

# COVID-19 Update

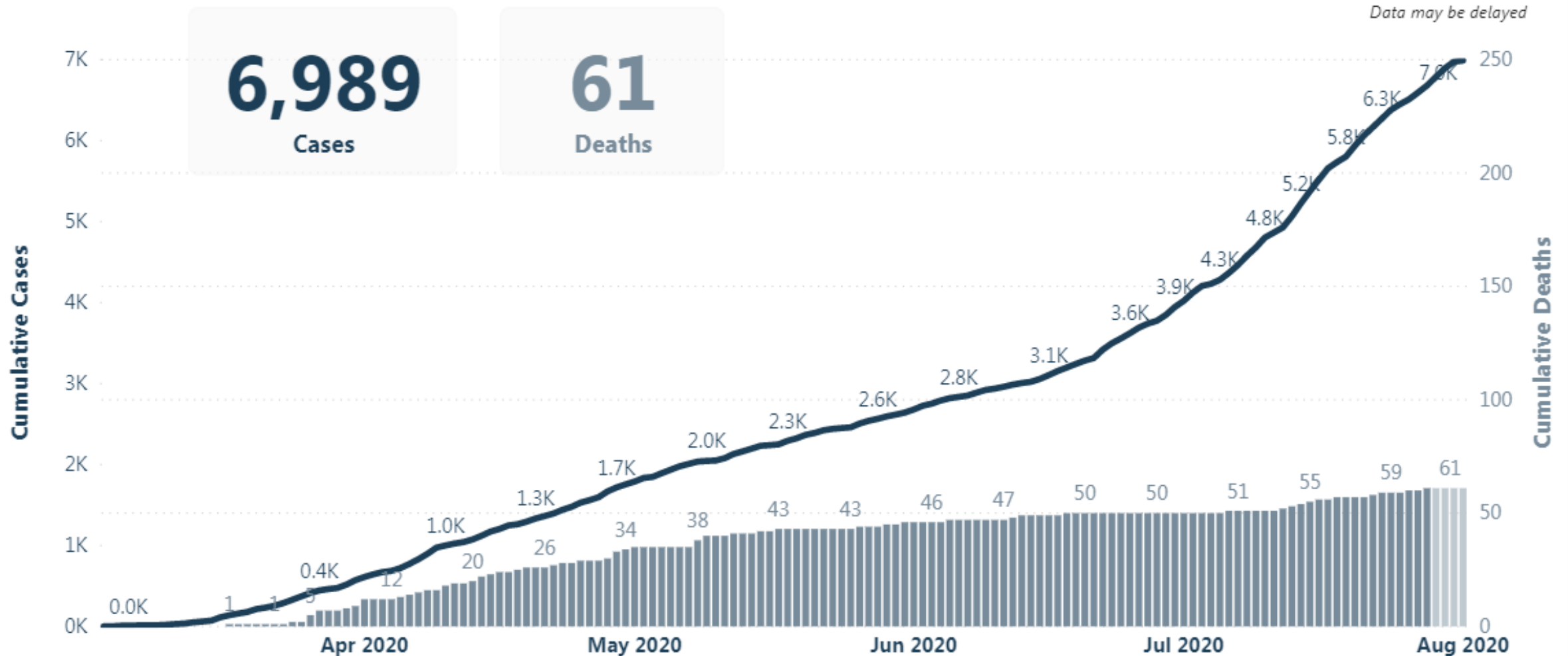
Grant Colfax, MD  
Director of Health

August 4, 2020



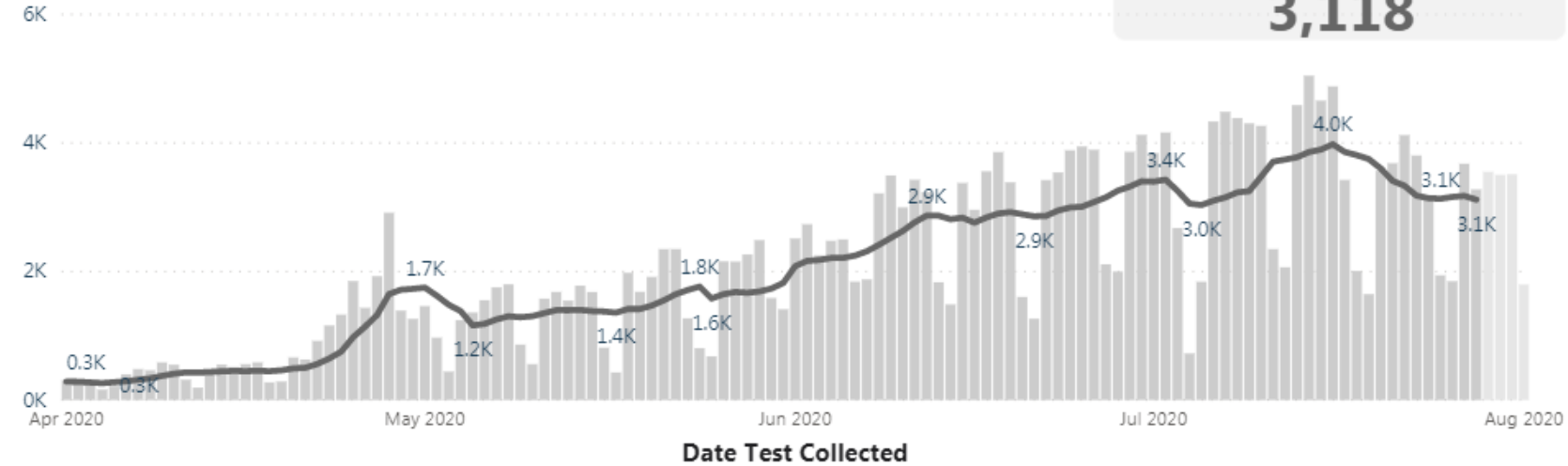
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

