

Knowledge is Power!

Comprehensive - Covid19 Report
Every County- Every Activity
November 2020



Download full report @

<https://www.ailluminare.com>

We can open America safely!

Knowledge is Power!

Like commercial meteorology,
commercial bio-forecasting can satisfy
unmet demand for disease outbreaks
prediction.

Knowledge is Power!

Outbreaks Warning/Alert and
Informed insightful decisions have the
potential to save lives and improve
Quality of daily life.

Knowledge is Power!



- 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

Reopen Society & Economy

AilluminareX created a Bio-Forecasting Model to answer “What IF” Scenarios to help reopen businesses, to help society back to a new normal, and to reduce the negative economic impact while save lives.

California

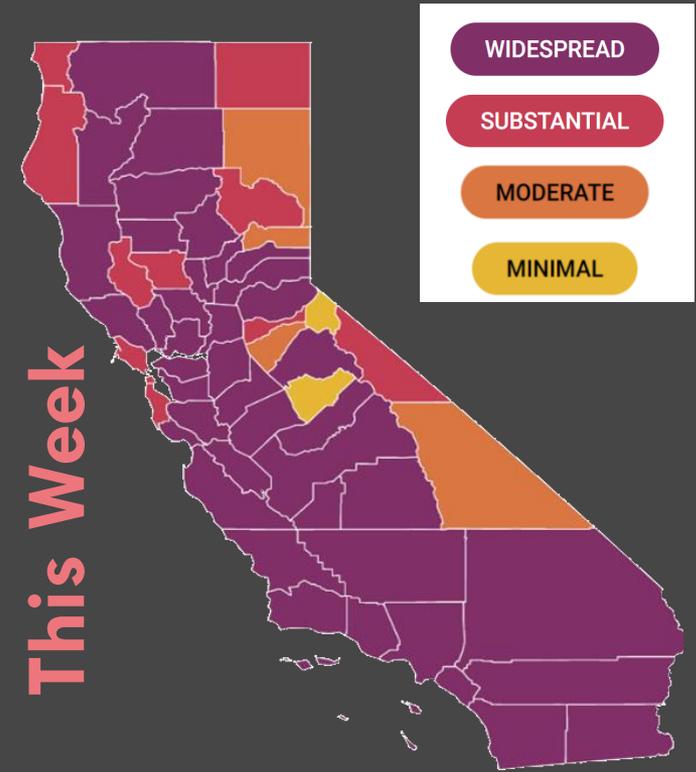
Positivity Rate: 4.2%

Positivity Rate: 5.2%

Last Week



This Week



<https://www.ailluminate.com>

Source: California Public Health

Powered by: 

California – Risk Tiers (11-16-2020)

What's your Risk?

Covid19 – Screening App



Patient #	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			60
	100	1	100	100	100			50
xxx- 12647	83	1	44	57	83	Test	25-50	20
xxx-398565	100	1	29	49	100	No Test	10-25	0
xxx-792854	83	0	89	47	89			
xxx-156483	0	1	52	57	57			
xxx-169022	50	1	60	65	65			
xxx-930498	100	1	29	49	100			
xxx-489265	0	1	52	57	57			

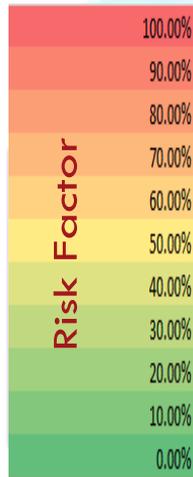
Color Codes - Decision							
Call 911	Test	75--100	100	Hospital Test	Quarantine	Save Lives	Live or Die
Isolate Immediately - You need Test	Test	50-75	75	Drive Through Test	Shelter in Place	Shelter in Place/Mitigation	Mitigation/Flattened the Curve
You should Isolate - Call Healthcare Provider			60				
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	Survailance/Contact Tracing	Containment
You are Safe			0				

Reduce Risk → Increase Confidence

AilluminateX- Covid19 Alert System provides outbreaks warnings with informed and insightful decisions tailored to consumer and corporate interests.

