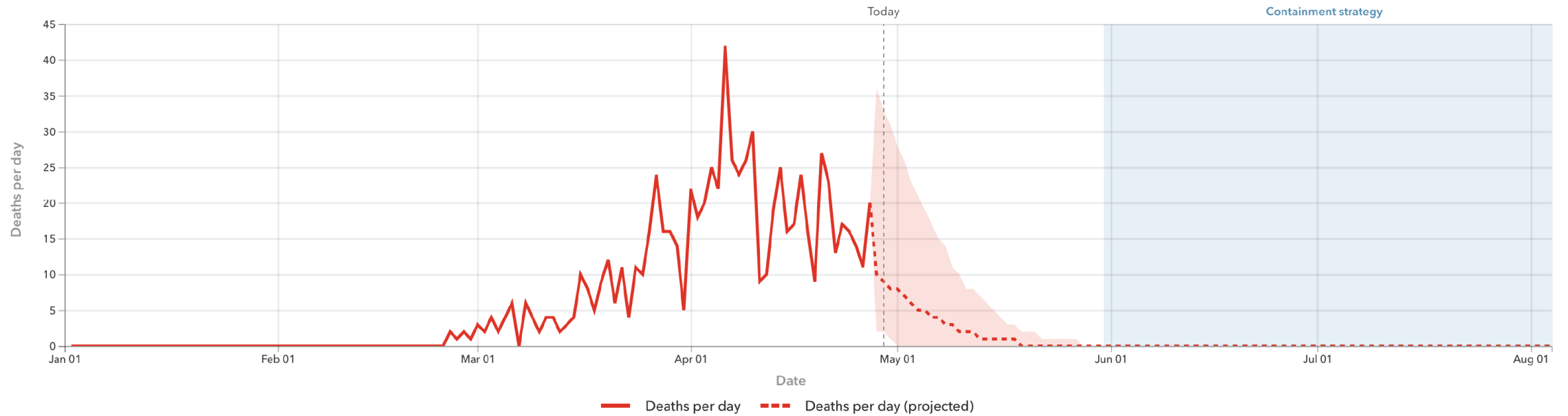




# COVID-19 Case Projections (King Co.)



# IHME Projections



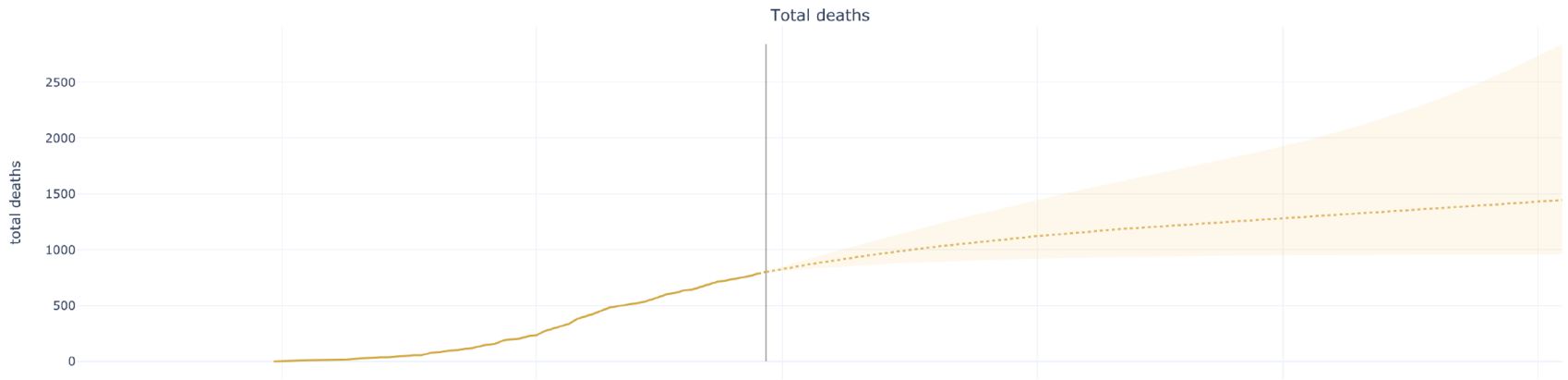
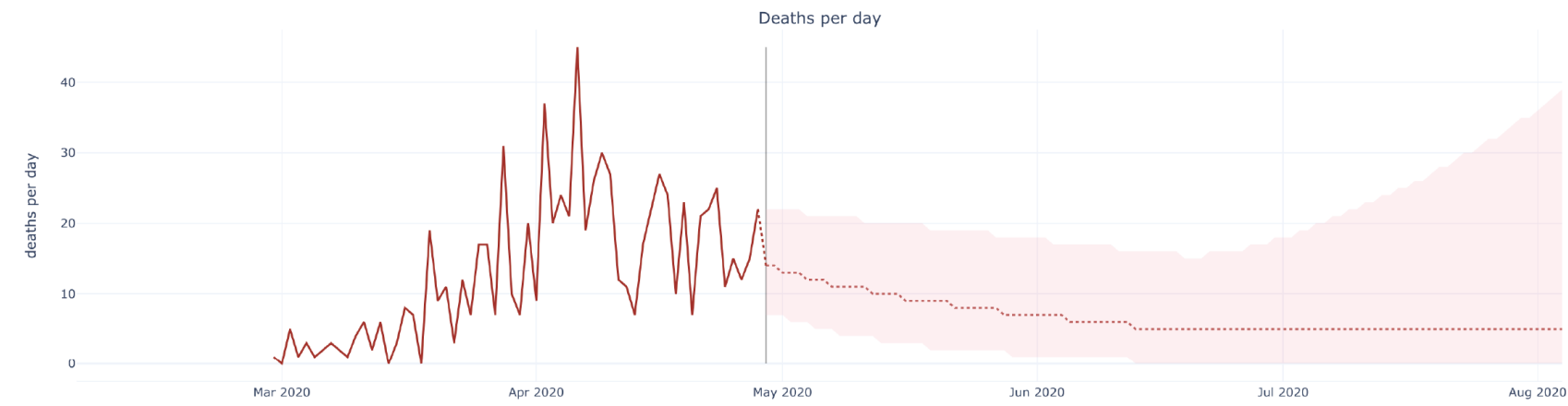
All deaths specific to COVID-19 patients.

