



# UC SANTA BARBARA

# Economic Forecast Project



**UC SANTA BARBARA**  
**Economic Forecast Project**

**Peter Rupert, Ph.D**

Executive Director

UC Santa Barbara  
Economic Forecast Project

*EFP Informs – Health, Safety and  
Local Business*

# the economic impact of COVID-19

peter rupert  
professor of economics  
university of california, santa barbara  
director, ucsb economic forecast project

Webinar  
August 6, 2020

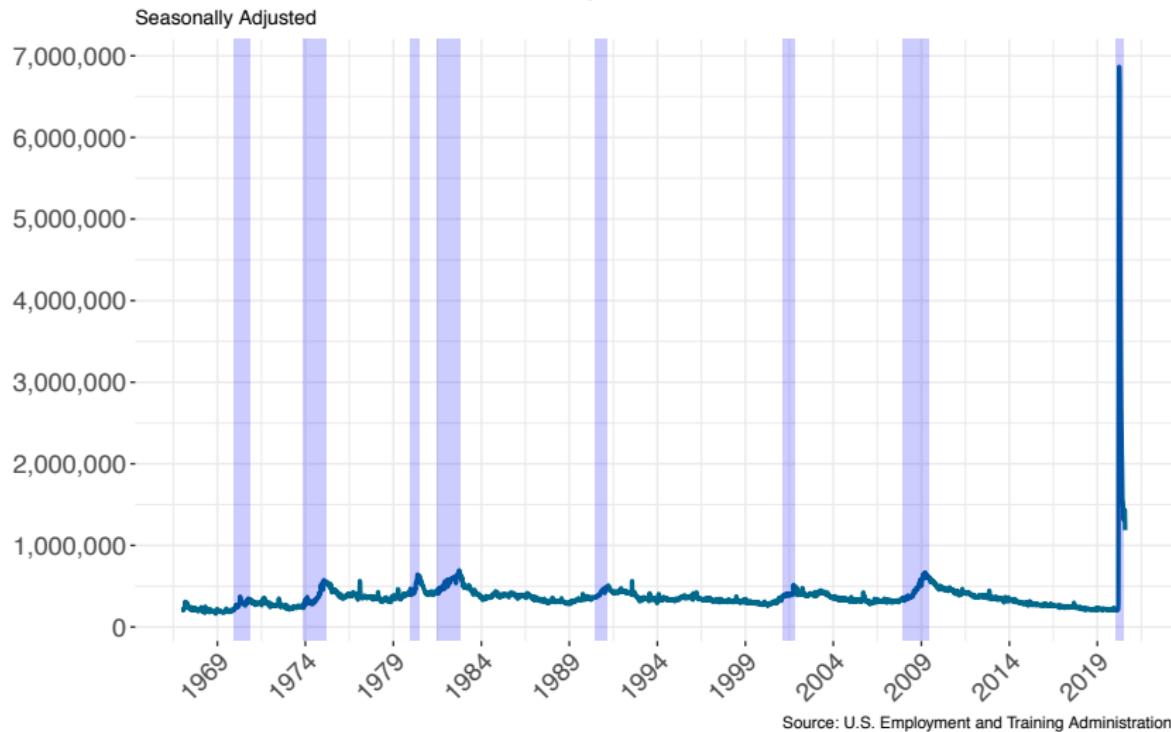
# quick story

- don't believe anyone!!

## quick story

- don't believe anyone!!
  - except who you hear today
  - difficult to interpret economic data
- why?
  - in uncharted economic territory
  - maybe health too?