Reduce Risk → Increase Confidence

Community Aggregated Data Used for ALERT Alternative Decision for Risk Score	Screening RISK Score				
High Risk → R'o > 2	Call Hospital for Test	Test	75-100	100	Test at Hospital -ER
Medium-High Risk → R'o > 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'o < 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'o < 0.5	Social Distancing You are Safe	No Test	10-25	20	No Test
				10	



Artificial Intelligence

Reduce Risk →

Gain Confidence

$$\text{Confidence\%} = 1 - \text{RiskFactor\%}$$

%Confidence Increase		100.00%
Follow Our Insightful Recommendation	Insightful Recommendations & the Use of high-End Technology	90.00%
Zero% Confidence	0.00%	80.00%
100% Confidence	100.00%	70.00%
Confidence% Gained Based on Recommendations & Technology		60.00%
Small (Office/ Restaurant/Grocery/Gathering- <=10 People)	83.49%	96.32%
Small-Medium (<=25 People)	87.95%	97.31%
Medium (Small Private Schools or Medium Office, <=100 People)	75.46%	94.54%
Medium-Large (Small-Medium Public Schools; Small Sport Events, <=500 People)	55.70%	90.15%
Large (Medium-Large size Public Schools, Medium Sport Events, Conference-Business Events- <=1000 People)	50.14%	88.92%
Large-Large Events (Large Sport Events, Large Gathering, Concerts, Corporate Events/Conferences - <=2500 People)	43.52%	87.45%
Average Confidence Gain - Percent %		10.00%
	66.05%	92.45%
		0.00%

Confidence Factor

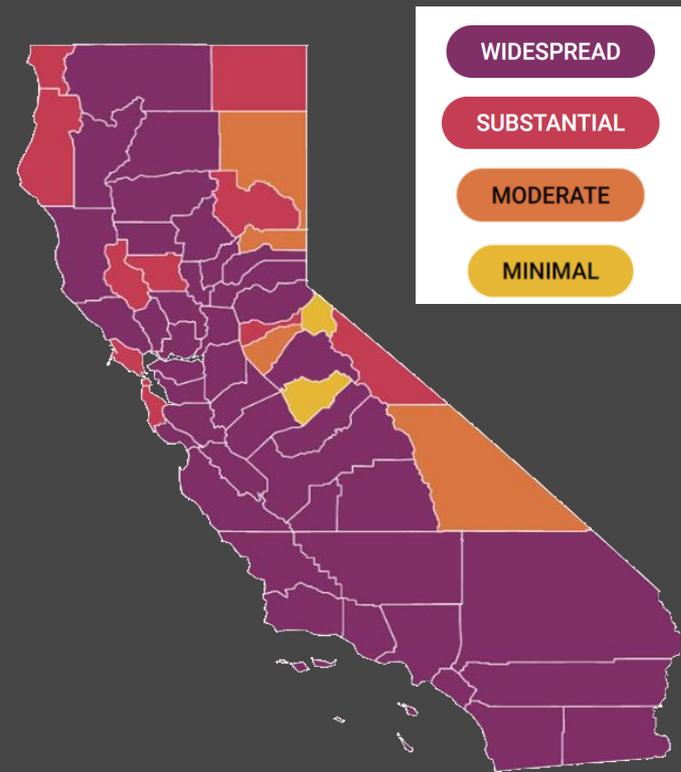
Type of Event/Gathering/Location (Socially Distanced)	None-Effective Social Distancing and Medium Touches	Good Social Distancing and Low Touches	Effective Social Distancing and Touch-Less Technology
Large-Large Events (Large Sport Events, Large Gathering, Concerts, Corporate Events/Conferences- <=2500 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%



Insights and Informed actionable decisions:

- How to Open Schools, Businesses & Restaurants Safely & Save Lives?
- How to spend Thanksgiving, Christmas, and New Year's Eve with family & friends while reducing spread of the Covid19?

California



How to Open Schools, Businesses & Restaurants Safely & Save Lives?

How to spend Thanksgiving with family & friends while reducing spread of the Covid19?

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

<https://www.ailluminate.com>

Source: California Public Health

Powered by:



COVID-19 ALERT SYSTEM

Insights and Informed actionable decision:

- What if you go to a Potluck Party, or a wedding in Santa Clara? Or if it is better to go to Monterey?
- What if you plan to send your Kids to School? what's the Risk?

Insights and Informed actionable decision:

- What's the likelihoods 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?

Monterey County

WIDESPREAD

Risk Score	0.00%	25.00%	50.00%	100.00%
California Code	Minimal Risk	Moderate Risk	Substantial Risk	High Risk
Risk	Minimal	Moderate	Substantial	Widespread
Tier	4	3	2	1
Monterey County - California				
Color Code	3 Weeks Ago	2 Weeks Ago	Last Week	Current
Risk	Widespread	Widespread	Widespread	Widespread
Tier	1	1	1	1

Many non-essential indoor business operations are closed.