Shaded area indicates uncertainty ⓘ

# Youyang Gu Projections

US | Washington

Current deaths: **786** - Projected total deaths: **1,445** (by Aug 4)





# Testing Capacity and Availability

Ability for everyone with COVID-19 symptoms and those with high risk exposures to be tested immediately as measured by:

- Number of tests performed per day
- Testing capacity, including supply chain and speed

# List of Test Labs and Current Testing Capacity

This data represents a possible daily maximum, if supplies were adequate. Several supply issues are bringing total capacity down, such as limited numbers of collection swabs and testing supplies such as extraction reagents. The state is aggressively working to procure collection kits and testing supplies to eliminate these barriers.



LIVE TESTING		
Lab Name	Location	Current capacity/day
Overlake	Bellevue	20
Peacehealth St Joseph Medical Center	Bellingham	32
Northwest Pathology & Northwest Laboratory	Bellingham	5000
Providence Regional Medical Center Everett	Everett	600
Evergreen Hospital Medical Center Lab	Kirkland	50
Multicare	Pierce County	400
St Joseph Medical Center/CHI Franciscan Health	Tacoma	60
Kaiser Permanente	Renton	300
Kadlec Regional Medical Center Laboratory	Richland	32
Seattle Children's Hospital	Seattle	188
UW Lab Medicine Virology (UW) MOLECULAR	Seattle	6000
UW Lab Medicine Virology (UW) SEROLOGY	Seattle	3000
Harborview Medical Center Dept of Lab Medicine	Seattle	400
Harborview Medical Center Dept of Lab Medicine	Seattle	46
UWMC Montlake Dept of Lab Med	Seattle	46
UW HIV lab	Seattle	260
The Brotman Baty Institute at the University of Washington (Seattle Flu Study Lab)	Seattle	600
Laboratory Corporation of America (LabCorp), seattle location	Seattle	457
Virginia Mason Medical Center	Seattle	357
US department of Veterans Affairs - VA Puget Sound Health Care System	Seattle	376
FIDA lab	Seattle	700
WA PHL	Shoreline	500
Providence Sacred Heart Medical Center and Children's Hospital	Spokane	100
Madigan army medical center	Joint Base Lewis-McChord	20
PeaceHealth Southwest Medical Center	Vancouver	32
Molecular Testing Labs	Vancouver	500
Peacehealth Labs Lower Columbia Region	Longview	30
Atlas Genomics LLC	Seattle	350
Everett Clinic	Everett	450
Virginia Mason Memorial Laboratory	Yakima	12
Lake Roosevelt Community Health Centers	Inchelium	3
UW Medical Center – Northwest	Seattle	48
Molecular Epidemiology Inc	Lake Forest Park	1000
InCyte Diagnostics	Spokane Valley	200
Mid Valley Hospital	Omak	32
Newport Community Hospital Public Hospital District One	Newport	32
		Current capacity: 22,233