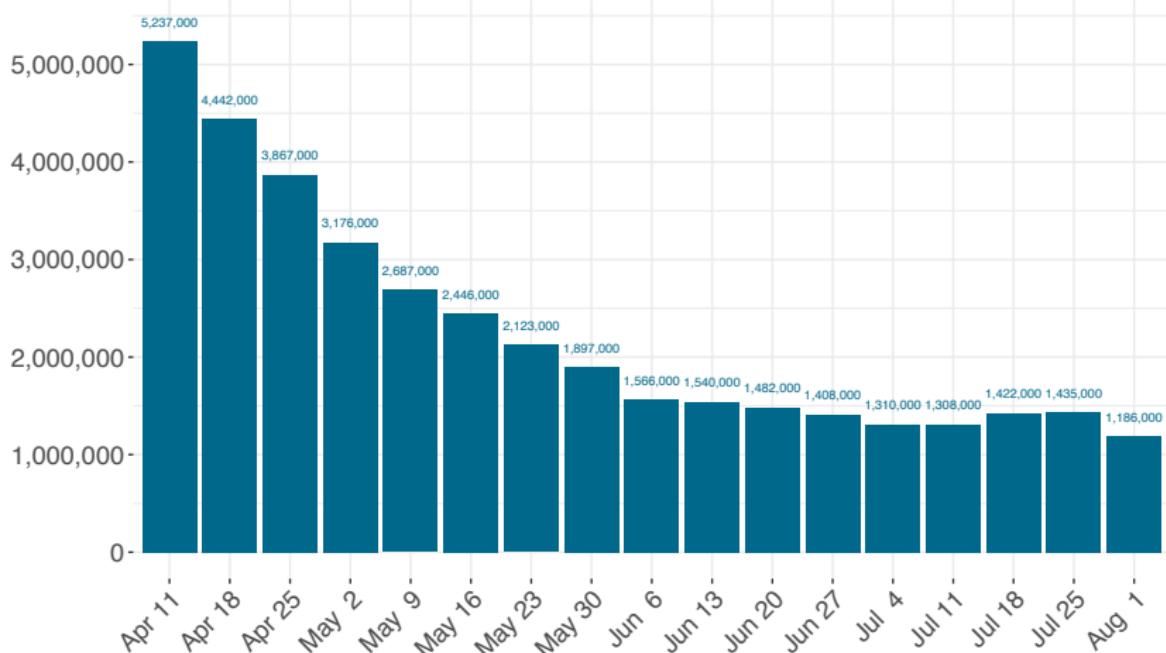
## Weekly Initial Claims



Source: U.S. Employment and Training Administration

## Weekly Initial Claims

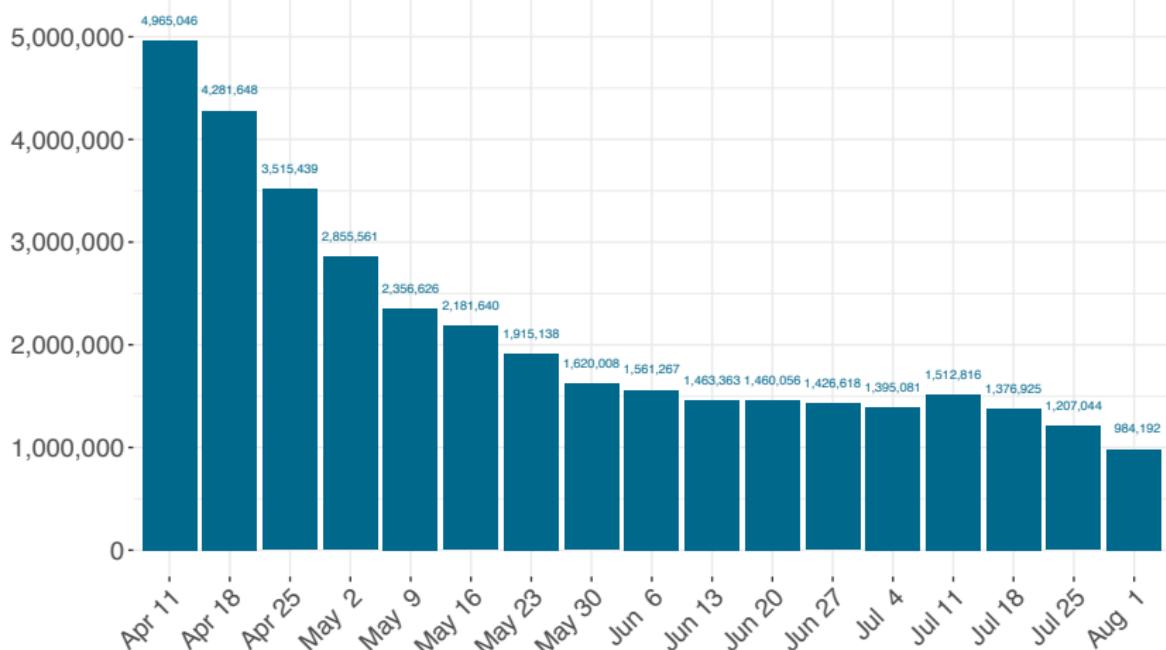
Seasonally Adjusted



Source: U.S. Employment and Training Administration

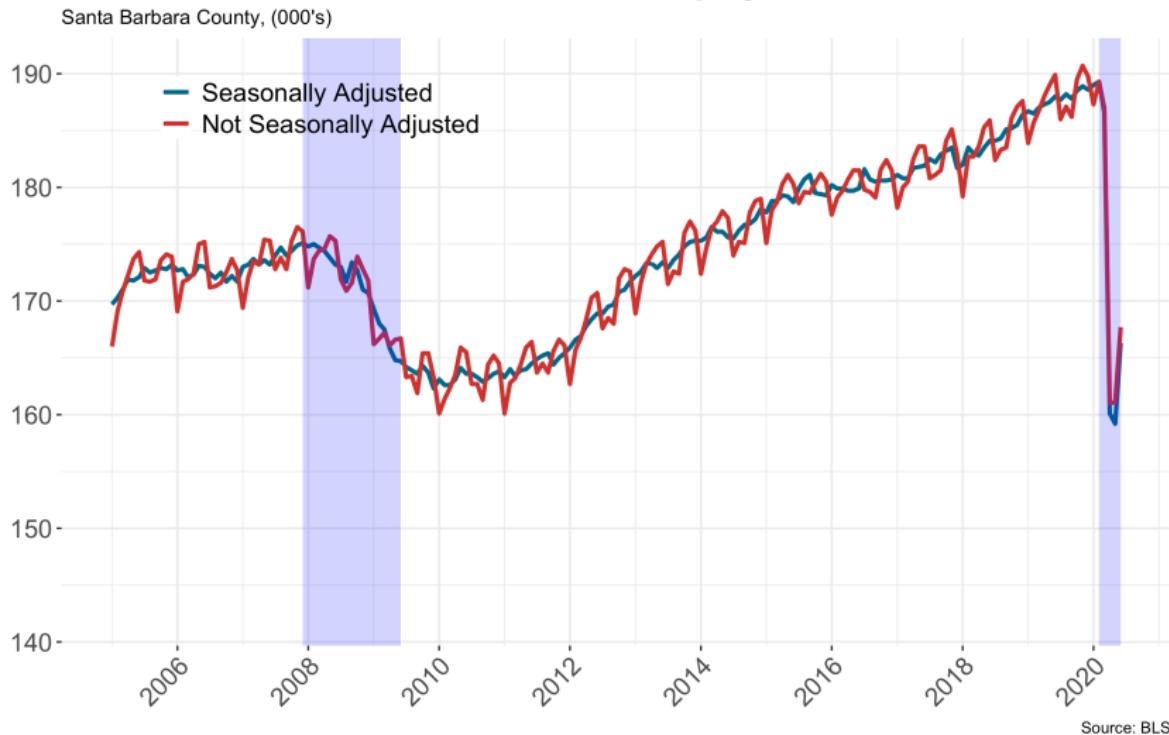
## Weekly Initial Claims

Not Seasonally Adjusted



Source: U.S. Employment and Training Administration

## Non-Farm Total Employment



## Unemployed Persons, Santa Barbara County

Not Seasonally Adjusted



Source: BLS

# Summary

- uncharted territory
- stay safe!!



# UC SANTA BARBARA

# Economic Forecast Project



UC SANTA BARBARA

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**Lynn N. Fitzgibbons, M.D.**  
Infectious Disease Specialist

Cottage Health

# Update on Health, Safety & Local Businesses: Clinical Update

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Lynn N. Fitzgibbons M.D.  
Infectious Diseases, Cottage Health  
August 6th, 2020

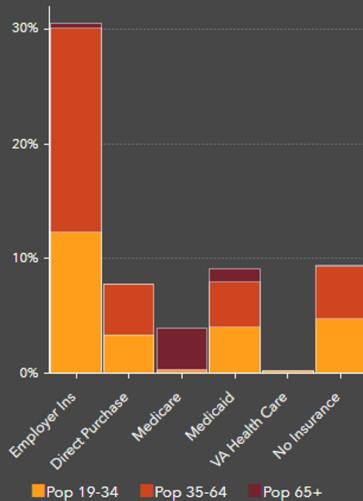
# Where are we?

