



Happy  
Thanksgiving!



**Ailluminatex**

<https://www.ailluminatex.com>

# Ailysium Covid19 Assistant



Bio-Forecasting

Happy Early  
Thanksgiving Week

# What's Your REAL COVID19 RISK FACTOR?

## *CR Score*<sup>®</sup>

What's your Covid19 Risk, at any time,  
anywhere, any activity, and  
given your Health?

# Ailysium



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## Covid19 Assistant – Thanksgiving 2020

- **Ailysium**, what's my Risk? going to a Grocery, for Thanksgiving?
- **Ailysium**, Which Hotel should I stay?
- **Ailysium**, what city has the lowest Risk for a
  - Eating out and shopping at a Mall?
    - That is close to Berkeley.
- **Ailysium**, What's the Risk of going to a Mall for shopping? (Black Friday)
- **Ailysium**, What if Thanksgiving dinner is with 25, 50, 100 guests in Stanford?
- **Ailysium**, What about if the Potluck Thanksgiving Party is in Santa Clara?  
What if we go to Monterey or Sierra?

# Ailysium



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## Covid19 Assistant

# What's Your Risk for Going to a Grocery Store?

Observes Social Distancing

VS.

No Mask and Distancing

Shopping for Turkey &  
Thanksgiving Dinner

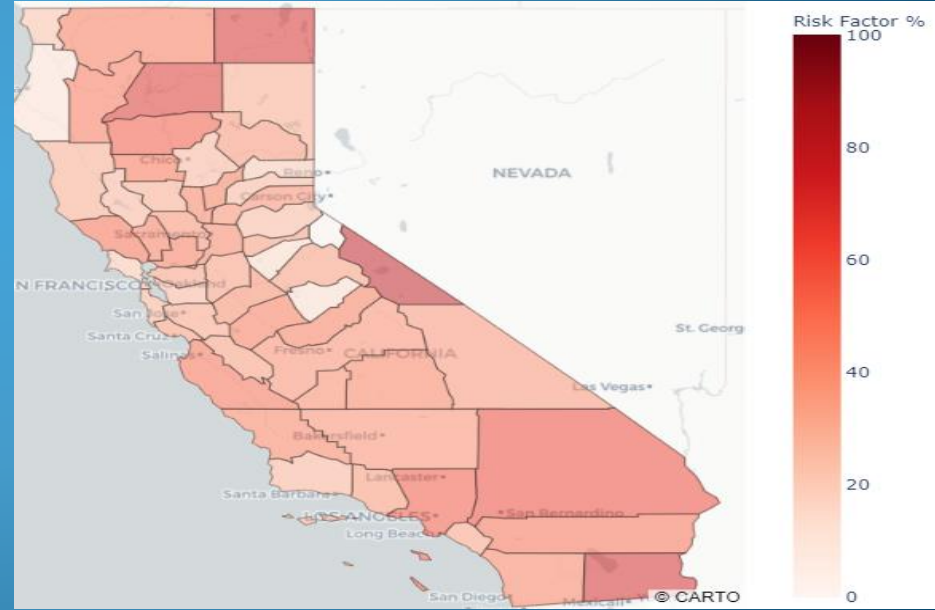
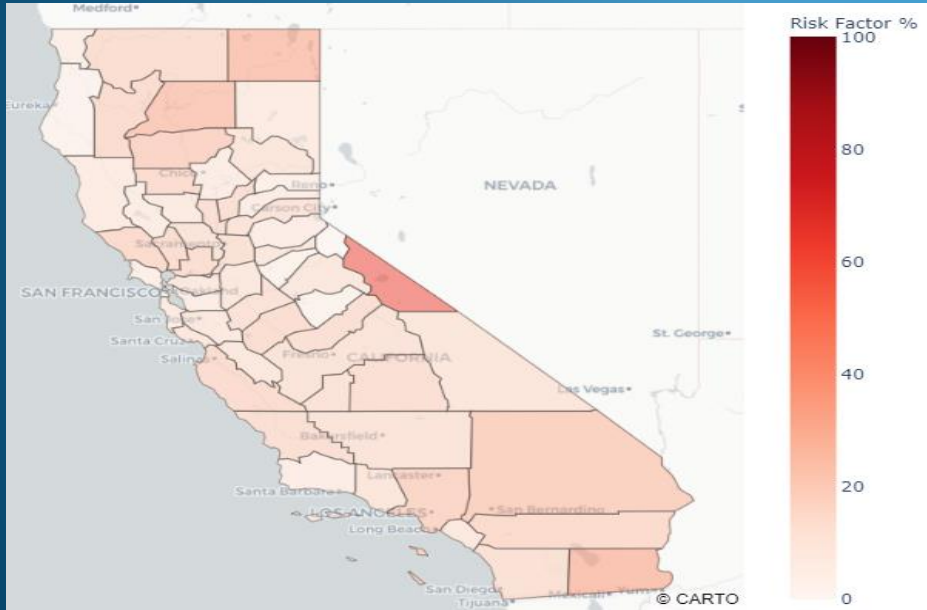
# Risk Factor: Going to a Grocery Store



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## Social Distancing & Mask

## No Social Distancing & Mask

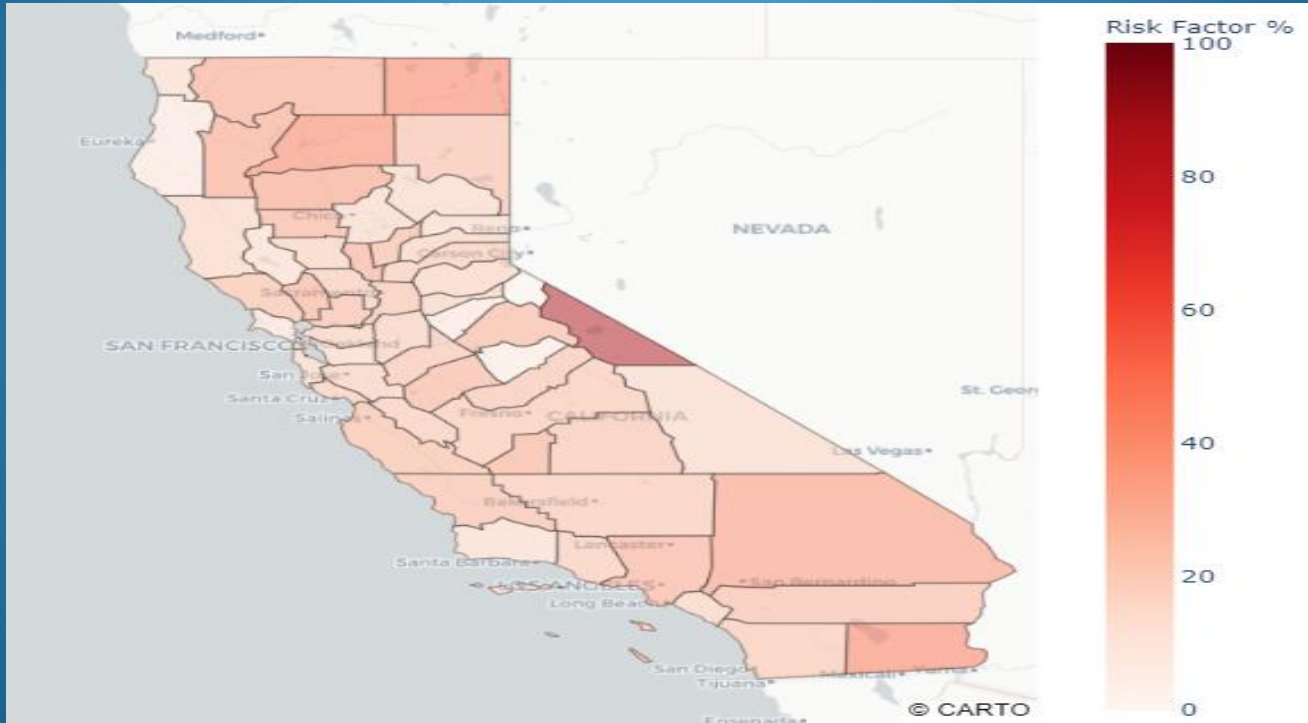


# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Average Business Risk**

# Ailysium



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## Covid19 Assistant – Thanksgiving 2020

### Ailysium, what's My Risk? Going to a Grocery, for Thanksgiving?

- Business Risk
  - What's the Business Risk for a Grocery Store?
- CR<sup>®</sup> Score: Individual Risk x Business Risk
  - What's Your Risk–Given Your Individual Risk- for Going to a Grocery Store?