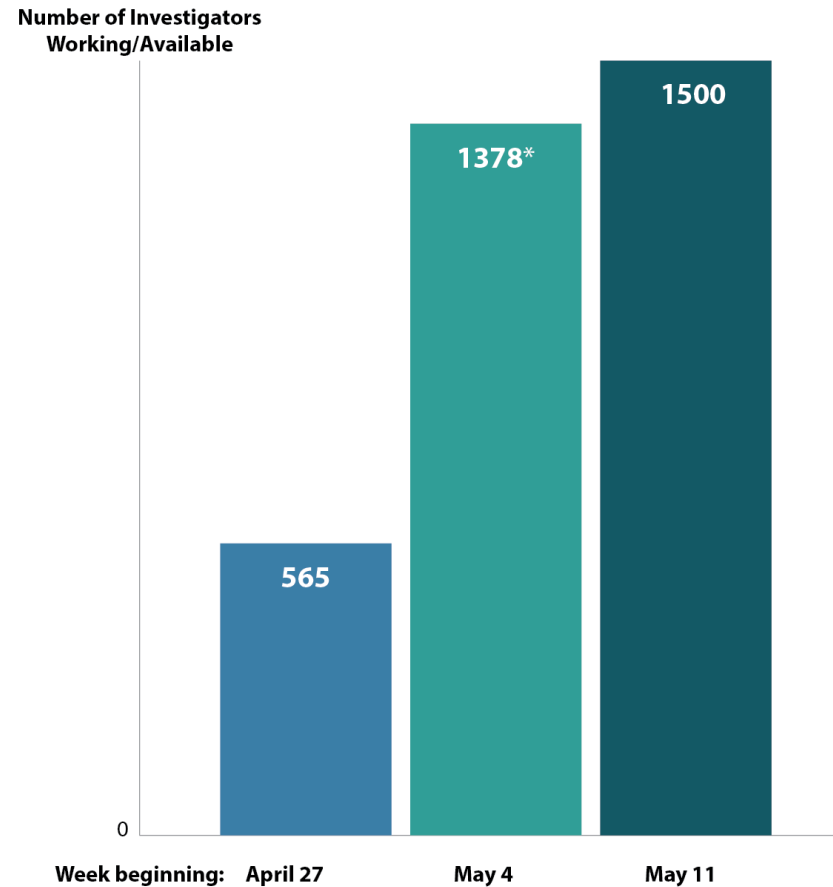


## Case and Contact Investigations

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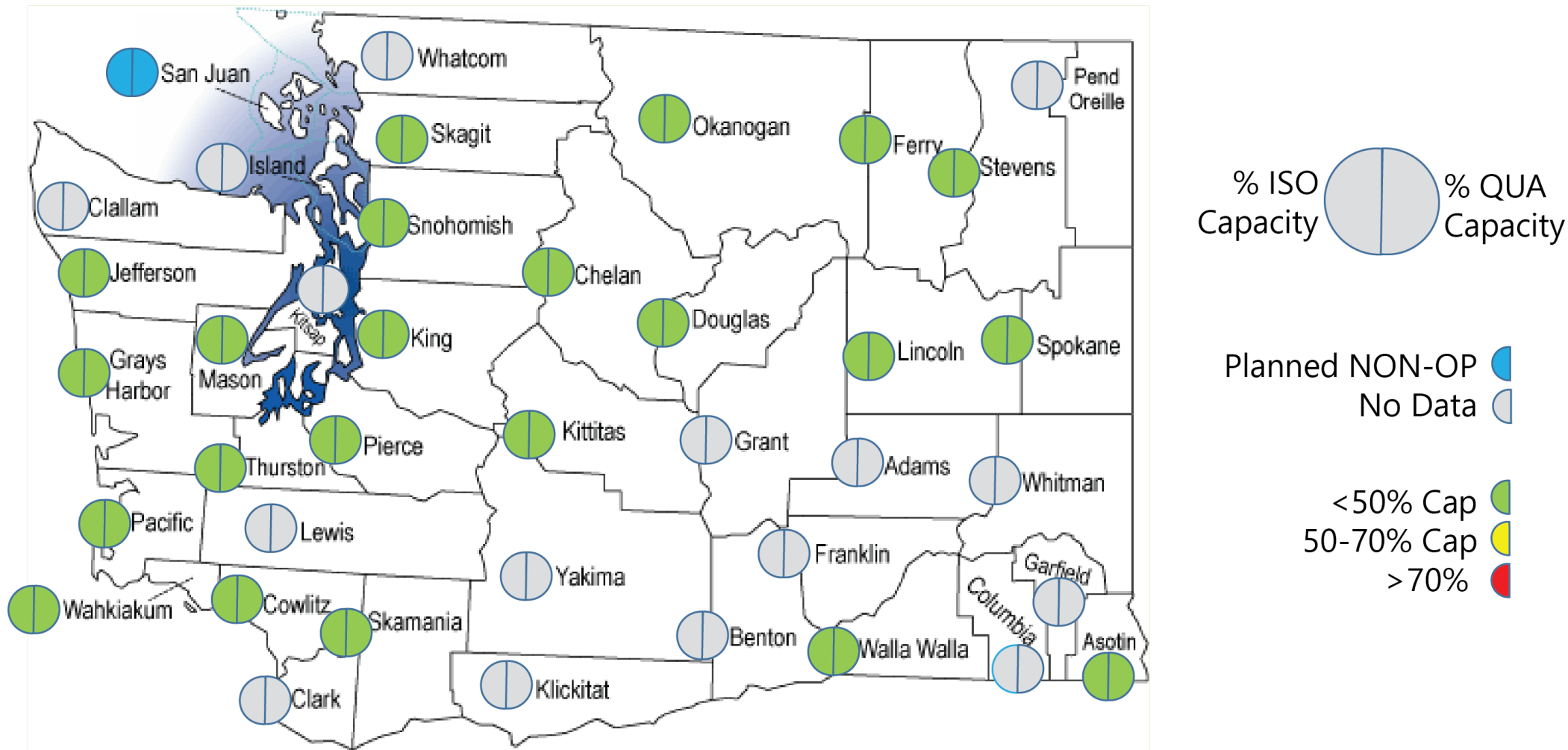
# Projected Number of Case Investigators Working/Available