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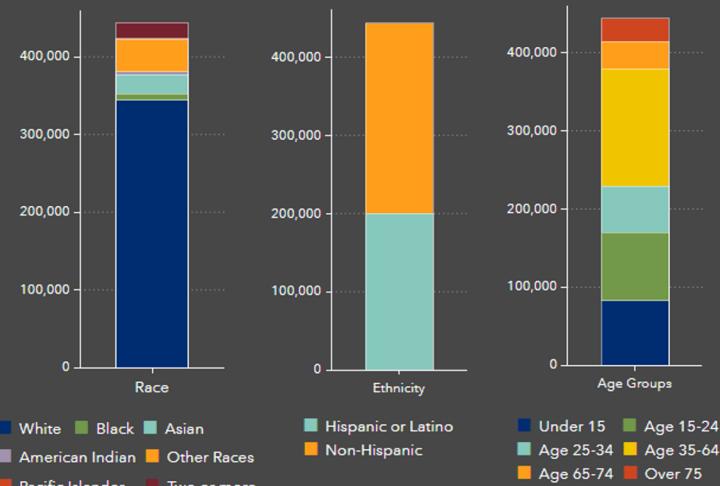
# COVID-19 STATUS REPORT

Santa Barbara, California

## HEALTHCARE FACTS



## POPULATION RACE, ETHNICITY AND AGE



631

Number of  
Staffed Beds



826

Number of  
Licensed Beds



84

Number of  
ICU Beds



54,029

People in  
Poverty (ACS)



443,738

Total Population  
(ACS)



64,775

Population Aged  
65+ (ACS)



0

New Cases Since  
Previous Day



1,462

County Case Per  
100,000 Population

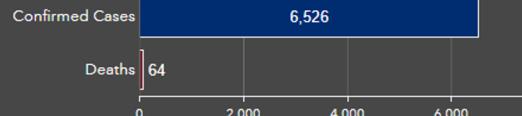


0.98

County Fatality  
Rate

## POLICIES AND CASES

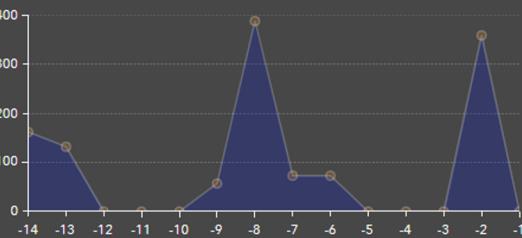
### COUNTY CASE DATA



### California State Statistics

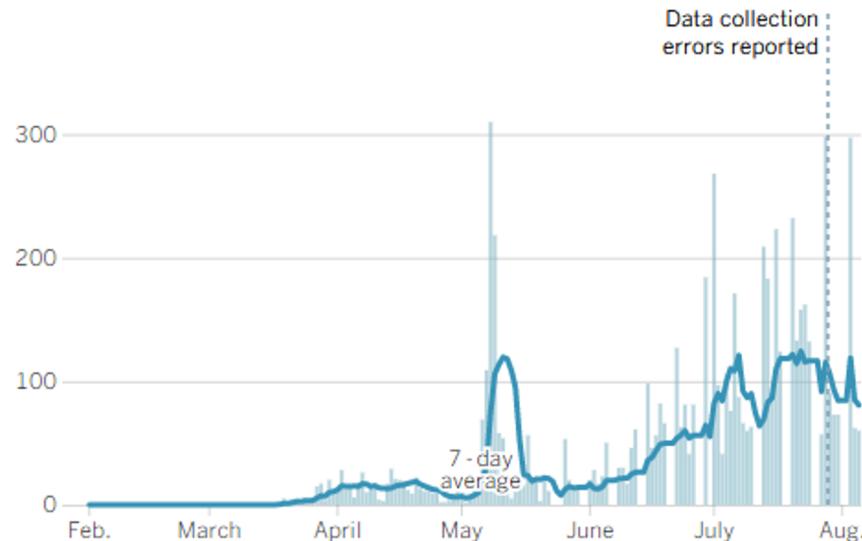
Total Confirmed	Deaths	Fatality Rate	Tested
530,606	9,808	1.85%	8,409,400