Source: California Public Health

California Counties – Week of 11/09/2020

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Monterey County, CA



Family & Friend – Gathering /Party

Monterey County - California

Social Meeting and Gathering with Friends & Family - Social Outdoor- No Touch at all time - Two hours of Continuous Exposed Talking

	No Effective Social Distancing: ~4 Feet	Social Distancing > 6-8 Feet	Effective Social Distancing > 6-8 Feet
	Two Hours-Meeting-No Mask	Mask	Two Hours-Meeting-Mask
Meet 5 Friends	5.20%	0.10%	0.02%
Social Meeting-10 Friends	17.38%	0.32%	0.05%
Social Party-50 Friends	29.22%	0.54%	0.06%
Big Party-100 Friends	49.11%	0.90%	0.06%

Monterey County County - California

Friends & Family Gathering: Dinner & Potluck & Social Event that includes Touches - Indoor

	No Effective Social Distancing: ~4 Feet	Social Distancing > 6-8 Feet	Effective Social Distancing > 6-8 Feet
	No Mask	Mask	Mask & Reduce Touches by Factor of 10
Meet 5 Friends	5.65%	0.57%	0.10%
Social Meeting-10 Friends	18.82%	1.89%	0.28%
Social Party-50 Friends	31.52%	3.18%	0.34%
Big Party-100 Friends	52.59%	5.34%	0.34%

Insights and Informed actionable decision:

- What if you reduce the size of an Event to 50% or 25% of Capacity?
- What's the Risk of staying at Hotel for a few days?

How to Open Schools? Stay Safe & Reduce the Spread of the Covid19 & Save Lives (Students, Teachers & Family, Friends, ...)?

Reduce Capacity of In-Person Schooling (<25% of capacity), social distancing (average or greater than 6-8 feet), wear mask, & reduce touches.

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Schools

Schools



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100% of Capacity
Monterey County - California

Schools

	No Effective Social Distancing: ~4 Feet	Social Distancing > 6-8 Feet	Effective Social Distancing > 6-8 Feet
	No Mask	Mask	Mask & Reduce Touches by Factor of 10
Very Small Schools	7.30%	3.18%	3.18%
Small Schools	23.86%	10.62%	2.69%
Medium Schools	38.98%	17.87%	3.18%
Large Schools	60.35%	40.73%	4.31%

50% of Capacity
Monterey County - California

Schools

	No Effective Social Distancing: ~4 Feet	Social Distancing > 6-8 Feet	Effective Social Distancing > 6-8 Feet
	No Mask	Mask	Mask & Reduce Touches by Factor of 10
Very Small Schools	3.43%	0.48%	0.81%
Small Schools	11.43%	1.60%	0.68%
Medium Schools	19.17%	2.70%	0.81%
Large Schools	27.08%	6.15%	1.09%

25% of Capacity
Monterey County - California

Schools

	No Effective Social Distancing: ~4 Feet	Social Distancing > 6-8 Feet	Effective Social Distancing > 6-8 Feet
	No Mask	Mask	Mask & Reduce Touches by Factor of 10
Very Small Schools	1.95%	0.08%	0.22%
Small Schools	6.51%	0.26%	0.19%
Medium Schools	10.95%	0.44%	0.22%
Large Schools	14.98%	1.01%	0.30%

Insights and Informed actionable decision:

- What's the best day to go to restaurants or pharmacy?
- What's the best day and time to go for grocery shopping?



Best Time and Best Day to Shop Ailluminare

CR Score®

High Risk Person/High Risk Place

Type of Event/Gathering/Location (Socially Distanced)	Medium (Small Private Schools or Medium Office, <=100 People)/ None-Effective Social Distancing and Medium Touches			
	8am-11am	11am-2pm	2pm-5pm	5pm-9pm
Monday	37.19%	42.94%	42.94%	30.42%
Tuesday	37.19%	42.94%	42.94%	30.42%
Wednesday	37.19%	42.94%	42.94%	30.42%
Thursday	37.19%	42.94%	42.94%	30.42%
Friday	42.94%	48.00%	48.00%	37.19%
Saturday	42.94%	48.00%	48.00%	37.19%
Sunday	42.94%	42.94%	42.94%	30.42%