Any Time of the Day? And Day or Week?  
(i.e. Between 6am to 9pm on Wednesday)

(Prior to Thanksgiving)



# Ailysium- Covid19 Assistant

## Risk Score<sup>®</sup> for Business



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**Grocery Store**

## What's Your Risk for Going to a Grocery Store?

Any Time of the Day? Any Day of the Week?  
(i.e. 6am to 9pm on Wednesday)  
(Prior to Thanksgiving)

# CR Score<sup>®</sup> Businesses



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- Screening Survey: Takes less than 90 seconds (Initial setup. Then only ~10-20 seconds a day interaction after that)
- Results of Screening Survey: In a Second
- Millions/minutes/everyday
- 40 Languages
- Can be valid for up to a week
- Output:
  - Risk & Confidence Factor
  - Provide recommendation to reduce Risk and gain Confidence

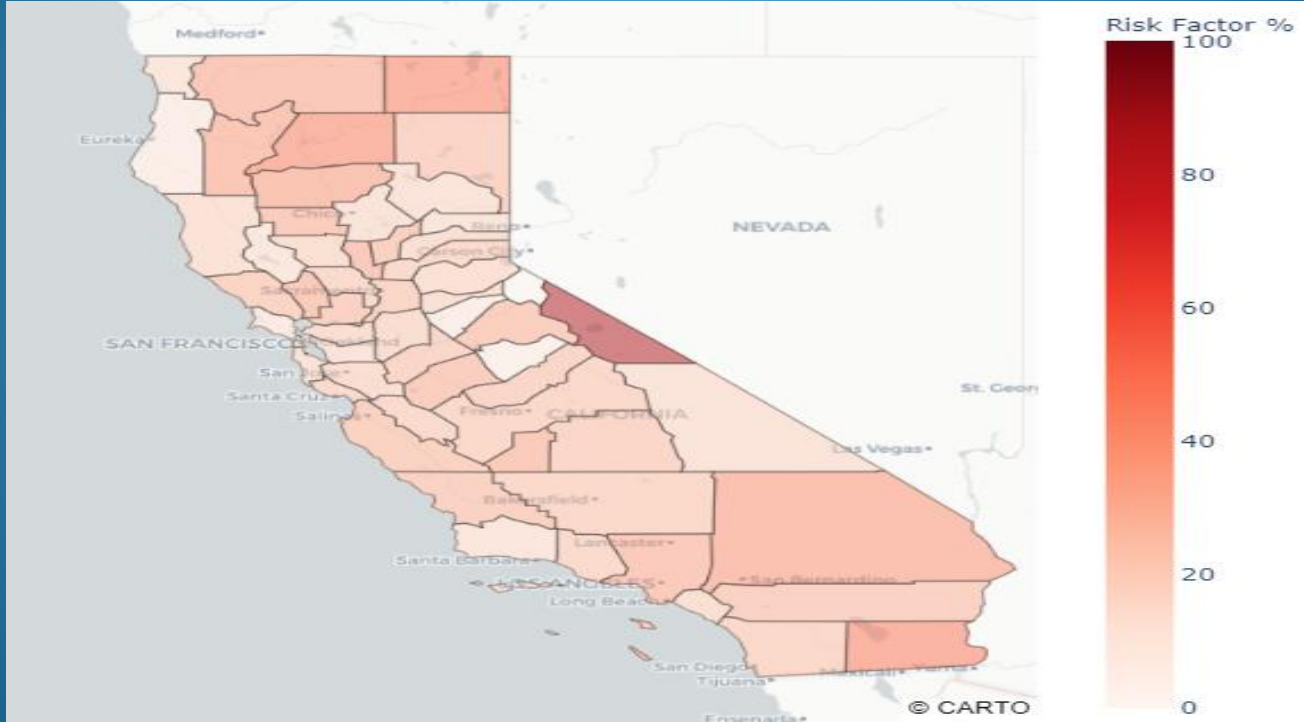
**Commercial bio-  
Forecasting Risk Factor,  
Informed & insightful  
Decisions, & Early  
Warning/Alert System  
Tailored to Businesses  
Interests, Improve  
Confidence and Increase  
Revenue While Serving  
Society and Saving Life.**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Average Business Risk  
During the Day/Week**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Wednesday – 6am-8am**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Wednesday – 8am-11am**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Wednesday -- 11am-5pm**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Wednesday – 5pm-9pm**

# Ailysium- Covid19 Assistant Risk Score<sup>®</sup> for Individual



## What's Your Risk?

### Covid19 – AiX Screening App



# CR Score<sup>®</sup> Individual



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- Screening Survey: Takes 60-90 seconds (Initial setup. Then only 6-10 seconds day interaction after that)
- Results of Screening Survey: In Second
- ~330 Millions/minutes/everyday
- 40 Languages
- Will be valid for a day
- Output:
  - Risk & Confidence Factor
  - Insights to build confidence and reduce risk

Individual Bio-Forecasting, Early Warning Disease and Outbreaks Alert System with Tailored Insightful and Informed Decisions to Individuals, Saves Life and Improve the Quality of Life.

# Covid19 – AiX Screening App

	Covid19 Symptoms	Care Facilities	Exposure + Sick	PreCondition + Profile	Test- Screening Score	Your Test-Screening Score		
	S-Decision 1	S-Decision 2	S- Decision 3	Decision 5	Covid19 Test	Test	75-100	100
Patient #	Decision 1	Decision 2	Decision 3+ 5 + 6	Decision R2+Inf2+Inf1	COVID19- Screening	Test	50-75	75
	0	0	0	0	0	Test	25-50	50
	100	1	100	100	100	Test	10-25	20
xxx- 12647	83	1	44	57	83	Test	10-25	0
xxx-398565	100	1	29	49	100	Test	10-25	0
xxx-792854	83	0	89	47	89	Test	10-25	0
xxx-156483	0	1	52	57	57	Test	10-25	0
xxx-169022	50	1	60	65	65	Test	10-25	0
xxx-930498	100	1	29	49	100	Test	10-25	0
xxx-489265	0	1	52	57	57	Test	10-25	0

Color Codes - Decision							
<b>Call 911</b>	Test	75-100	100	Hospital Test	Quarantine	Save Lives	Live or Die
Isolate Immediately - You need Test	Test	50-75	75	Drive Through Test	Shelter in Place	Shelter in Place/Mitigation	Mitigation/Flattened the Curve
You should Isolate - Call Healthcare Provider			60				
You Should Self Isolate - Call your work	Test	25-50	50	Stay Home (14 Days)	Test Everyone, if possible	Mitigation/Containment	Contact Tracing/Mitigation
You Should Self Isolate			30				
Social Distancing and Stay Home	No Test	10-25	20	Safe	Random Test	Surveillance/Contact Tracing	Containment
You are Safe			0				