### NUMBER OF CASES IN LAST 14 DAYS

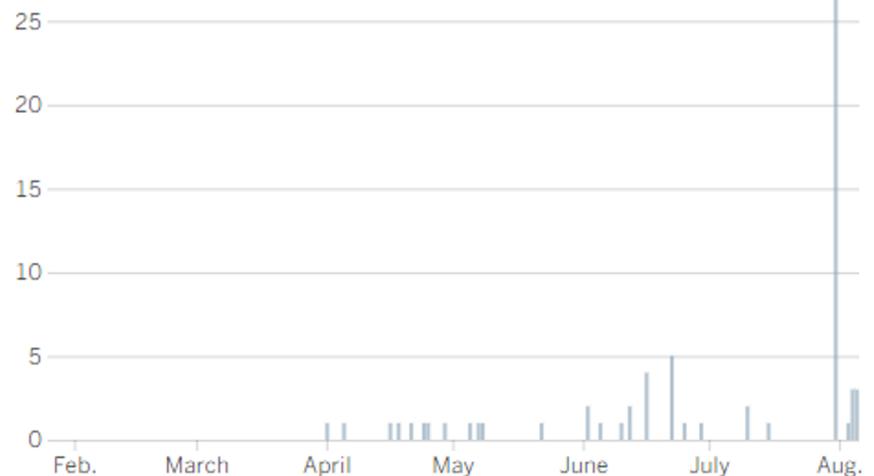


# Santa Barbara County

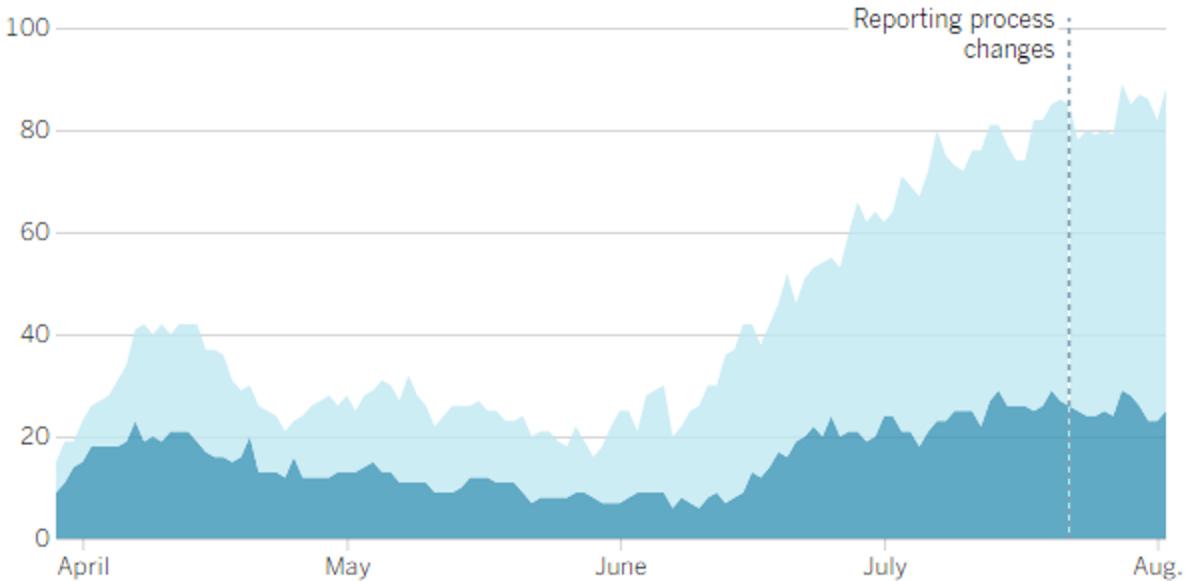
New cases by day



Deaths by day



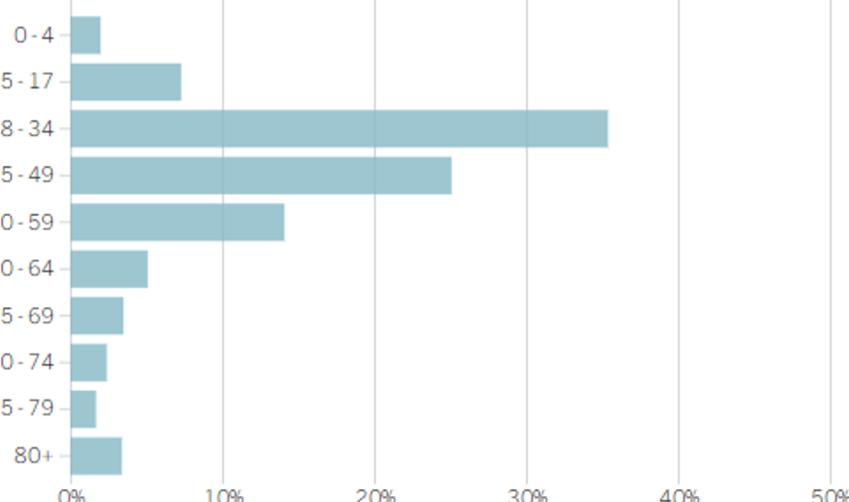
## Intensive care and other hospitalized patients