Source: DOH.

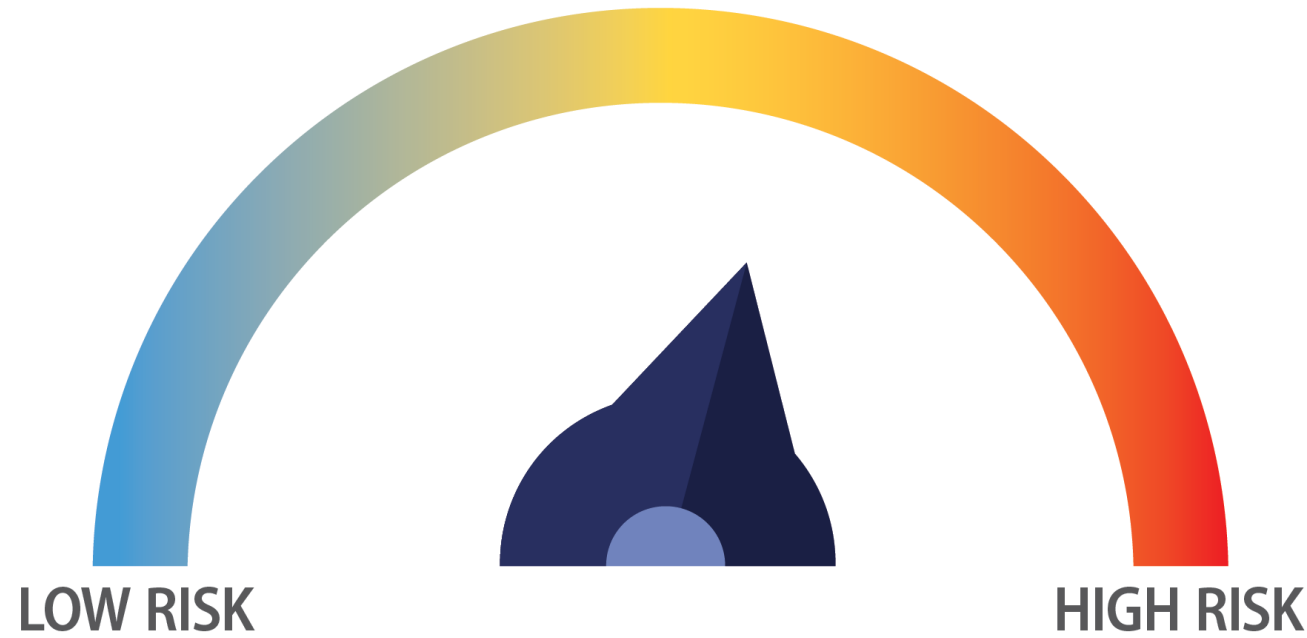
\* Includes 750 National Guard

# County Isolation and Quarantine Capacity



Source: Emergency Management Division. Data as of 4/22/20.  
Some counties still developing plans for Isolation and Quarantine.