# Ailysium- Covid19 Assistant

## Risk Score<sup>®</sup> - CR<sup>®</sup> Score



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**Grocery Store**

### What's Your Risk – Given Your Individual Risk- for Going to a Grocery Store?

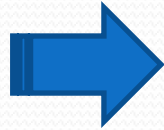
Any Time of the Day? And Day of the Week?  
(i.e. Between 6am to 9pm on Wednesday)  
(Prior to Thanksgiving)

# CR Score<sup>®</sup>



Ailluminatex  
https://www.ailluminatex.com

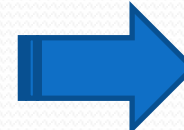
★★★★★ 10/17/2013  
Loved it  
Absolutely Outstanding! The Grounds at Grace Vineyards are stunning... there are SO many photo ops. I must give 5 stars for Steve the owner he is simply wonderful. He was so organized, flexible and prompt I never was stressed. The food was great and the vino was delicious! If your looking for a beautiful venue with many things included this is the place.  
Hated it



facebook  
yelp  
Google Reviews  
It was ok  
Liked it  
It was ok  
Liked it  
Hated it

Personal Information and Credit Information:  
Amount Owed  
New Credit  
Length of Credit History  
Credit Mix  
Payment History

DISCOVER NETWORK  
MasterCard



FICO SCORE  
Scores >799 Exceptional  
Scores 740-799 Very Good  
Scores 670-739 Good  
Scores 580-669 Fair  
Scores <580 Poor

EQUIFAX 775  
Experian 720  
TransUnion 760

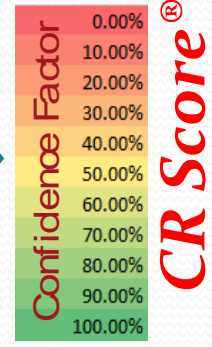
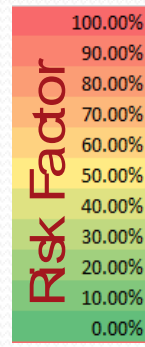
## Covid19 Survey Data (CDC & WHO guidelines)



Type of Event/ Gathering/ Location (Socially Distanced)  
Small (Office/ Restaurant/ Grocery/ Gathering- <=10 People)  
Small-Medium (<=25 People)  
Medium (Small Private Schools or Medium Office, <=100 People)  
Medium-Large (Small-Medium Public Schools, Small Sport Events, <=500 People)  
Large (Medium-Large size Public Schools, Medium Sport Events, Conference-Business Events <=1000 People)  
Large-Large Events, (Large Sport Events, Large Gathering, Concerts, Corporate Events/ Conferences - <=2500 People)

Community Aggregated Data Used for ALERT	Screening RISK Score				
Alternative Decision for Risk Score		Test	75-100	100	Test at Hospital- ER
High Risk → R'0 >= 2	Call Hospital for Test	Test	75-100	100	Test at Hospital- ER
Medium-High Risk → R'0 >1 & <2	Isolate Immediately - You need Test You should isolate - Call Healthcare Provider	Test	50-75	75	Test at Hospital 60 Test at Clinic
Low-Medium Risk → R'0 <=1.0	You Should Self Isolate - Call your work You Should Self Isolate & Stay Home	Test	25-50	50	Drive Through Test 30 Self Serve (Kiosk)
No to Some low Risk → R'0 <=0.5	Social Distancing You are Safe	No Test	10-25	20	No Test 10

Type of Event/Gathering/Location (Socially Distanced)	None-Effective Social Distancing and Medium Touches	Good Social Distancing and Low Touches	Effective Social Distancing and Touch-Less Technology
Large-Large Events (Large Sport Events, Large Gathering, Concerts, Corporate Events/ Conferences - <=2500 People)	88.36%	43.45%	10.14%
Large (Medium-Large size Public Schools, Medium Sport Events, Conference-Business Events <=1000 People)	40.22%	17.38%	4.06%
Medium-Large (Small-Medium Public Schools, Small Sport Events, <=500 People)	22.76%	8.69%	2.03%
Medium (Small Private Schools or Medium Office, <=100 People)	8.46%	1.74%	0.41%
Small-Medium (<=25 People)	4.39%	0.43%	0.10%
Small (Office/ Restaurant/ Grocery/ Gathering- <=10 People)	1.27%	0.17%	0.04%



## CR Score<sup>®</sup>

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**CR Score®**



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**Individual Risk x Business Risk**

**Covid19 Assistant**

**How to Calculate Your REAL RISK,  
At any Time of the Day, any Day of the Week,  
for any Specific Activity,  
Given Your Personal Risk to Covid19?**

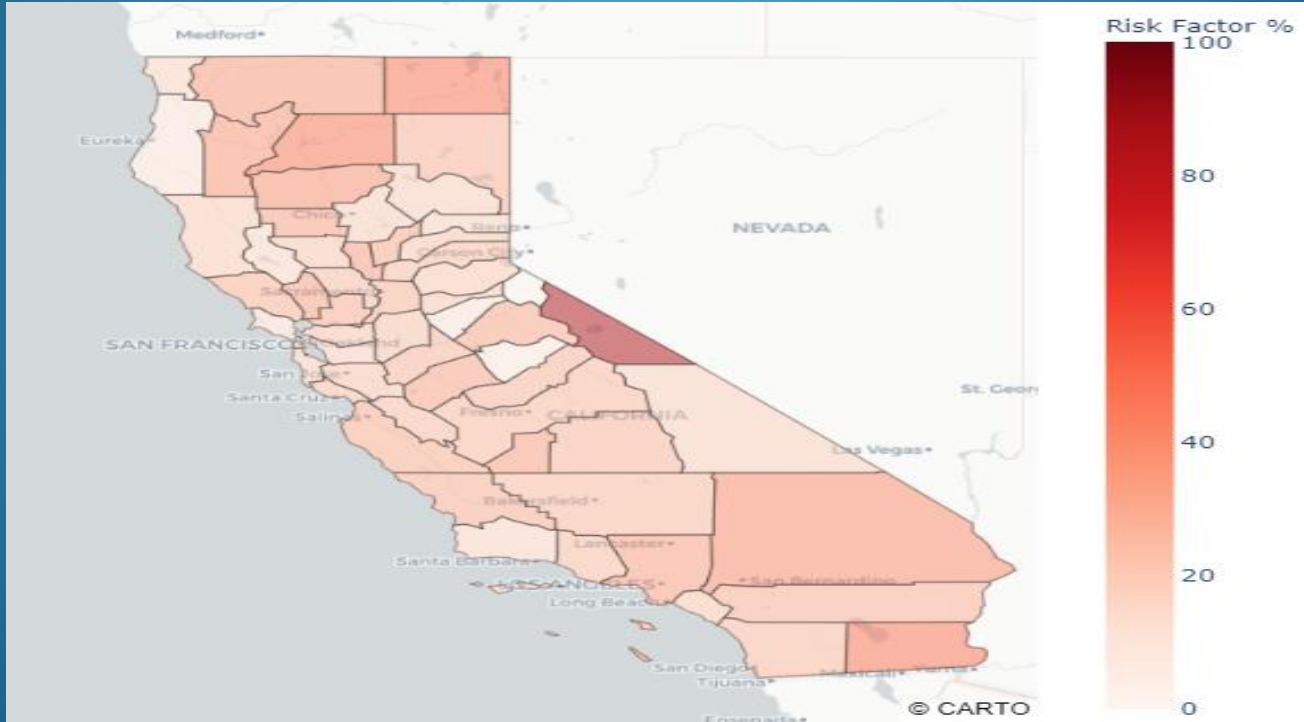
Once you are done with this Presentation, you will better understand what it takes to do it.