# Cumulative Cases and Deaths

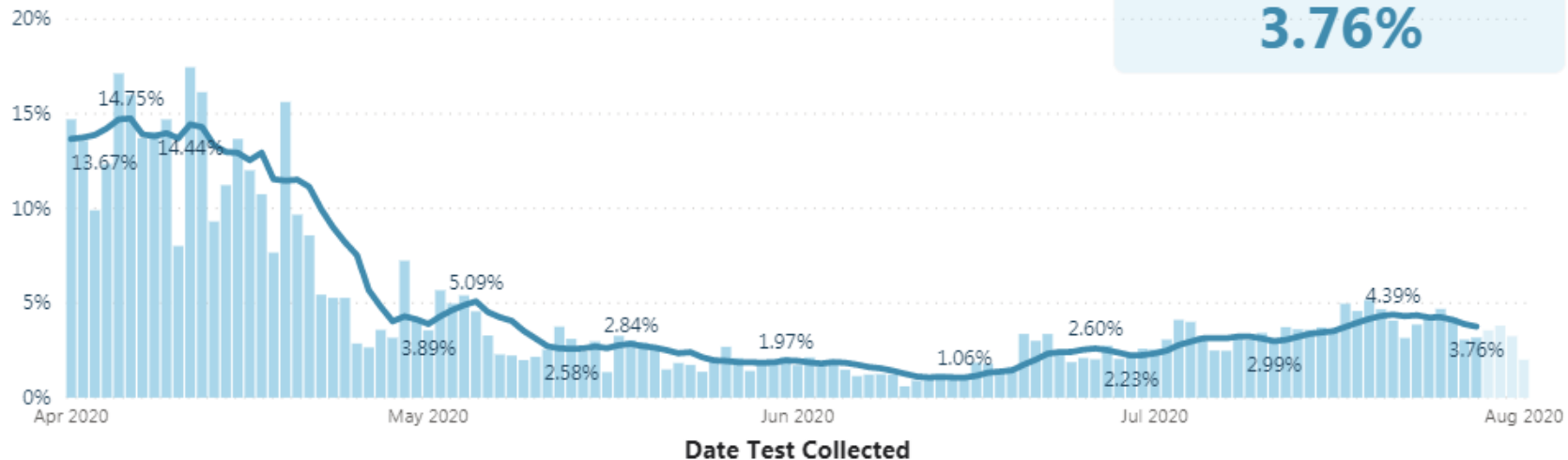


# Testing and Case Demographics

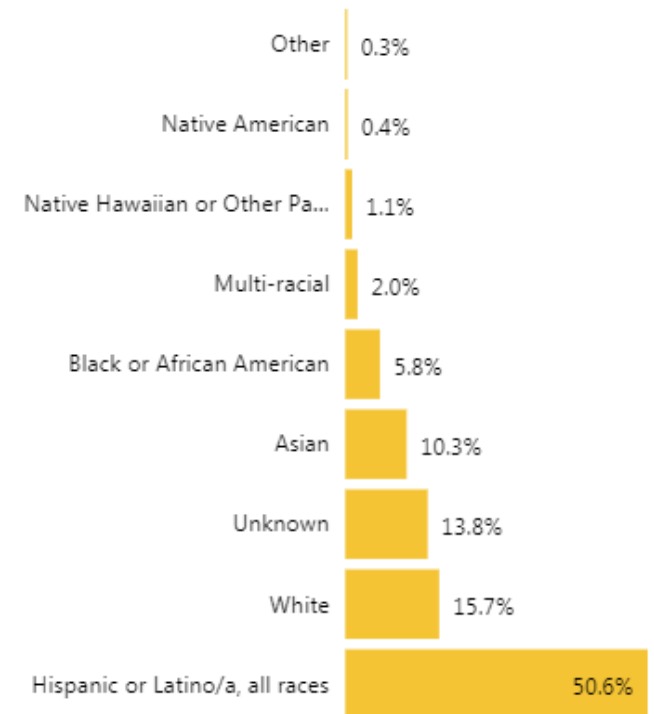
## COVID-19 Tests Collected & 7-Day Rolling Average