High Risk Person/ Low Risk Place

Type of Event/Gathering/Location (Socially Distanced)	Medium (Small Private Schools or Medium Office, <=100 People)/Effective Social Distancing and Touch-Less Technology			
	8am-11am	11am-2pm	2pm-5pm	5pm-9pm
Monday	7.14%	8.30%	8.30%	5.83%
Tuesday	7.14%	8.30%	8.30%	5.83%
Wednesday	7.14%	8.30%	8.30%	5.83%
Thursday	7.14%	8.30%	8.30%	5.83%
Friday	8.30%	9.27%	9.27%	7.14%
Saturday	8.30%	9.27%	9.27%	7.14%
Sunday	8.30%	8.30%	8.30%	5.83%

Low Risk Person/High Risk Place

Type of Event/Gathering/Location (Socially Distanced)	Medium (Small Private Schools or Medium Office, <=100 People)/ None-Effective Social Distancing and Medium Touches			
	8am-11am	11am-2pm	2pm-5pm	5pm-9pm
Monday	15.62%	18.04%	18.04%	12.78%
Tuesday	15.62%	18.04%	18.04%	12.78%
Wednesday	15.62%	18.04%	18.04%	12.78%
Thursday	15.62%	18.04%	18.04%	12.78%
Friday	18.04%	20.17%	20.17%	15.62%
Saturday	18.04%	20.17%	20.17%	15.62%
Sunday	18.04%	18.04%	18.04%	12.78%

Low Risk Person/Low Risk Place

Type of Event/Gathering/Location (Socially Distanced)	Medium (Small Private Schools or Medium Office, <=100 People)/Effective Social Distancing and Touch-Less Technology			
	8am-11am	11am-2pm	2pm-5pm	5pm-9pm
Monday	3.00%	3.49%	3.49%	2.45%
Tuesday	3.00%	3.49%	3.49%	2.45%
Wednesday	3.00%	3.49%	3.49%	2.45%
Thursday	3.00%	3.49%	3.49%	2.45%
Friday	3.49%	3.89%	3.89%	3.00%
Saturday	3.49%	3.89%	3.89%	3.00%
Sunday	3.49%	3.49%	3.49%	2.45%

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Insights and Informed actionable decision:

- What's the effect of Mask and Social Distancing to reduce Risk?
- Do Touchless devices help to reduce covid-19 transmission?

How to open Restaurants & Businesses Safely & save lives?

Reduce Capacity of In-Person In-door dining (<25% of capacity), social distancing (average or greater than 6-8 feet), wear mask, & reduce touches.

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Restaurants

Restaurants



100% of Capacity
Monterey County - California

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Restaurants

	No Effective Social Distancing: ~4 Feet		Social Distancing > 6-8 Feet		Effective Social Distancing > 6-8 Feet	
	No Mask		Mask		Mask & Reduce Touches by Factor of 10	
Very Small Resturant	8.80%	4.48%	0.35%			
Small Resturant	15.75%	8.92%	0.59%			
Medium Resturant	28.51%	14.99%	0.70%			
Large Resturant	46.03%	25.22%	0.70%			

50% of Capacity
Monterey County - California

Restaurants

	No Effective Social Distancing: ~4 Feet		Social Distancing > 6-8 Feet		Effective Social Distancing > 6-8 Feet	
	No Mask		Mask		Mask & Reduce Touches by Factor of 10	
Very Small Resturant	5.25%	2.67%	0.21%			
Small Resturant	9.45%	5.30%	0.35%			
Medium Resturant	17.29%	8.92%	0.41%			
Large Resturant	28.51%	14.99%	0.41%			

25% of Capacity
Monterey County - California

Restaurants

	No Effective Social Distancing: ~4 Feet		Social Distancing > 6-8 Feet		Effective Social Distancing > 6-8 Feet	
	No Mask		Mask		Mask & Reduce Touches by Factor of 10	
Very Small Resturant	3.13%	1.59%	0.12%			
Small Resturant	5.64%	3.15%	0.21%			
Medium Resturant	10.38%	5.30%	0.25%			
Large Resturant	17.29%	8.92%	0.25%			