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Average Business Risk  
During the Day/Week**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**High Risk Time of the Day  
High Risk Person**

# Risk Factor: Going to a Grocery Store



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<https://www.ailluminatex.com>

**Bio-Forecast for  
Thanksgiving Week**



**Low Risk Time of the Day  
High Risk Person**



# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**High Risk Time of the Day  
Low Risk Person**

# Risk Factor: Going to a Grocery Store



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**Bio-Forecast for  
Thanksgiving Week**



**Low Risk Time of the Day  
Low Risk Person**

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## Covid19 Assistant

Dinner with  
Family & Friends

# What's Your Risk at a Thanksgiving Dinner Party?

## Backyard vs. Inside House

# Risk Factor: Thanksgiving Dinner

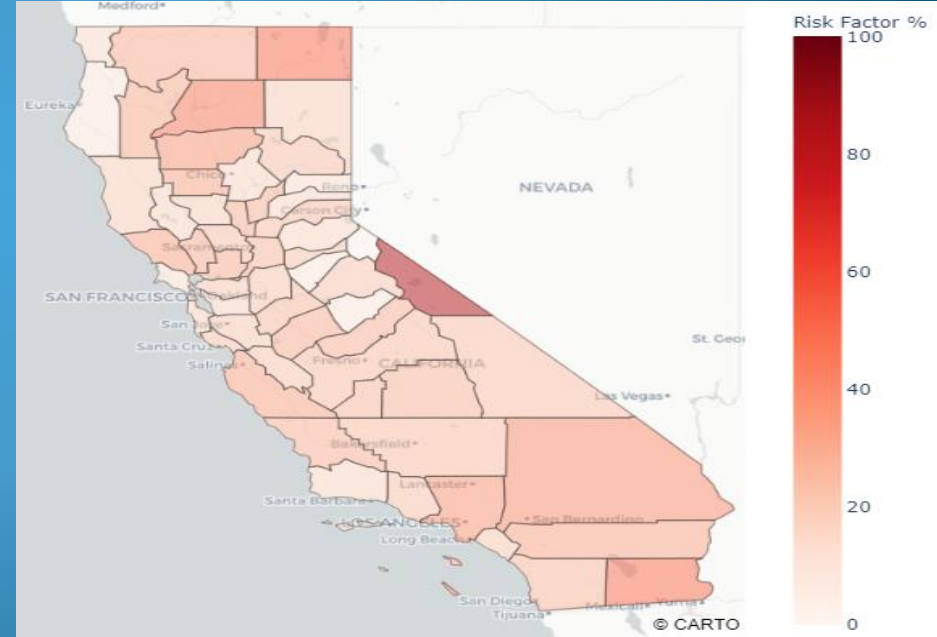


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## Backyard



## Inside House

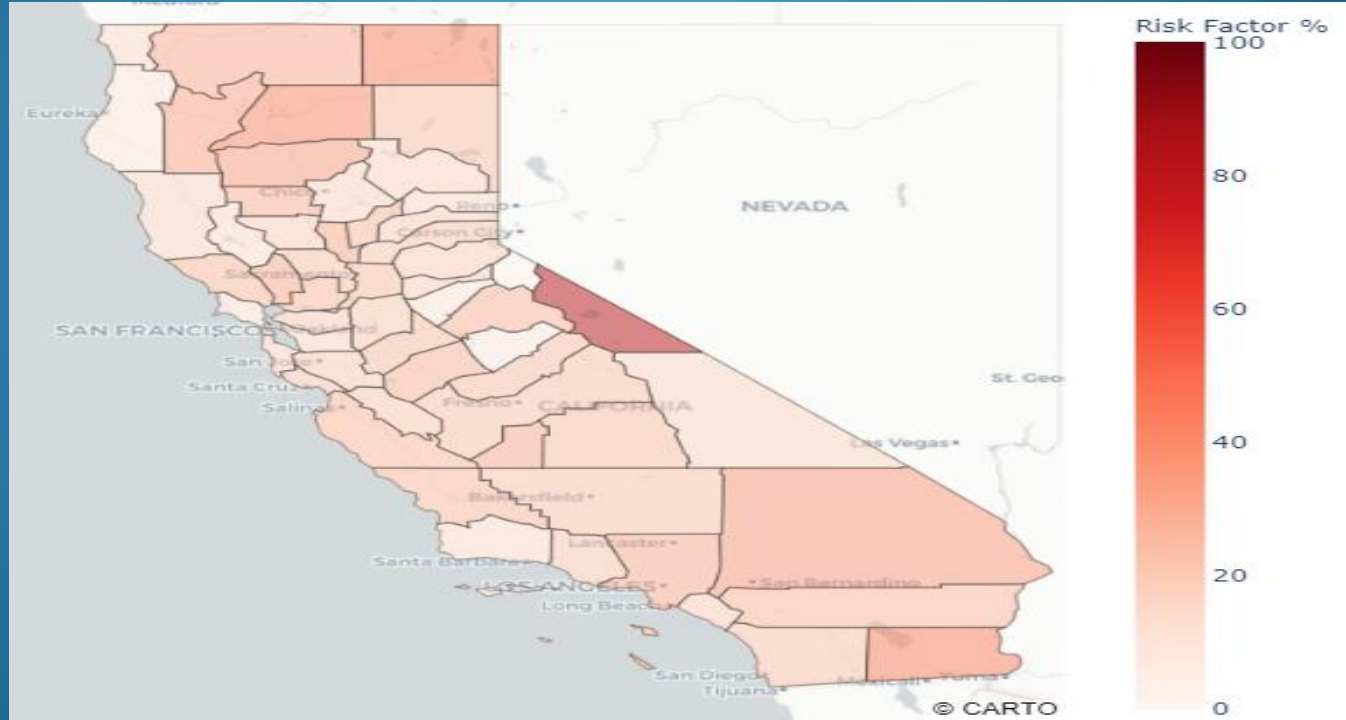


# Risk Factor: Thanksgiving Dinner



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**Bio-Forecast for  
Thanksgiving Week**



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## Covid19 Assistant

What's Your Risk  
for Staying in a 3-5\* Hotel?  
(for 2-3 Days)