## Percent Positivity & 7-Day Rolling Average



## Cases - Race/ Ethnicity



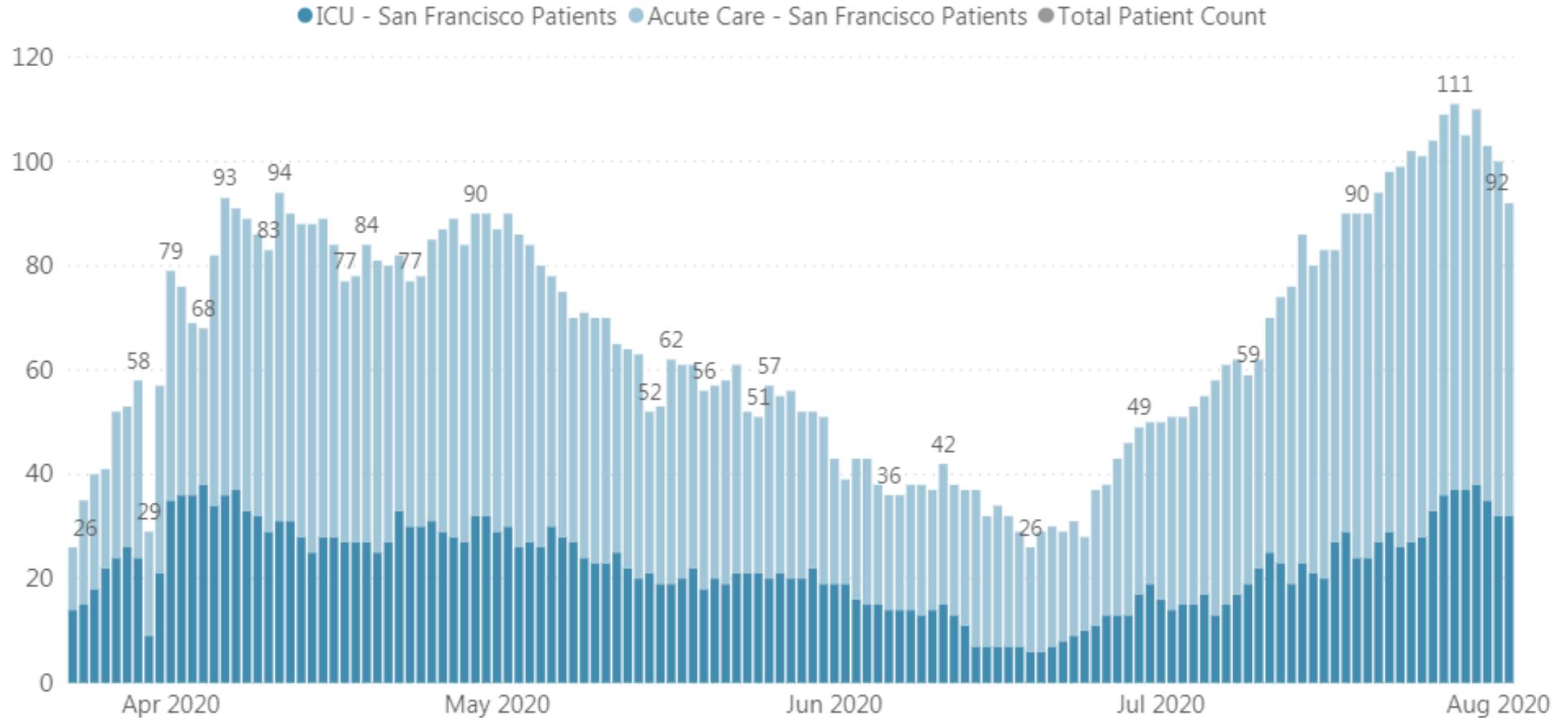
# County COVID-19 Comparisons

City	County	State	Cases/1000	Deaths/100,000	Tests/1000
San Francisco	San Francisco	CA	8.0	7.0	3.61
Seattle	King	WA	6.9	29.2	2.22
Atlanta	Fulton	GA	17.1	37.4	NA
Los Angeles	Los Angeles	CA	18.5	45.1	1.62
Baltimore	Baltimore City	MD	14.2	47.0	3.48
Miami	Miami-Dade	FL	45.5	62.3	NA
Denver	Denver	CO	15.8	66.8	2.42
DC	DC	DC	17.5	83.4	4.93
Philadelphia	Philadelphia	PA	19.4	106.8	1.99
Boston	Suffolk	MA	26.6	131.7	NA
New York City	New York City	NY	26.9	280.4	2.69