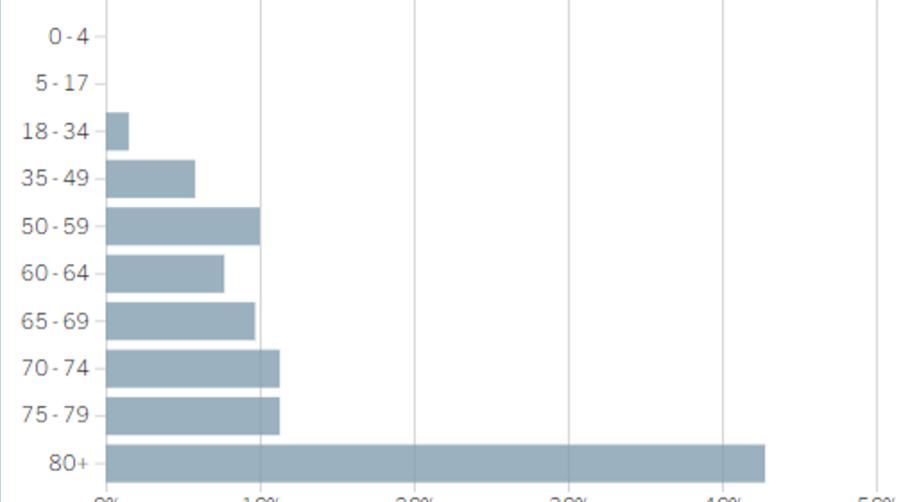
California Department of Public Health

# Who is becoming infected and who is at risk of dying? (California)

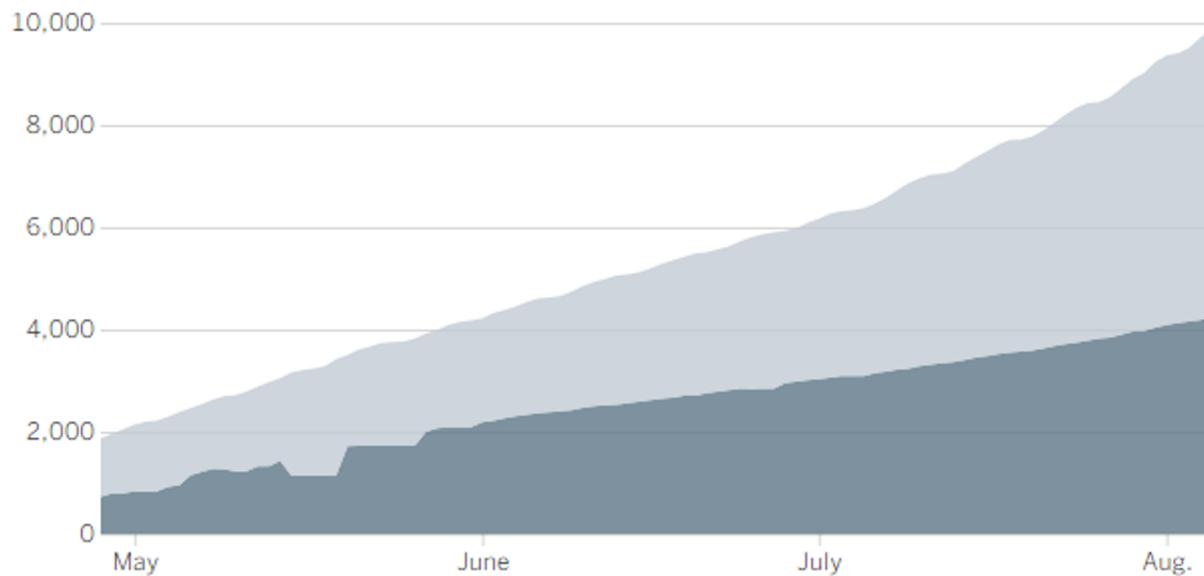
Percentage of cases by age



Percentage of deaths by age

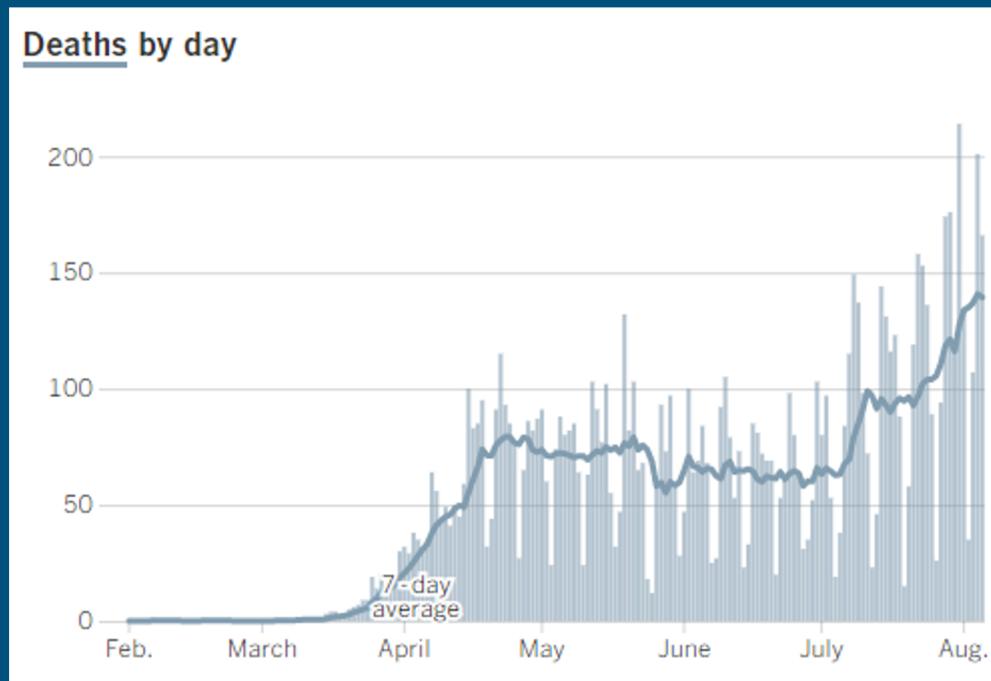


### Deaths at nursing homes vs. elsewhere



California Department of Public Health

## California



# The Latest (what do we know now, that we didn't know then?)

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## Clinical Course and Molecular Viral Shedding Among Asymptomatic and Symptomatic Patients With SARS-CoV-2 Infection in a Community Treatment Center in the Republic of Korea

Seungjae Lee, MD; Tark Kim, MD; Eunjung Lee, MD; Cheolgu Lee, MD; Hojung Kim, MD; Heejeong Rhee, MD; Se Yoon Park, MD; Hyo-Ju Son, MD; Shinae Yu, MD; Jung Wan Park, MD; Eun Ju Choo, MD; Suyeon Park, MS; Mark Loeb, MD; Tae Hyong Kim, MD

# Transmission

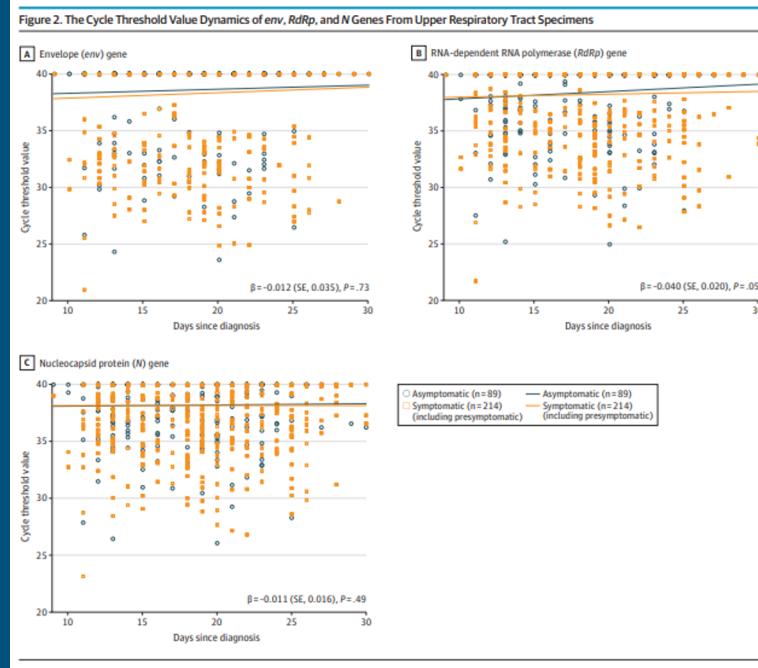
Primarily direct person-to-person droplet spread (>>airborne, surface spread)

Most efficient transmission:

- Close, household contacts, or
- People within an indoor space, without masks, for at least 15 minutes, and within 6 feet of one another

Patients who develop symptoms are most infectious around the time symptoms begin (from 1-2 days before to a few days after)

Asymptomatic and Presymptomatic persons?