## Thanksgiving Travel Plan

Thanksgiving Travel  
Staying at Hotel

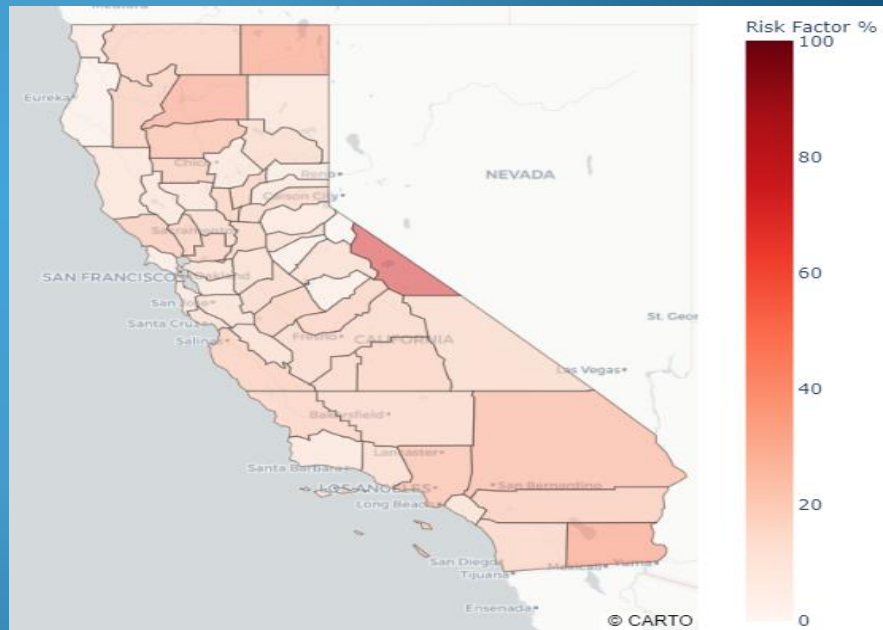
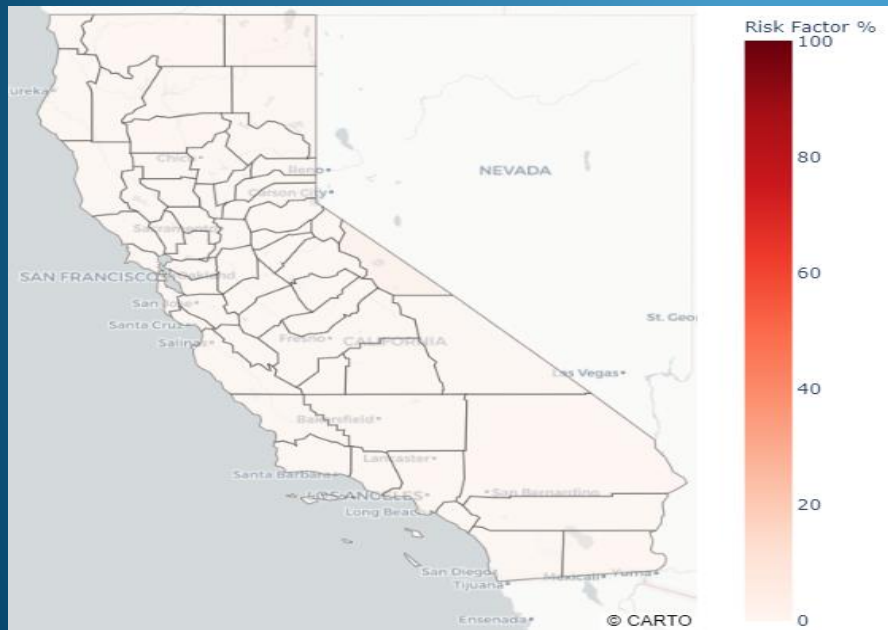
# Risk Factor: Staying in 3-5\* Hotel



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## Social Distancing & Mask

## No Social Distancing & Mask



# Risk Factor: Staying in 3-5\* Hotel



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**Bio-Forecast for  
Thanksgiving Week**