Updated August 3, 2020

# Hospitalizations

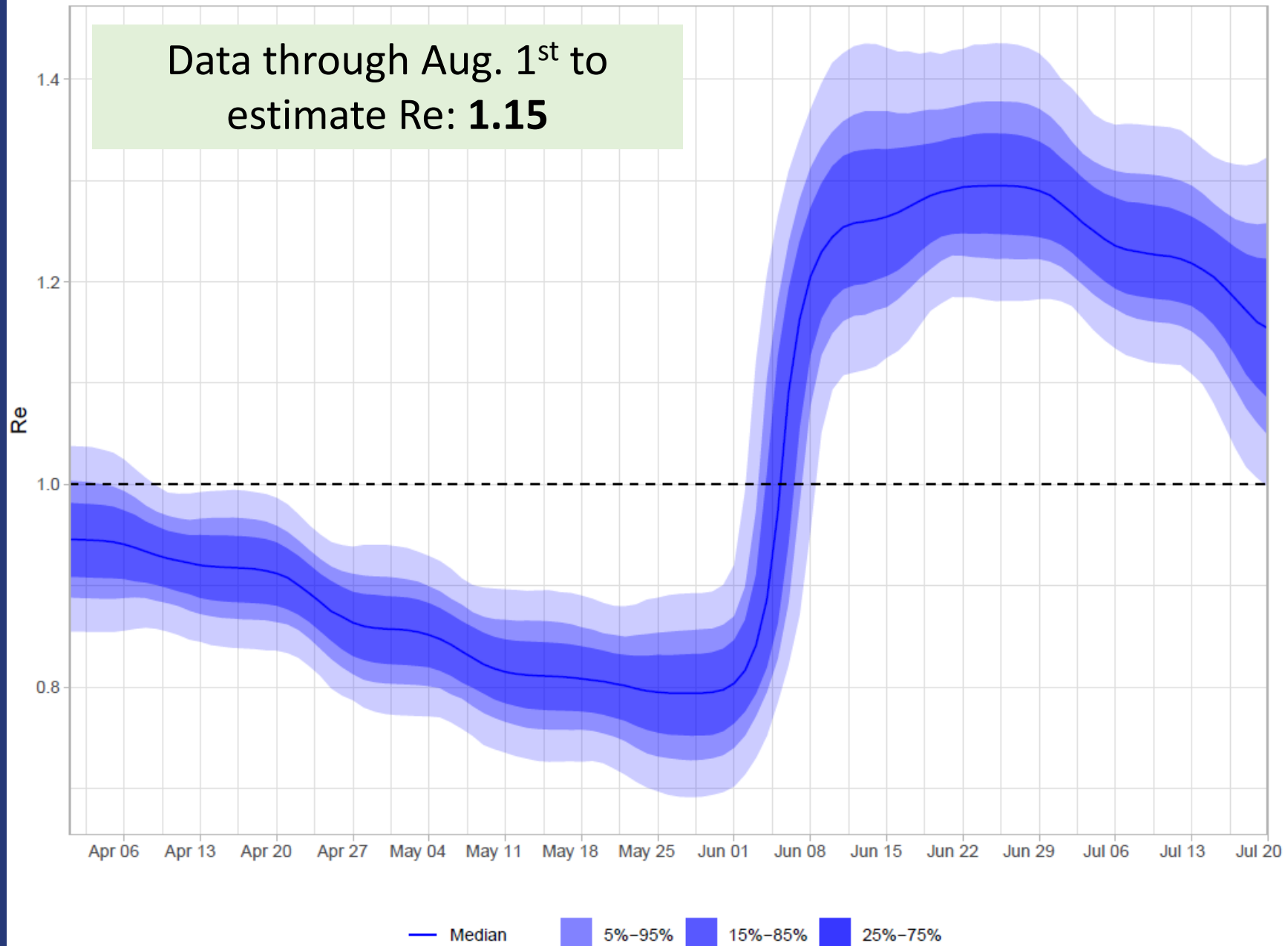
## COVID-19 Patient Count



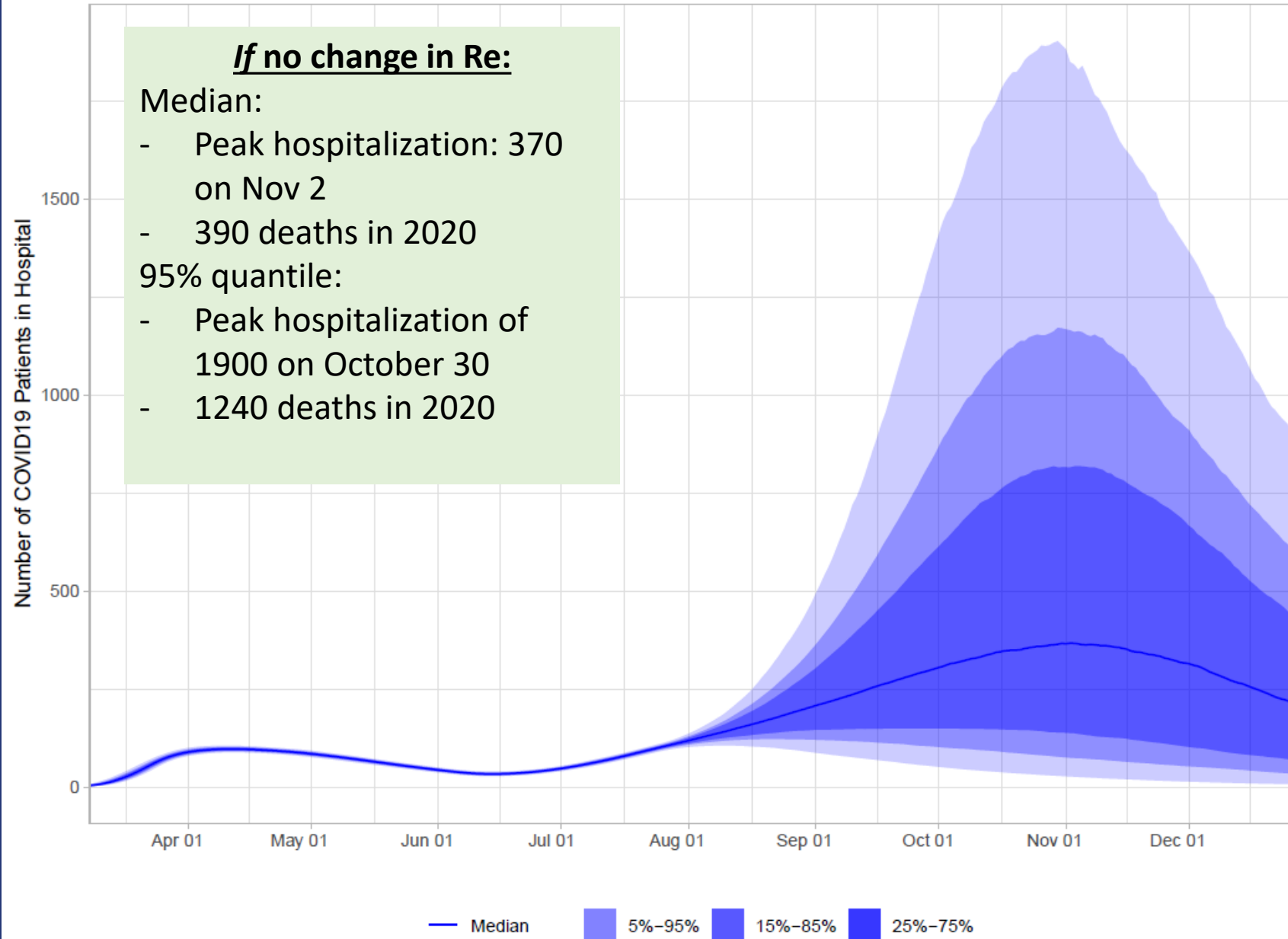
# Key Health Indicators

Category	Key Question	Indicator	Triggers to raise or lower level	Level 1 New Normal	Level 2 Low Alert	Level 3 Moderate Alert	Level 4 High Alert
Health Care System	Are there early signs of an increase in hospitalizations?	Rate of increase in total Covid+ hospitalizations	Increase or decrease to meet new threshold over a 7 day period	-3.6% <10%	10-15%	15-20%	>20%
	Do we have capacity to treat severe cases?	Acute care bed available capacity	Meet threshold for over 7 days	23% >15%	10-15%	5-10%	<5%
	Do we have capacity to treat severe cases?	ICU bed available capacity	Meet threshold for over 7 days	27% >20%	15-20%	10-15%	<10%
Disease Situation	Are there early indicators of an increase in Covid-19 disease	Number of new cases per day/100,000 population	Increase or decrease to meet new threshold over a 7 day period	<1.8	1.8-4.0	4.0-6.0	10.1 >6
	Are we testing enough to detect cases?	Tests per day	Meet threshold for over 7 days	3,118 >1,800	1,800-1,400	1,400-700	<700
Disease Control	Do we have robust contact tracing?	90% of new cases reached and named contacts reached	Meet threshold for over 7 days	>90%	80-90%	68% 65-80%	<65%
	Are we protecting health care workers?	Percent of essential PPE with greater than a 30-day supply	Increase or decrease to meet new threshold over a 7 day period	100%	89% 85-100%	60-85%	<60%