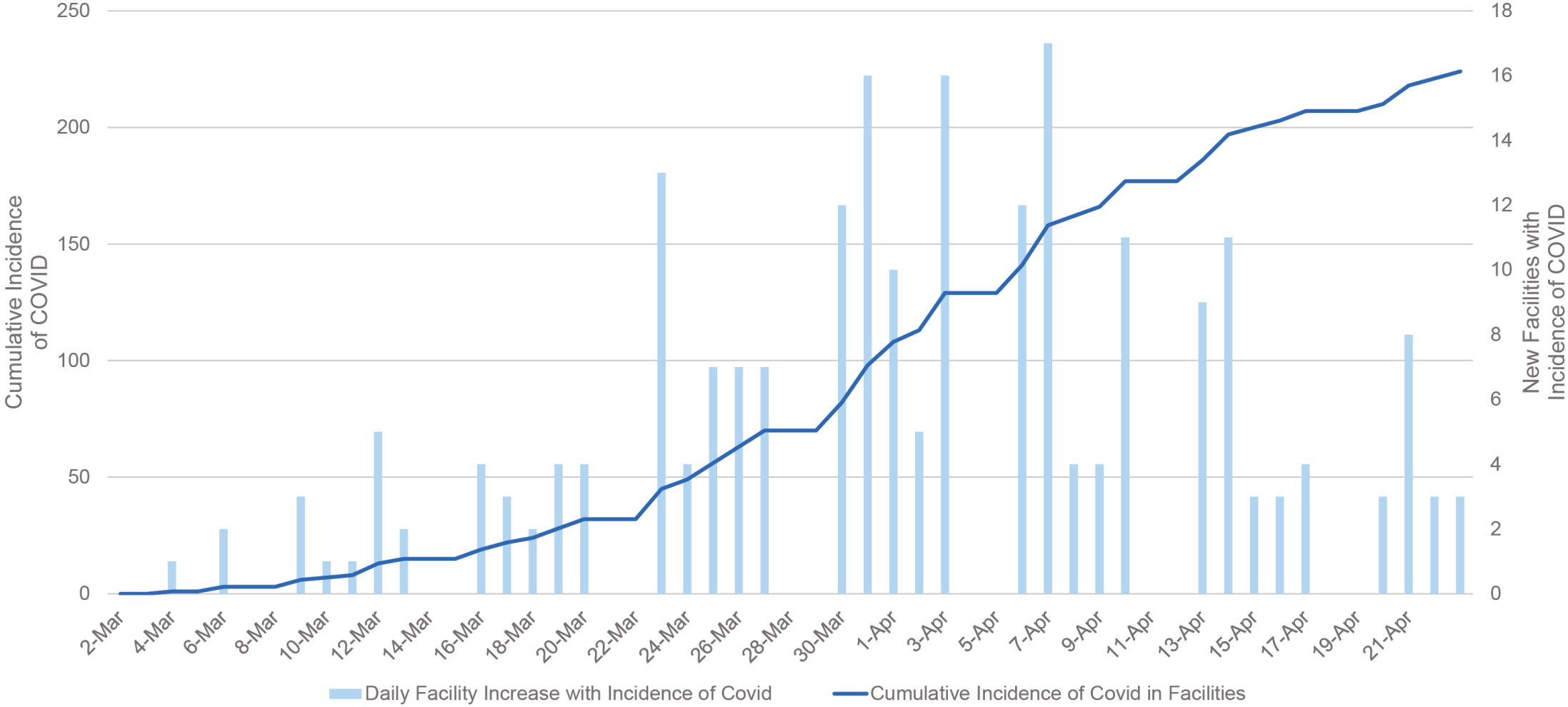


# Risk to Vulnerable Populations

As measured by:

- Number of outbreaks in long term care facilities per week
- Demographic and equity data

# Long-Term Care Facilities with Postive Incidence of COVID-19



Source: DSHS. These data reflect limited survey and self-reported incidents. Additional reporting measures are in progress.