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## Covid19 Assistant

# What's Your Risk for Eating in a Restaurant?

## Indoor vs. Outdoor

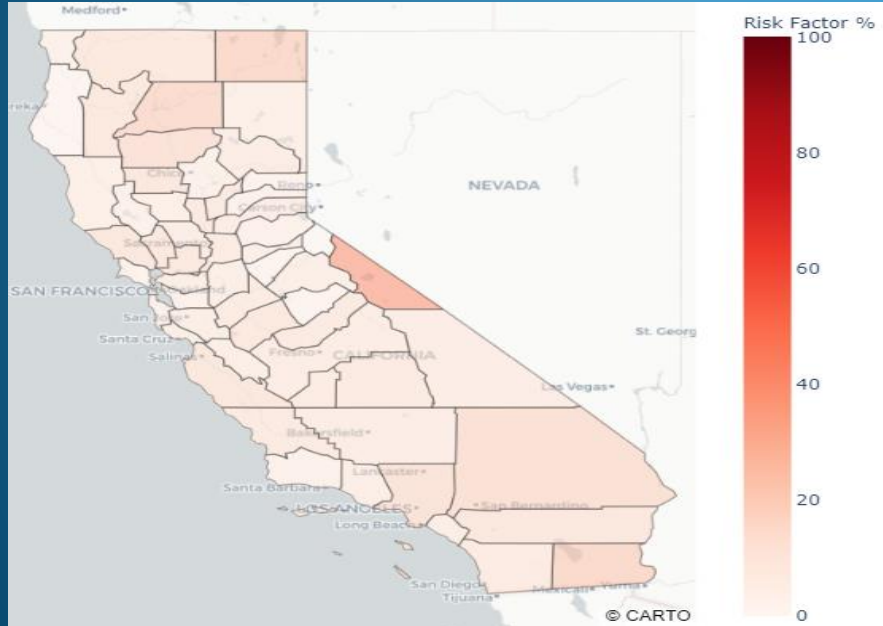
Thanksgiving  
Dinner Out

# Risk Factor: Eating in a Restaurant

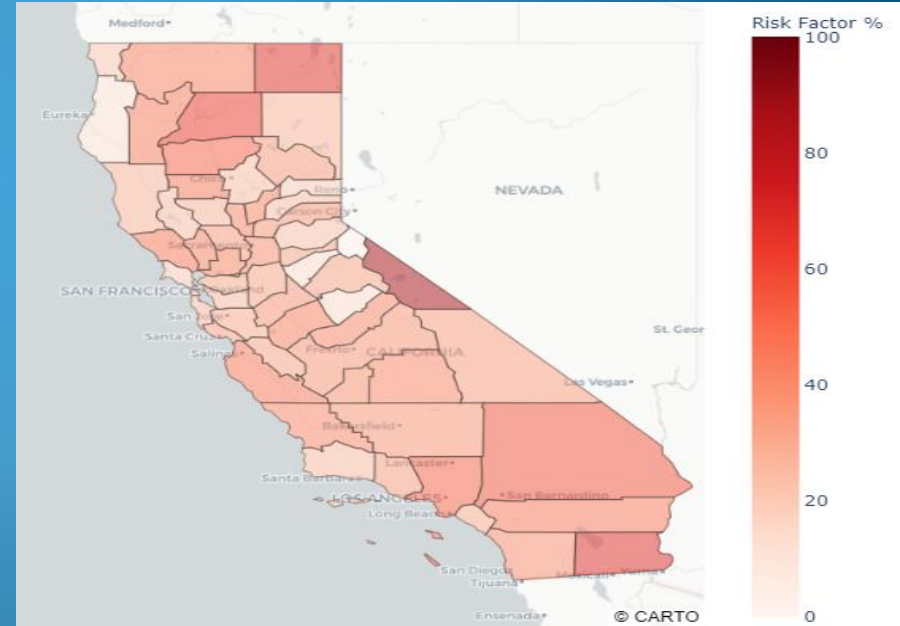


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## Outdoor



## Indoor

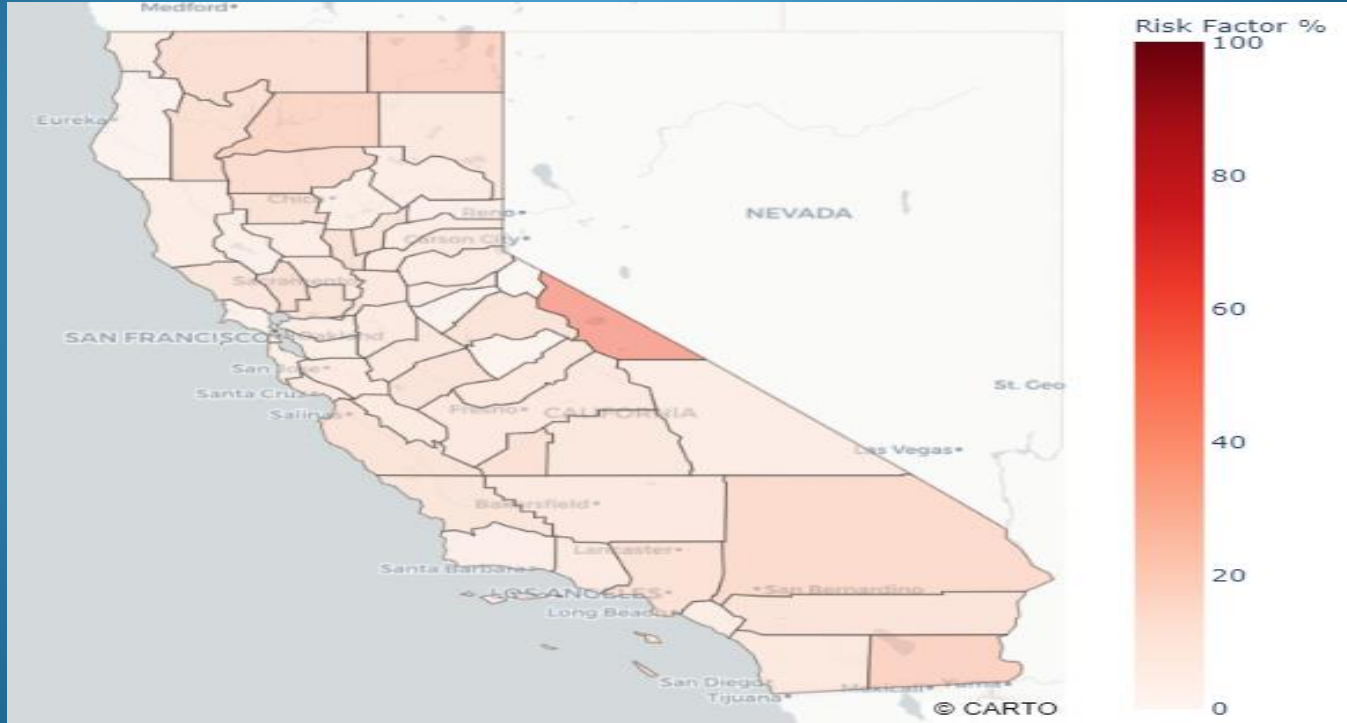


# Risk Factor: Eating in a Restaurant



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**Bio-Forecast for  
Thanksgiving Week**



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## Covid19 Assistant

**Black Friday  
Shopping**

# What's Your Risk for going to a Mall for shopping?

## Black Friday Shopping Outdoor vs. Indoor Malls

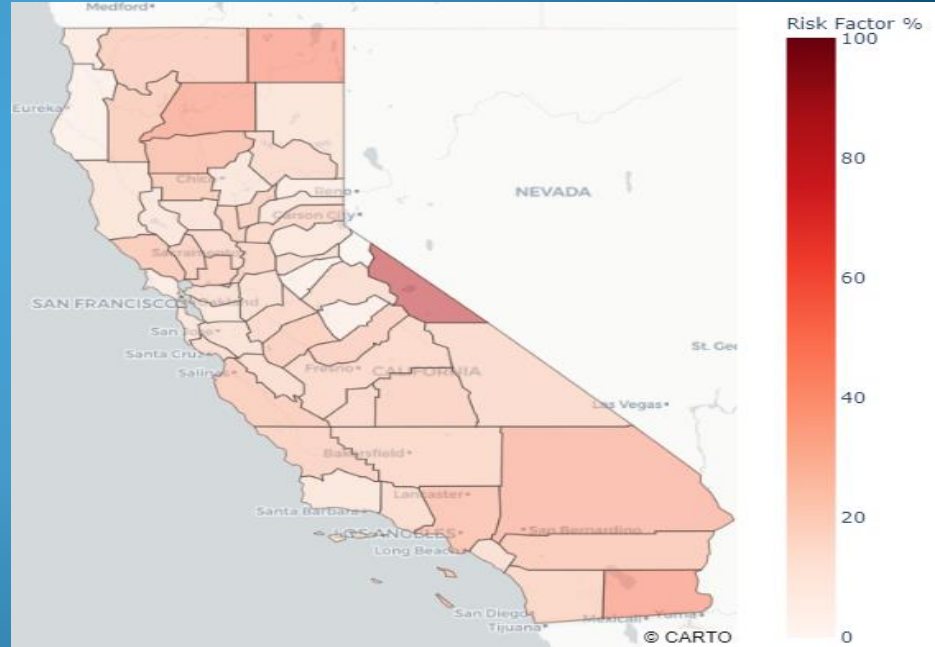
# Risk Factor: Going to a Mall



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Social Distancing & Mask  
Outdoor Mall

No Social Distancing & Mask  
Indoor Mall

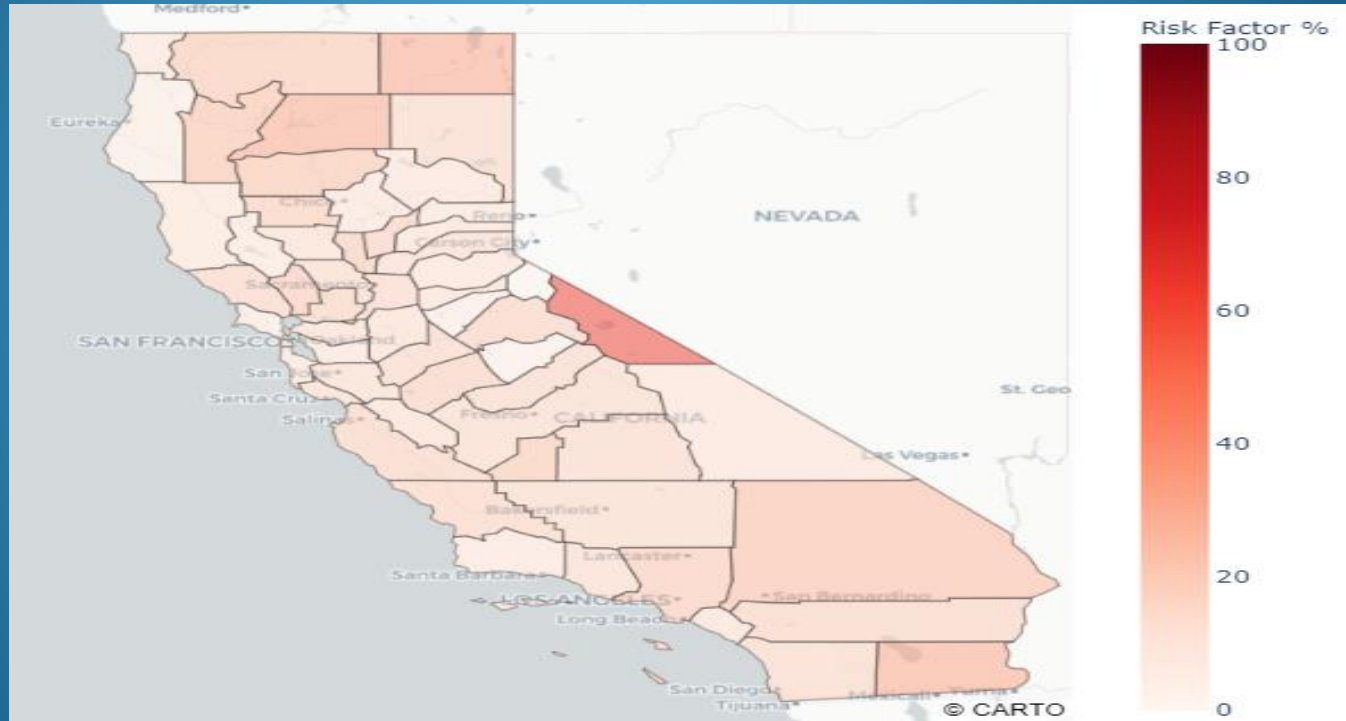


# Risk Factor: Going to a Mall



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**Bio-Forecast for  
Thanksgiving Week**