# Effective Reproduction Number

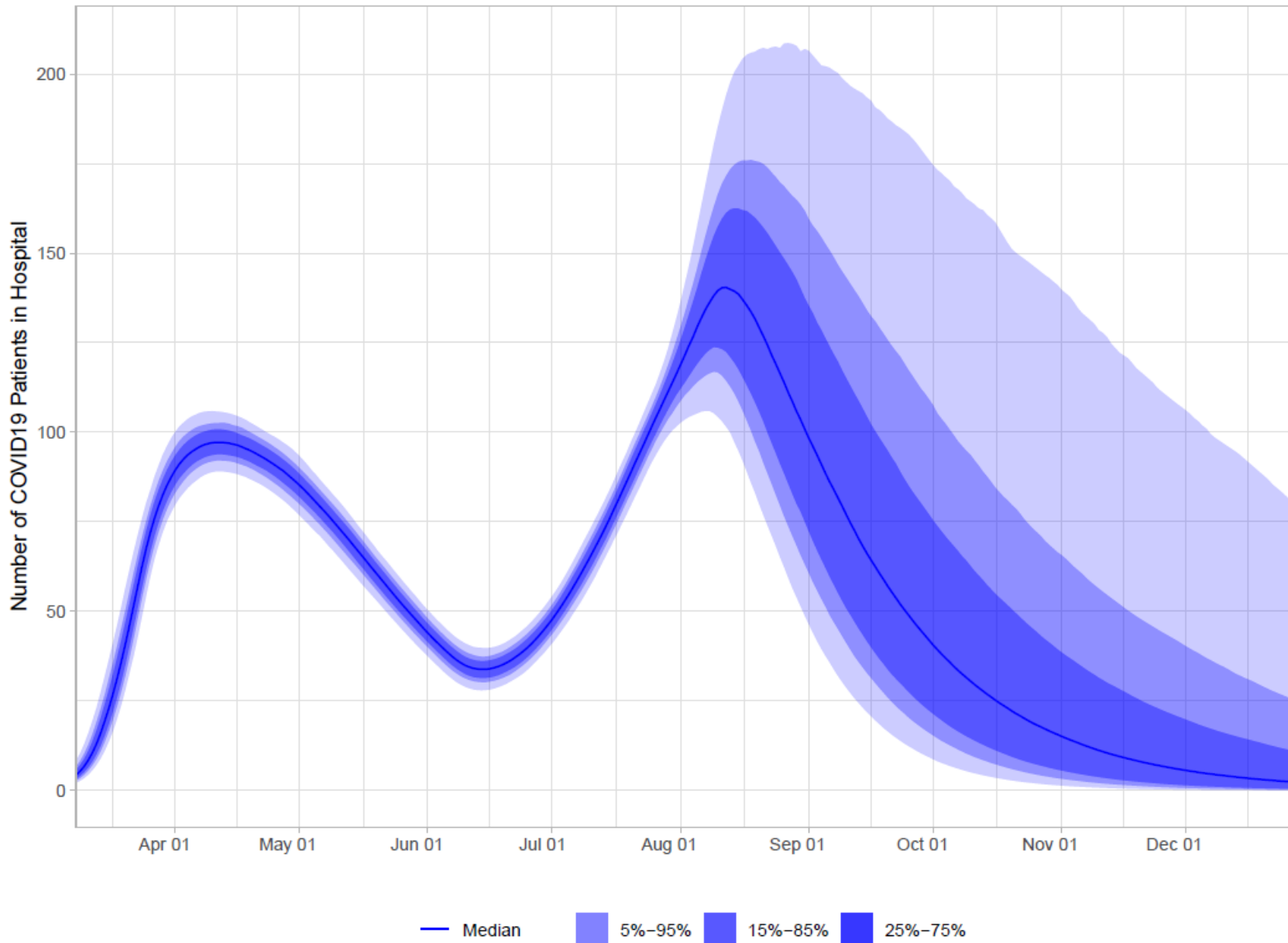


## Long Term Hospitalization Projection





Long Term Hospitalization Projection



— Median    ■ 5%-95%    ■ 15%-85%    ■ 25%-75%

localepi.github.io/LEMMA

**If Re reduced by 30%**  
**starting August 3:**

Median:

- Peak hospitalization: 140 on August 12
- 120 deaths in 2020

95% quantile:

- Peak hospitalization of 210 on August 27
- 240 deaths in 2020



# Testing Overview - Successes

- San Francisco has set up 29 testing sites throughout the city and have performed almost 240,000 tests since the pandemic began focused on providing access to high risk and vulnerable residents and essential workers.
- San Francisco has also achieved 50% more testing than any surrounding Bay Area County.
- Prioritization of testing in congregate settings has greatly contributed to our success of a significantly lower death rate than comparable counties.
- Since June we have consistently exceeded our target of testing 1,800 people per day. We are currently over 80% above this goal at 3,343 tests/day.