# Demographic and Equity Data

Confirmed Cases / Deaths by Age

Age Group	Percent of Cases	Percent of Deaths
0-19	4%	0%
20-39	29%	1%
40-59	34%	8%
60-79	24%	38%
80+	10%	53%
Unknown	0%	0%

Confirmed Cases / Deaths by Gender

Sex at Birth	Percent of Cases	Percent of Deaths
Female	52%	44%
Male	46%	56%
Unknown	2%	1%

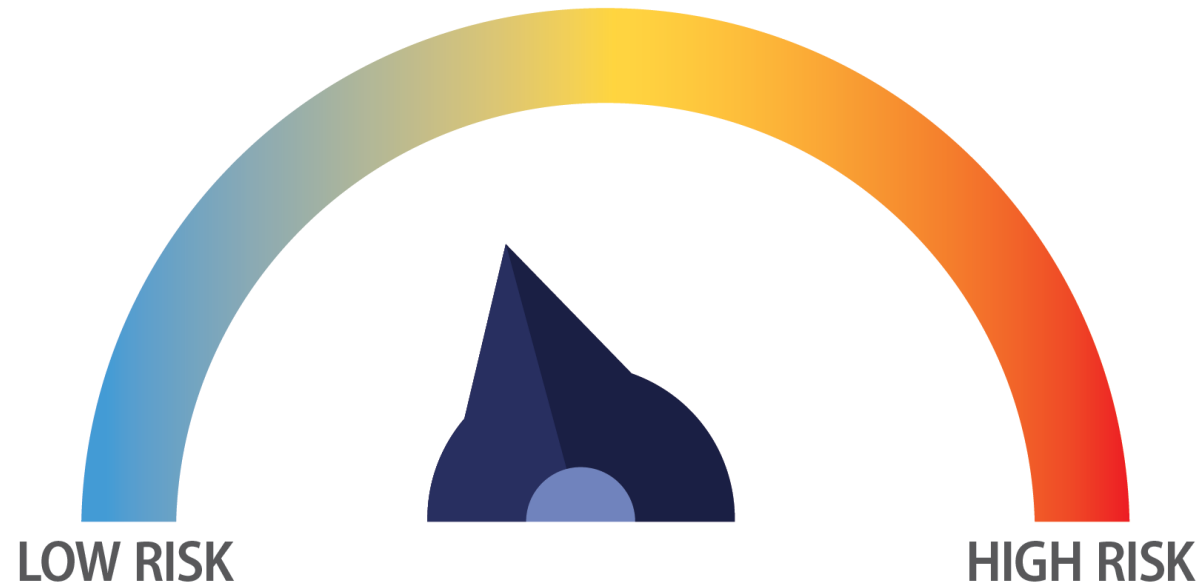
Confirmed Cases by Race/Ethnicity

Race/Ethnicity	Confirmed Cases	Percent of Cases *	Percent of Total WA Population
Hispanic	2,640	30%	13%
Non-Hispanic American Indian or Alaska Native	115	1%	1%
Non-Hispanic Asian	885	10%	9%
Non-Hispanic Black	631	7%	4%
Non-Hispanic White	4,326	48%	68%
Non-Hispanic Native Hawaiian or Other Pacific Islander	158	2%	1%
Non-Hispanic Multiracial	1	0%	4%
Non-Hispanic Other Race	179	2%	NA
Total with Race/Ethnicity Available	8,935	100%	
Unknown Race/Ethnicity (Percent out of Total Cases)	4,907	35%	NA
Total Number of Cases	13,842	100%	

Deaths by Race/Ethnicity

Race/Ethnicity	Deaths	Percent of Deaths *	Percent of Total WA Population
Hispanic	53	8%	13%
Non-Hispanic American Indian or Alaska Native	7	1%	1%
Non-Hispanic Asian	69	10%	9%
Non-Hispanic Black	22	3%	4%
Non-Hispanic White	518	74%	68%
Non-Hispanic Native Hawaiian or Other Pacific Islander	4	1%	1%
Non-Hispanic Multiracial	9	1%	4%
Non-Hispanic Other Race	16	2%	NA
Total with Race/Ethnicity Available	698	100%	
Unknown Race/Ethnicity (Percent out of Total Deaths)	88	11%	NA
Total Number of Deaths	786	100%	