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## Covid19 Assistant

# What's Your Risk for Taking a Week of Vacation/Travel/Holiday?

**Thanksgiving Travel  
Staying at Hotel**

## Thanksgiving Vacation Travel Plan

# Risk Factor: Hotel & Eat Out

Forecast  
11-17-2020



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**Bio-Forecast for  
Thanksgiving Week**



**Stay in Hotel & Eat Out**



# Risk Factor: Hotel & Eat Out

Forecast  
11-24-2020



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**Bio-Forecast for  
Thanksgiving Week**



**Stay in Hotel & Eat Out**

# Risk Factor: Hotel-Eat Out-Shop

Forecast  
11-17-2020



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**Bio-Forecast for  
Thanksgiving Week**



**Stay in Hotel  
Eat Out & Shop**

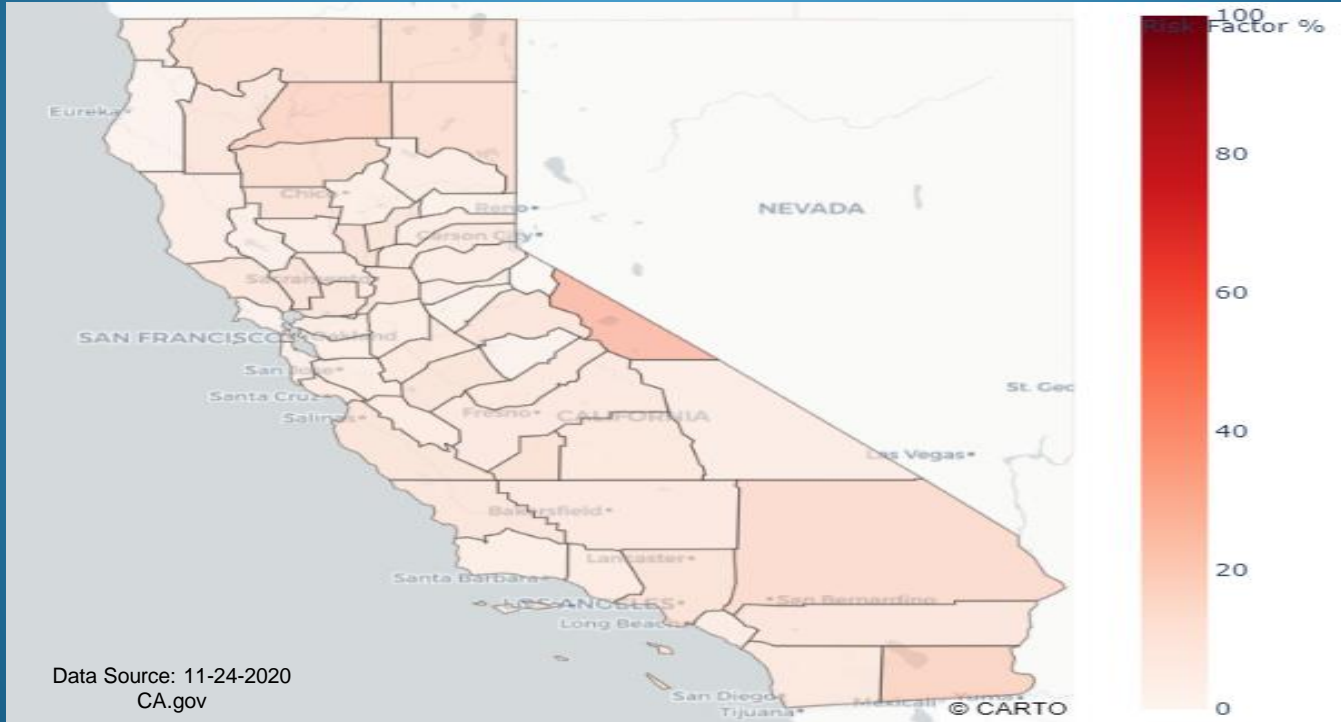
# Risk Factor: Hotel-Eat Out-Shop

Forecast  
11-24-2020



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**Bio-Forecast for  
Thanksgiving Week**



**Stay in Hotel  
Eat Out & Shop**

# Risk Factor Compared: Hotel-Eat Out-Shop



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## Risk Factor: Hotel & Eat Out

Forecast  
11-17-2020



Bio-Forecast for  
Thanksgiving Week



Stay in Hotel & Eat Out

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## Risk Factor: Hotel-Eat Out-Shop

Forecast  
11-17-2020



Bio-Forecast for  
Thanksgiving Week



Stay in Hotel  
Eat Out & Shop

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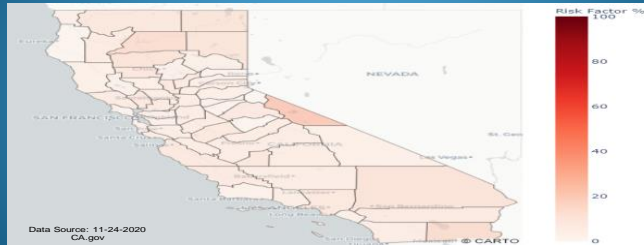
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## Risk Factor: Hotel & Eat Out

Forecast  
11-24-2020



Bio-Forecast for  
Thanksgiving Week



Stay in Hotel & Eat Out

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<https://www.ailluminatex.com>

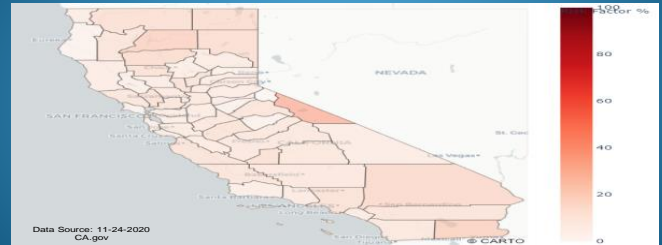
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## Risk Factor: Hotel-Eat Out-Shop

Forecast  
11-24-2020



Bio-Forecast for  
Thanksgiving Week



Stay in Hotel  
Eat Out & Shop

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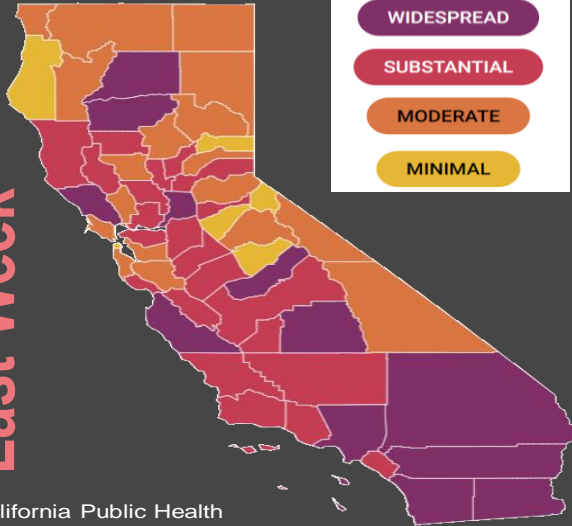
# California