# Testing Priorities

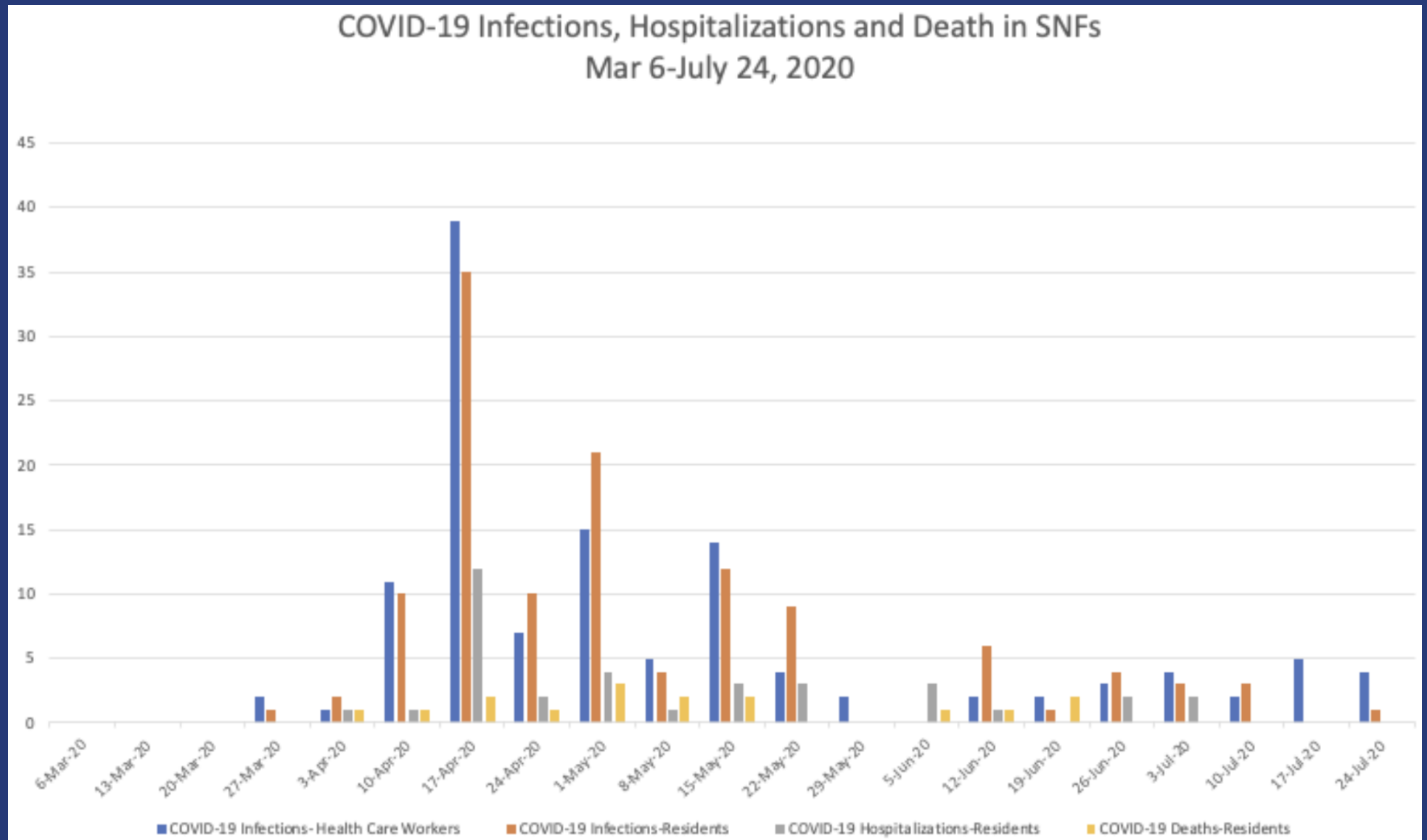
- Prioritize testing resources for:
  - San Franciscans experiencing COVID-19 symptoms
  - Close contacts of confirmed cases
  - Investigation and management of outbreaks in high risk settings
  - Communities where high rates of transmission is occurring and health inequities exist.
  - Front Line Disaster Service Workers

# Priority Facilities/Congregate Settings



## Facilities at risk for outbreaks:

- Skilled nursing facilities (SNFs)
  - Health Order requires regular testing of residents and personnel
  - Testing and response in these settings have prevented hospitalizations/deaths
- Jails
- Residential Care Facilities for the Elderly
- Shelters
- SROs