# Masks and other Risk Mitigation Strategies

The rationale for all individuals (regardless of symptoms) to wear a mask or face covering in the community is primarily to contain secretions of and prevent transmission from individuals with infection, including those who have asymptomatic or presymptomatic infection

Individuals who develop an acute respiratory illness (eg, with fever and/or respiratory symptoms) or other symptoms consistent with COVID-19 should be encouraged to self-isolate at home and seek medical care as indicated (virtual/telephone care when possible)

Morbidity and Mortality Weekly Report (MMWR)

CDC



Absence of Apparent Transmission of SARS-CoV-2 from Two Stylists After Exposure at a Hair Salon with a Universal Face Covering Policy — Springfield, Missouri, May 2020

Weekly / July 17, 2020 / 69(28):930-932

On July 14, 2020, this report was posted online as an MMWR Early Release.

M. Joshua Hendrix, MD<sup>1</sup>; Charles Walde, MD<sup>2</sup>; Kendra Findley, MS<sup>3</sup>; Robin Trotman, DO<sup>4</sup> ([View author affiliations](#))



# Isolation Considerations

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The likelihood of recovering replication-competent (infectious) virus, declines after symptoms begin

- In those with mild or moderate COVID-19, infectious virus has not been recovered after 10 days of symptoms
- Infectious virus has been isolated in patients with severe COVID-19 or who are immunocompromised

Although replication-competent virus has not been isolated more than 3 weeks after symptom onset, recovered patients can continue to have SARS-CoV2 RNA detected in their upper respiratory specimens for 12 weeks

- PCR can remain persistently or intermittently positive
- Investigation of 285 persistently positive persons (126 appeared to have recurrent symptoms) showed no secondary infections among 790 contacts to these cases

Infection appears to induce protective antibodies in many people, but it's unknown who will mount a protective immune response and for how long

- Serology/antibody testing is still not recommended to inform clinical or infection control decisions



## Coronavirus Disease 2019 (COVID-19)

MENU >

HEALTHCARE WORKERS

# Duration of Isolation and Precautions for Adults with COVID-19

Updated July 22, 2020

Print



# Recommendations

## 1. Duration of isolation and precautions

- For most persons with COVID-19 illness, isolation and precautions can generally be discontinued 10 days *after symptom onset<sup>1</sup>* and resolution of fever for at least 24 hours, without the use of fever-reducing medications, and with improvement of other symptoms.
  - A limited number of persons with severe illness may produce replication-competent virus beyond 10 days that may warrant extending duration of isolation and precautions for up to 20 days after symptom onset; consider consultation with infection control experts.
- For persons who never develop symptoms, isolation and other precautions can be discontinued 10 days *after the date of their first positive RT-PCR test for SARS-CoV-2 RNA*.

## 2. Role of PCR testing<sup>2</sup> to discontinue isolation or precautions

- For persons who are severely immunocompromised, a test-based strategy could be considered in consultation with infectious diseases experts.
- For all others, a test-based strategy is no longer recommended except to discontinue isolation or precautions earlier than would occur under the strategy outlined in Part 1, above.

## 3. Role of PCR testing<sup>2</sup> after discontinuation of isolation or precautions

- For persons previously diagnosed with symptomatic COVID-19 who remain asymptomatic after recovery, retesting is not recommended within 3 months after the date of symptom onset for the initial COVID-19 infection.
- For persons who develop new symptoms consistent with COVID-19 during the 3 months after the date of initial symptom onset, if an alternative etiology cannot be identified by a provider, then the person may warrant retesting; consultation with infectious disease or infection control experts is recommended. Isolation may be considered during this evaluation based on consultation with an infection control expert, especially in the event symptoms develop within 14 days after close contact with an infected person.
- For persons who never developed symptoms, the date of first positive RT-PCR test for SARS-CoV-2 RNA should be used in place of the date of symptom onset.

## 4. Role of serologic testing

- Serologic testing should not be used to establish the presence or absence of SARS-CoV-2 infection or reinfection.

[1] Symptom onset is defined as the date on which symptoms first began, including non-respiratory symptoms.

[2] PCR testing is defined as the use of an RT-PCR assay to detect the presence of SARS-CoV-2 RNA.

# Summary

The COVID-19 epidemic is now well established on the national, state and local levels

Hospitalization and death data are the most objective metrics to follow a community's condition, but both are delayed metrics

After a brisk resurgence of cases, hospitalizations and deaths state-wide in June/July, some signal that a plateau is underway

Data remains critically important now and to help inform both population-level and individual-level decisions

More is understood about the virus, transmission and infectivity every week, with important changes in late July regarding isolation recommendations

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Thank you

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# UC SANTA BARBARA

# Economic Forecast Project



**UC SANTA BARBARA**

**Economic Forecast Project**

**Nancy Anderson**  
Assistant CEO

County of Santa Barbara



## Reopening Your Business in Santa Barbara County



County Call Center (833) 688-5551 9:30 a.m. – 5:30 p.m. Mon-Fri

August 6, 2020

# COVID19.CA.GOV – Monitoring List

ON AUGUST 5, 2020

		Elevated Disease Transmission	Increasing Hospitalization	Limited Hospital Capacity		
Threshold	<150	Case Rate >100 OR Case Rate >25 AND Positivity >8%	>10% Increase	<20% ICU Beds Available OR 25% Ventilators Available		
County	Avg # tests per day (per 100,000 population) (7 day average with a 7 day lag)	Case rate per 100,000 (14 days)	Testing positivity (%) (7 day average with a 7 day lag)	% Change in 3-day avg COVID+ hospitalized patients	% ICU beds currently available	% Ventilators currently available
Santa Barbara	233.5	229.2	10.3	N/A	N/A	N/A
San Luis Obispo	204.7	140.2	✓	N/A	N/A	N/A
Ventura	254.3	167.2	8.1	N/A	N/A	N/A