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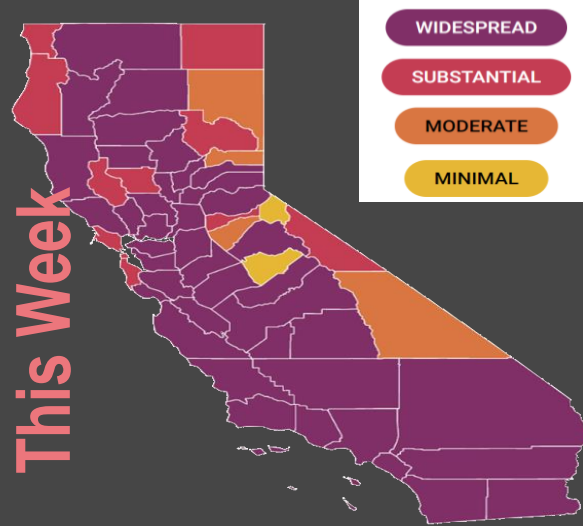
Positivity Rate: 4.2% Positivity Rate: 5.2%

Last Week



Source: California Public Health

This Week



Powered by:



California – Risk Tiers (11-16-2020)

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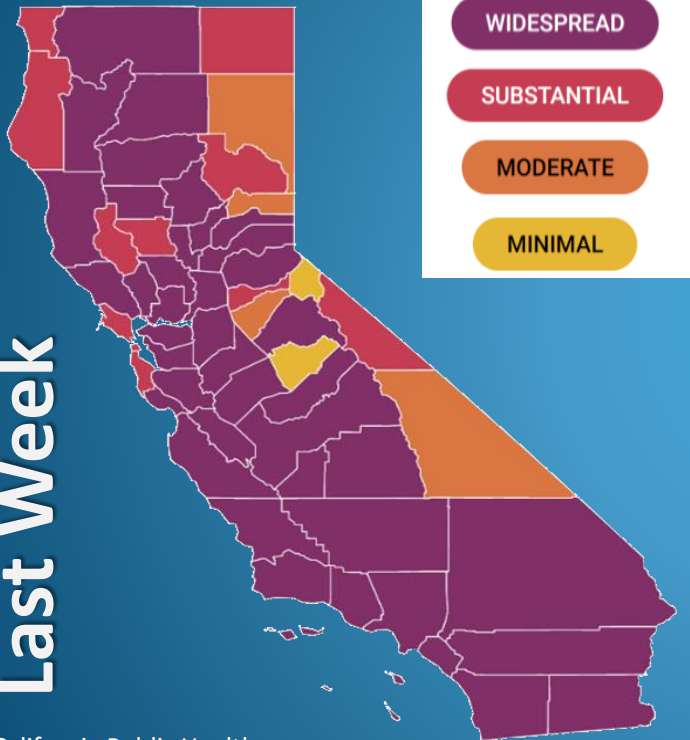
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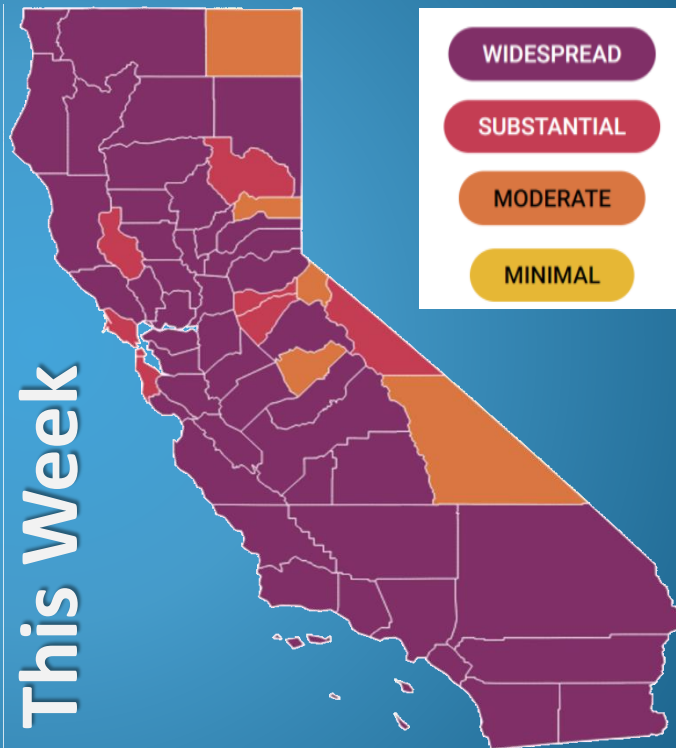
# Positivity Rate: 5.2%

## Last Week



# Positivity Rate: 6.2%

## This Week



California – Risk Tiers (11-24-2020)

Source: California Public Health

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# Stay Safe & Save Lives



## WIDESPREAD

Many non-essential indoor business operations are closed

## SUBSTANTIAL

Some non-essential indoor business operations are closed



**Reduce size of gathering (<25% of capacity) , social distancing (average of 6-8 feet), wear mask, & reduce touches.**



## MODERATE

Some indoor business operations are open with modifications

## MINIMAL

Most indoor business operations are open with modifications



# Insights & Informed Actionable Decisions:



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<https://www.ailluminatex.com>

Reduce size of gathering (<25% of capacity) ,  
social distancing (average of 6-8 feet), wear  
mask, organize events outdoor, & reduce  
touches.

**Stay Safe, Stay Healthy and Help SAVE LIVES!**



# Knowledge is Power!



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- What's the likelihood that you may get infected if you go to a Bar in San Francisco, Monterey, or Los Angeles?
- What if you go to Thanksgiving dinner, Christmas or New Year Eve party with 25, 50, 100 guests, in Berkeley or Stanford?
- What about if you go to a Potluck Party, or a wedding in Santa Clara? What if you go to Monterey or Sierra?
- What if you plan to send your Kid to School? what's the Risk?
- What if you reduce the size of an Event to 50% or 25% of Capacity? What's the best way to open Restaurants, schools, businesses? What's the best time and best day to go to grocery store or pharmacy or restaurants?
- What's the Risk of staying at Hotel for a few days?

# Knowledge is Power!

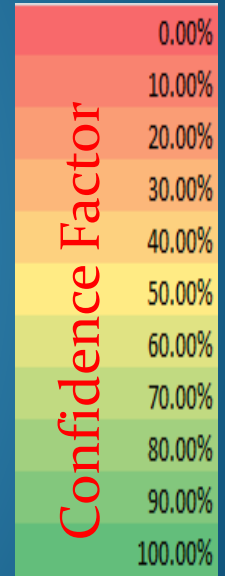
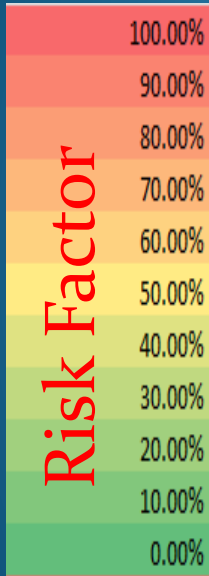


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## How it's been done?

Artificial Intelligence  
Bio-Forecasting

**Reduce Risk** →  
**Gain Confidence**



Modeling/Simulation COVID-19 Scenarios  
Computational Fluid Dynamic Simulation

# Ailysium Covid19 Assistant



Bio-Forecasting  
Forecast for Wednesday,  
November 25, 2020  
Happy Thanksgiving 2020

# How to be Safe during Covid19 Outbreaks?

Bio-Forecast for Thanksgiving & Covid19 Risk Factor Guidelines

For more information contact us:

[Covid19@ailluminate.com](mailto:Covid19@ailluminate.com)

[Covid19@ailluminateX.org](mailto:Covid19@ailluminateX.org)



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