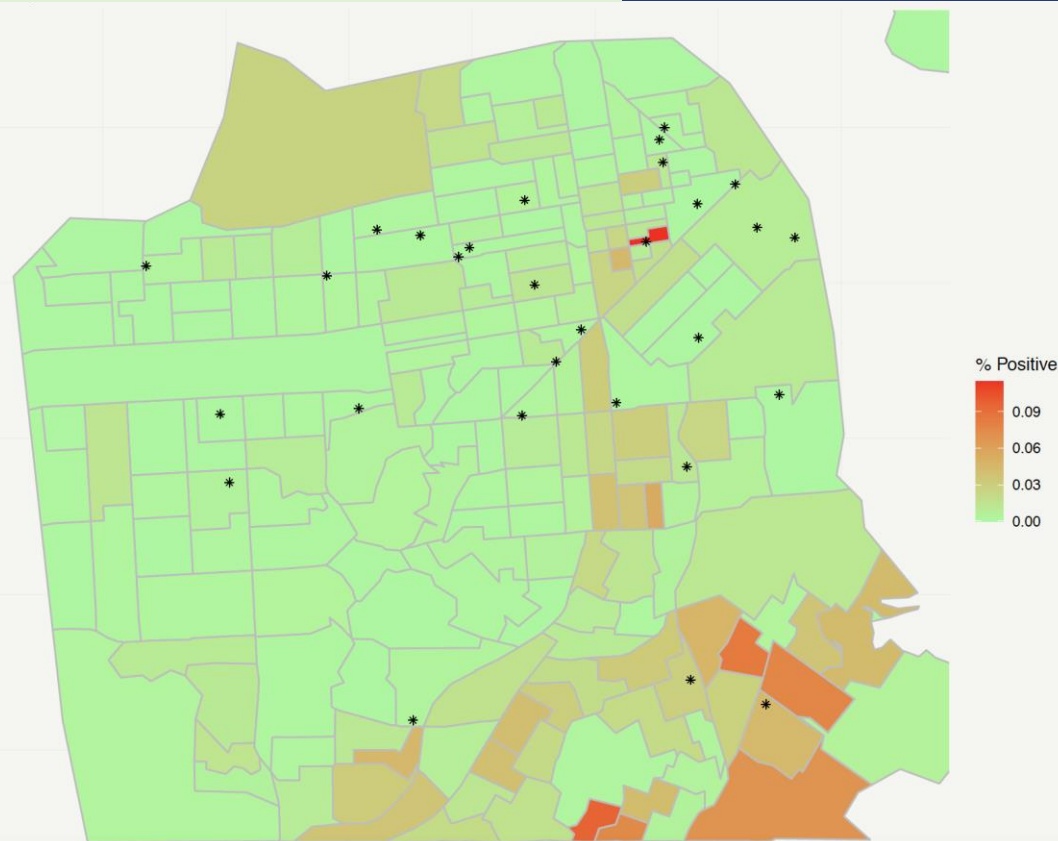


# COVID-19 Prevalence & Testing Intensity: Neighborhoods



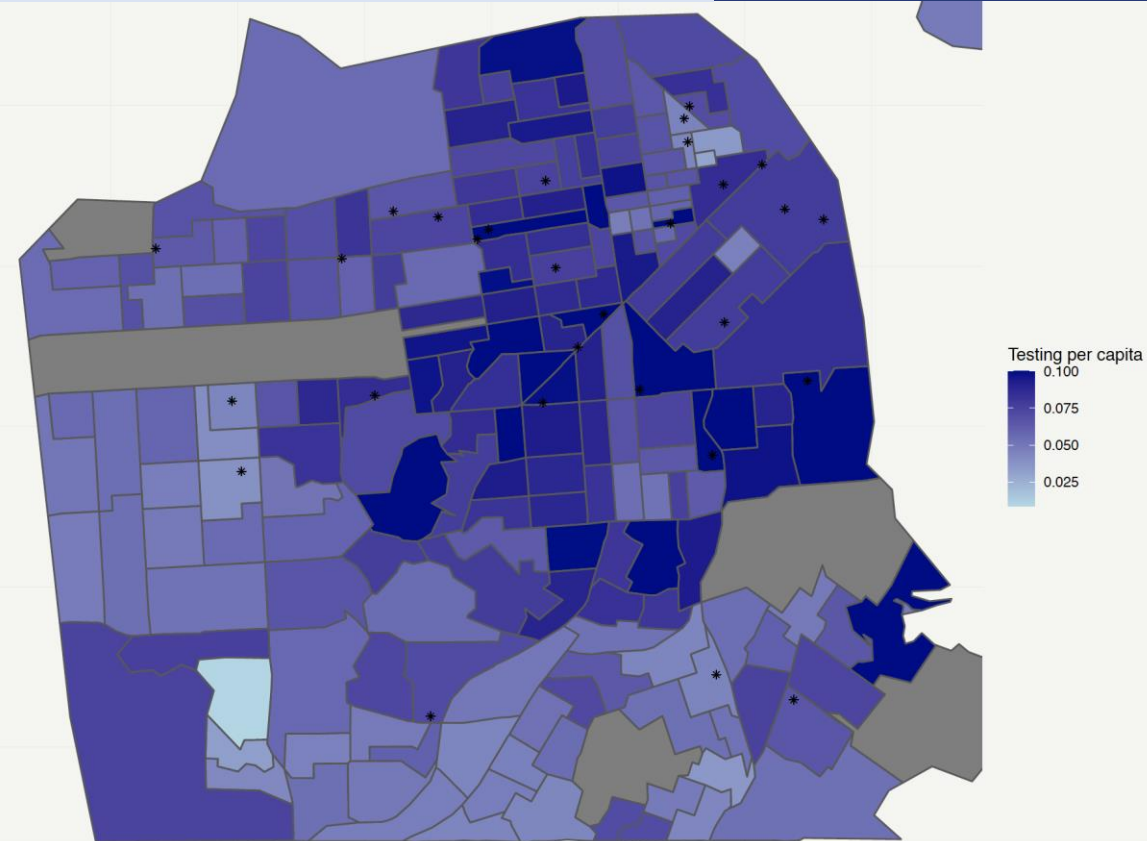
Prevalence by census tract

\*= testing site



Testing per capita by census tract

\*= testing site





# Next Steps

- New testing goal: 5,000 tests/day by early September 2020
- Neighborhood strategy: Concentrating new testing resources to populations and neighborhoods most impacted
- Expanding capacity and speed of sample collection and lab processing
- Ensuring private providers do their part
- Expanding contact tracing capacity
- Incorporating emerging technology into timeline for expanding testing