# Public Health Department Dashboard

<https://publichealthsbc.org/santa-barbara-county-reopening-metrics/>

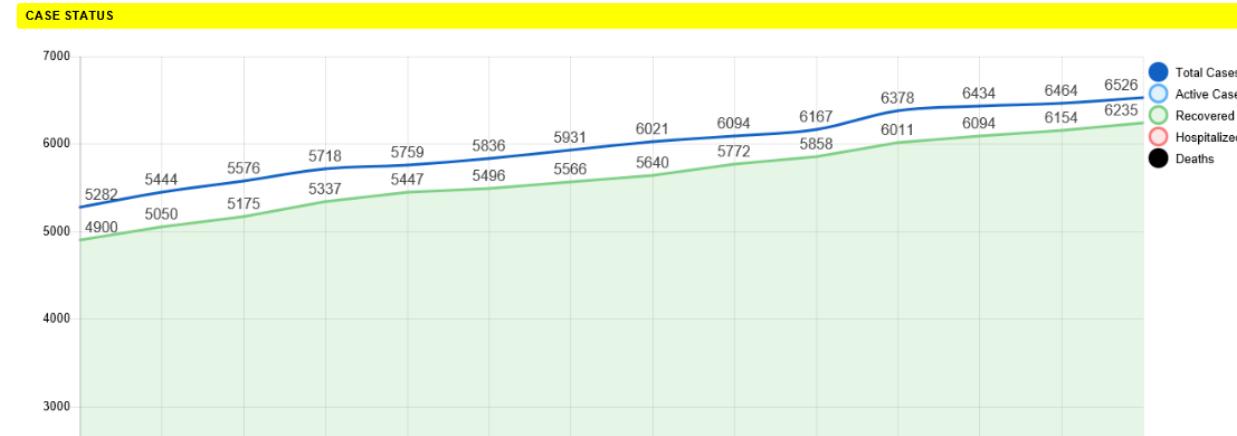
Santa Barbara County Reopening Metrics (View Only) :: [smartsheet](#) [Report Abuse](#) [Help](#)

SUMMARY	NEW CASES	ACTIVE CASES	TESTING (TODAY)	DEATHS
Total Cases: 6526 New Cases: 62 Active Cases: 227 Recovered: 6235 Deaths: 64	New Cases Today: 62 New (COMMUNITY): 62 New (INMATES): 0 WEEK-ON-WEEK (#): 595 WEEK-ON-WEEK (%): 10%	Active Cases: 227 Daily Change in Active: -22 % Change Today: -9% WEEK-ON-WEEK (#): -106 WEEK-ON-WEEK (%): -32%	Tests Today: 469 Positive: 62 Negative: 406 % Positive: 13% Tests per 1000 (TODAY): 1.05	Deaths Reported Today: 3 Deaths (total): 64 Death Rate: 1%

**MODE OF TRANSMISSION**  
 Community Close Contact Transmission: 2107  
 FCI: Close Contact Transmission: 1019  
 Travel Transmission: 12  
 Community Transmission: 1270  
 Unknown: 1987  
 Under Investigation: 131

**MODE OF TRANSMISSION DEFINITIONS:**  
 Community Close Contact Transmission = Contact to a known case in the Community or within the Federal Correction Institution (FCI)  
 Travel Transmission = Recent travel outside the county  
 Community Transmission = Not travel-related or contact to a known case  
 Unknown = Transmission status is unknown  
 Under Investigation = Investigation still underway

The 28 new deaths reported on 7/31/2020 reflect deaths occurring during the 4/1/2020 to 7/30/2020 time period.



# RISE BUSINESS RECOVERY UPDATE

## STATE CHANGES:

- July 1 – Closed Indoor Operations
  - Dine-in Restaurants
  - Zoos/Museums
  - Cardrooms
  - Beverage Industry
  - Movie Theaters/Family Entertainment
- July 13 - sectors added to Closed Indoor Operations; Outdoor allowed:
  - Gyms and fitness centers
  - Indoor Protests
  - Hair Salons and Barbershops
  - Personal Services (Nail Salons, Tattoo Parlors, Waxing, Massage Services)
  - Places of Worship
  - Offices for non-essential sectors
  - Indoor Malls
- August 3
  - Revised School Guidelines and Checklist; added Sports Info
  - New sector guidance Youth Sports Programs

## PUBLIC HEALTH ORDER CHANGES:

- Face Coverings – HOO 2020-10.1 – July 23, 2020
- County Health Order 2020-12.5 – July 14, 2020

# Where are we now?

## Santa Barbara County's R.I.S.E. Guide and the Governor's Resilience Roadmap

### STAGE 1

#### COMPLETE

- Agriculture & Livestock
- Auto Dealerships
- Childcare Programs & Providers
- Communications
- Construction
- Delivery Services
- Energy & Utilities
- Food Packing
- Hotels & Lodging\*
- Life Sciences
- Logistics & Warehousing
- Manufacturing
- Mining & Logging
- Office Workspaces \*
- Ports
- Public Transit
- Real Estate Transactions
- Retail

### STAGE 2

#### COMPLETE

- Personal Services, limited to: car washes, pet grooming, tanning facilities, landscape & gardening
- Outdoor Museums & Open Gallery Spaces
- Tribal Casinos
- Schools
- Day Camps

**Outdoor/ pick-up only;  
No indoor operations until  
further notice:**

- Dine-in Restaurants
- Office-based Businesses
- Faith-based Organizations
- Hair Salons & Barbershops
- Destination Retail, including shopping malls & swap meets

### STAGE 3 OR STAGE 4

#### SANTA BARBARA COUNTY IS HERE

- Campgrounds & Outdoor Recreation
- Music, Film & TV Production
- Professional Sports (No Live Audiences)
- Hotels & Lodging for Tourism and Leisure
- Youth/Recreation Sports Programs

**Outdoor and pick-up only; No indoor operations until  
further notice:**

- Beverage Industry (Wineries & Tasting Rooms Only)
- Movie Theaters & Family Entertainment Centers
- Zoos & Museums
- Cardrooms & Racetracks
- Gyms & Fitness Centers
- Personal Services: nail salons, tattoo parlors, waxing, massage

**Closed effective July 1, 2020, unless operating outdoors/pick-up  
as Dine-in Restaurant:**

- Beverage Industry (Brewpubs, Bars, Breweries & Lounges)

**Awaiting State Guidelines:**

- Indoor Playgrounds
- Live Theater
- Saunas & Steam Rooms
- Higher Education
- Nightclubs, Concert Venues, Festivals, Theme Parks

\*(essential workers only)

# Protect. Respect. Campaign – [www.protectrespect.org](http://www.protectrespect.org)

**PROTECT.  
RESPECT.**

WEAR YOUR MASK.

**PROTÉJASE.  
RESPETE.**

USE SU MASCARILLA.