\* Out of total with reported race/ethnicity

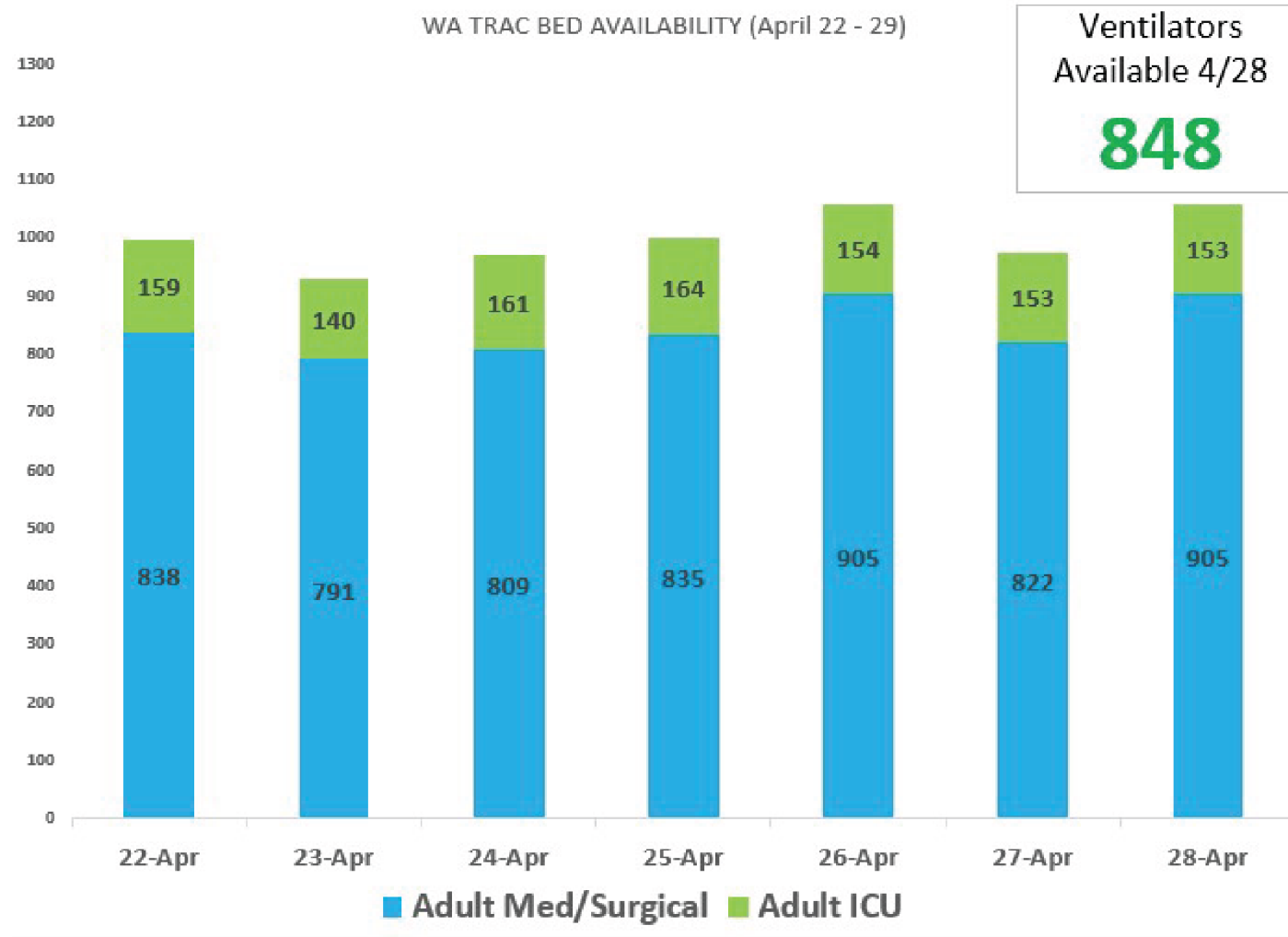


# Health Care System Readiness

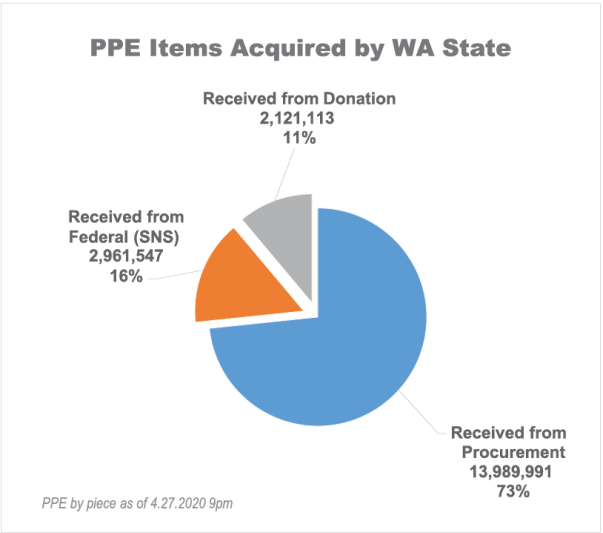
As measured by:

- Hospital beds
- ICU capacity
- Ventilator numbers
- State PPE procurement

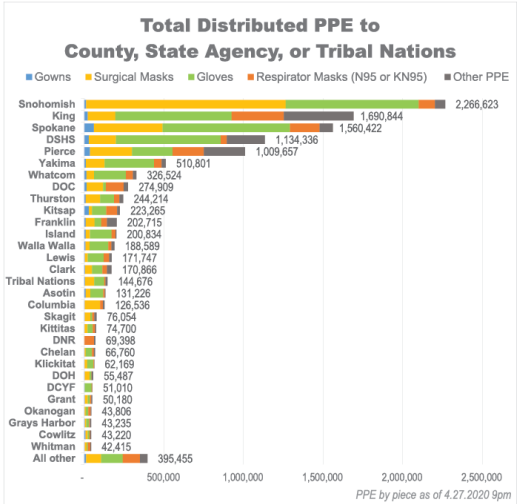
# Health Care System Capacity



# State PPE Procurement



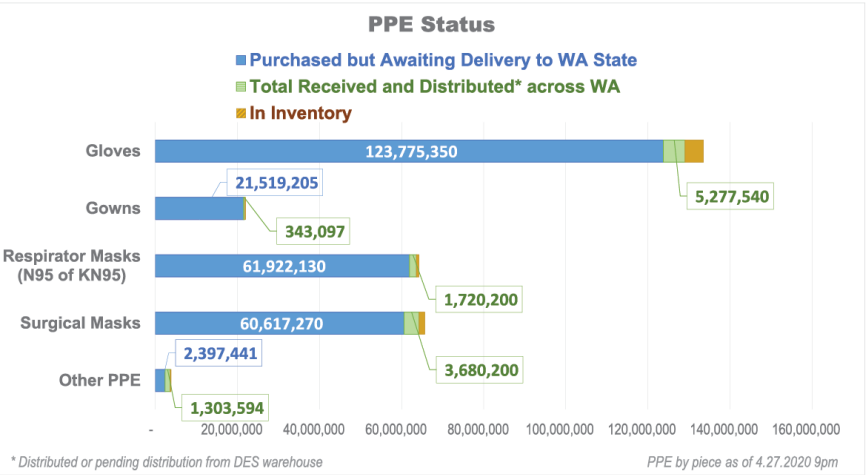
Source:DES. Data as of 4/27/2020 9pm.



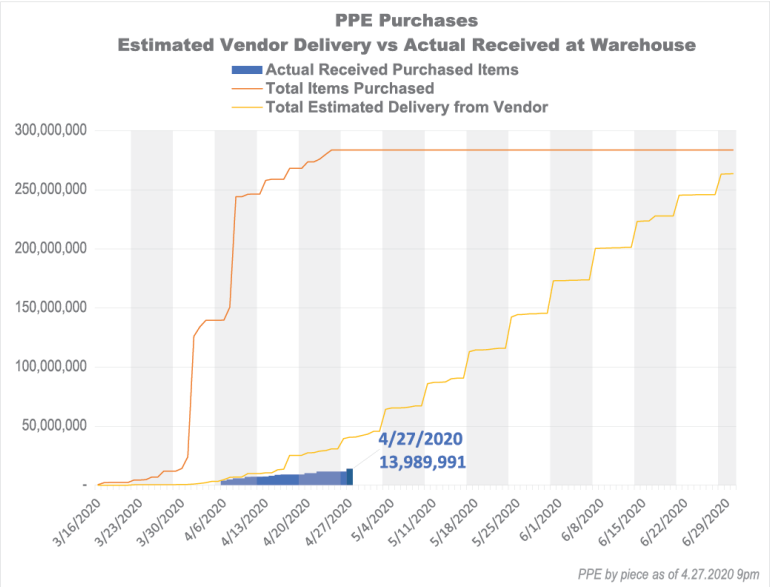
Due to shortages, the state must continue to prioritize requests for PPE. Currently, the state is only able to support tier 1 needs. DSHS PPE helps support long-term care facilities.

Source:DES. Data as of 4/27/2020 9pm.

Total Items Ordered	Total Items Received	Total Items Distributed
# of items 284,221,107	# of items 19,072,651	11,651,507
\$ cost \$341,861,970	\$ cost \$8,380,005	



Source:DES. Data as of 4/27/2020 9pm.



Several factors make purchase order dates an unreliable measure including supply chain issues experienced by manufacturers; freight delays; delays and issues with clearing customs. The state has a multi-faceted ordering strategy to help mitigate some of these challenges.

Source:DES. Data as of 4/27/2020 9pm.



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