## PROTECT. RESPECT. WEAR YOUR MASK.

Help us support local economic opening efforts and slow the spread of COVID-19 in Santa Barbara County.

[LEARN MORE](#)



# Signage Available - Recoverysbc.org

## DOWNLOADABLE INFO GRAPHICS AND SIGNAGE FOR COVID-19 HEALTH AND SAFETY

The Santa Barbara County Public Health Department has made health and safety infographics and signage available for businesses seeking to reopen. These PDFs can be downloaded and printed. Signage can be placed in your place of business to alert customers of your efforts to secure the environment while ensuring the health and safety of your staff.

### INFOGRAPHICS

- Additional restaurant guidance – [English](#)
- Before You Open: Workplace Readiness Checklist – [English Español](#)
- Retail: Social Distancing Protocol – [English Español](#)
- Retail: Measures to Prevent Contact and Gathering – [English Español](#)
- General: Measures to Protect Employee Health – [English Español](#)
- Retail: Measures to Increase Sanitization – [English Español](#)
- REVISED Face Coverings Explained – [English](#)

### SIGNAGE:

- NEW Mandatory Face Covering Notice – [Bilingual](#)
- How we are Protecting Our Customers – [English Español](#)
- Proper Hand Washing Techniques – [English Español](#)
- Stop the Spread of Germs – [English Español](#)
- Social Distancing – [Bilingual](#)

# RECOVERYSB.C.ORG WEBSITE



## REOPENING YOUR BUSINESS IN SANTA BARBARA COUNTY

Find out about the County of Santa Barbara's requirements for you to reopen your business. You will learn what is required for different workplaces to reopen including guidance in preparing a plan based upon your industry and how to put the plan into action.

[GET STARTED](#)



## THE RISE GUIDE

The County of Santa Barbara's RISE (Reopening in Safe Environment) Guide outlines the steps for reopening that can be safely taken in our community. Developed by medical experts and supported by feedback from all sectors of the community, RISE serves as a supplemental guide to the State Health Orders.

[THE RISE GUIDE](#)



## SMALL BUSINESS AND COMMUNITY PARTNERSHIP ENHANCED PROGRAM (SBCPEP)

Want to take your business outdoors? Check out this special allowance that provides businesses or other organizations to expand into adjacent public right-of-way outdoor areas in the unincorporated areas of the county.

[LEARN MORE](#)



## STAGES OF REOPENING

As of May 21, 2020, the County of Santa Barbara entered Stage 2B of reopening. The types of businesses allowed to reopen in this phase of Stage 2 include dine-in restaurants (with modifications), schools and childcare, retail stores and shopping malls, and some offices.

[LEARN MORE](#)

# Reopening Self-Certification Process On-line



The County developed an on-line Self-Certification process for businesses reopen under the State's Roadmap. The link to this is <https://recoverysbc.org/reopen-your-business/>.

Businesses are required to do the following:

- Review State and local guidance;
- Complete a COVID-19 Prevention Plan; and
- Self-certify that they can open safely.

# Reopening Self-Certification by the Numbers

As of Wednesday, August 5, 2020



**3,819 Business Submittals Countywide**

Cities 3,507

Unincorporated 309

## TOP 10 INDUSTRY SECTORS

899 Dine-In Restaurants

159 Gyms & Fitness

668 Retail Stores

136 Personal Services

437 Office Workspaces

108 Hotels (Tourism)

295 Hair Salons/Barbershops

106 Wineries/Bars

189 Limited Services

71 Construction

# RISE Ambassadors

(833) 688-5551



*Coordinated by the Emergency Operations Center*

## RISE Ambassadors

Represent the County to conduct business checks/reviews to confirm that businesses are aware of the Self-Certification process and where to find resources.

## Goal

Assist local businesses to understand and comply with guidelines for reopening and ensure the public enjoys a safe re-opening of businesses.

# Enforcement – Report A Violation

## REPORT A VIOLATION

Governor Gavin Newsom issued a Stay at Home Order (Governor's Executive Order N-33-20) for Californians that went into effect on March 19, 2020. This order is in place until further notice. Clarifications and restrictions provided by Santa Barbara County Health Officer Orders can be [found here](#).

If you want the County to investigate potential violations of the Protection Plan Protocols or the health order currently in effect, please complete this form with as much information as possible.

### REPORT A VIOLATION

#### COVID-19 Complaint Form

##### Governor's Executive Order N-33-20

Governor Gavin Newsom issued a [Stay at Home Order](#) (Governor's Executive Order N-33-20) for Californians that went into effect on March 19, 2020. This order is in place until further notice. Clarifications and restrictions provided by Santa Barbara County Health Officer Orders can be found here: <https://publichealthsbc.org/health-officer-orders/>.

If you would like the County to investigate potential violations of this order, please complete this form with as much information as possible.

\* 1. What industry violation are you reporting?

- Agriculture and Livestock
- Auto Dealers and Auto Rental
- Bars, Nightclubs, Tasting Rooms
- Communications
- Construction
- Delivery Services
- Dine-in Restaurants
- Energy and Utilities
- Food Packing
- Hotels/Motels
- Life Sciences
- Other (please specify)
- Limited Services
- Logistics
- Manufacturing
- Mining and Logging
- Office Workspace
- Outdoor Museums and Galleries
- Pet Grooming
- Public Transit
- Real Estate
- Retail

# Small Business & Community Partnership Enhancement Program (SBCPEP)



*Developed by Public Works & Planning and Development*

## **Phase 1 – Public Rights-of-Way**

- Allows expansion into adjacent public right-of-way outdoor areas in the unincorporated areas of the county to accommodate required social and physical distancing protocols and safe practices.

## **Phase 2 – Private Property - Parking lots, etc.**

Instructions and Applications available at [RecoverySBC.org](http://RecoverySBC.org) or contact

Santa Maria Permits  
(805) 803-8750

Santa Barbara Permits  
(805) 681-4990

# Resources and Questions

For questions related to business reopening call (833) 688-5551 or email [EHSadmin@sbcphd.org](mailto:EHSadmin@sbcphd.org).

For questions related to the SBCPEP Rights-of-Way application call the Santa Barbara Permit Office at (805) 681-4990 or Santa Maria Office at (805) 803-8750.

County Website: RecoverySBC.org



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