Monterey County, CA



Activities - General Risk & Ranking	Imperial (No Mask - No Distance)				Imperial (Mask - Social Distance)				Imperial (Mask - Social Distance - Touchless (Reduce Touches by Factor of 10))			
	Low/Minimal Crowd	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded	Low/Minimal Crowd	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded	Low/Minimal Crowd	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded
Low Risk: 1												
Opening the mail	1.91%	12.67%	21.31%	28.89%	0.22%	1.47%	2.48%	3.36%	0.00%	0.01%	0.03%	0.03%
Low Risk: 2												
Getting restaurant takeout	2.70%	17.92%	30.14%	40.85%	0.31%	2.08%	3.51%	4.75%	0.00%	0.02%	0.04%	0.05%
Pumping gasoline	2.70%	17.92%	30.14%	40.85%	0.31%	2.08%	3.51%	4.75%	0.00%	0.02%	0.04%	0.05%
Playing tennis	2.70%	17.92%	30.14%	40.85%	0.31%	2.08%	3.51%	4.75%	0.00%	0.02%	0.04%	0.05%
Going camping	2.70%	17.92%	30.14%	40.85%	0.31%	2.08%	3.51%	4.75%	0.00%	0.02%	0.04%	0.05%
Low-Moderate Risk: 3												
Grocery shopping	8.36%	13.23%	42.40%	73.30%	0.84%	11.26%	37.66%	63.33%	0.15%	2.00%	5.66%	6.70%
Going for a walk, run, or bike ride with others	3.30%	21.95%	36.91%	50.03%	0.38%	2.55%	4.29%	5.82%	0.00%	0.03%	0.04%	0.06%
Playing golf	3.30%	21.95%	36.91%	50.03%	0.38%	2.55%	4.29%	5.82%	0.00%	0.03%	0.04%	0.06%
Low-Moderate Risk: 4												
Staying at a hotel for two nights	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	3.81%	25.34%	42.62%	57.77%	0.31%	2.08%	3.51%	4.75%	0.00%	0.00%	0.00%	0.00%
Moderate Risk: 5												
Having dinner at someone else's house	8.91%	29.61%	49.42%	81.85%	0.89%	2.98%	5.02%	8.44%	0.16%	0.45%	0.53%	0.53%
Attending a backyard barbecue	8.64%	28.87%	48.51%	81.46%	0.16%	0.53%	0.89%	1.50%	0.03%	0.08%	0.10%	0.10%
Going to a beach	8.77%	29.24%	48.97%	81.66%	0.53%	1.76%	2.96%	4.97%	0.09%	0.26%	0.31%	0.31%
Shopping at a mall	8.77%	29.24%	48.97%	81.66%	0.53%	1.76%	2.96%	4.97%	0.09%	0.26%	0.31%	0.31%
Moderate Risk: 6												
Sending kids to school, camp, or day care	11.73%	37.56%	59.57%	84.10%	5.13%	17.16%	28.87%	65.80%	5.13%	4.34%	5.13%	6.96%
Working a week in an office building	9.42%	17.22%	32.77%	72.93%	1.54%	5.13%	8.63%	28.87%	1.54%	1.30%	1.54%	3.05%
Swimming in a public pool	10.58%	27.39%	46.17%	78.51%	3.33%	11.15%	18.75%	47.33%	3.33%	2.82%	3.33%	5.01%
Visiting an elderly relative or friend in their home	10.58%	27.39%	46.17%	78.51%	3.33%	11.15%	18.75%	47.33%	3.33%	2.82%	3.33%	5.01%
Moderate-High Risk: 7												
Going to a hair salon or barbershop	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
Eating in a restaurant (inside)	13.85%	24.56%	43.56%	67.37%	7.11%	14.13%	23.76%	39.96%	0.55%	0.93%	1.10%	1.10%
Attending a wedding or funeral	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
Traveling by plane	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
Playing basketball	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
Playing football	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
Hugging or shaking hands when greeting a friend	13.28%	32.25%	53.55%	78.65%	6.36%	16.25%	27.33%	54.92%	2.95%	2.74%	3.24%	4.19%
High Risk: 8												
Eating at a buffet	14.20%	34.48%	57.25%	84.08%	6.79%	17.37%	29.21%	58.71%	3.16%	2.93%	3.46%	4.47%
Working out at a gym	14.20%	34.48%	57.25%	84.08%	6.79%	17.37%	29.21%	58.71%	3.16%	2.93%	3.46%	4.47%
Going to an amusement park	14.20%	34.48%	57.25%	84.08%	6.79%	17.37%	29.21%	58.71%	3.16%	2.93%	3.46%	4.47%
Going to a movie theater	14.20%	34.48%	57.25%	84.08%	6.79%	17.37%	29.21%	58.71%	3.16%	2.93%	3.46%	4.47%
Very High Risk: 9												
Attending a large music concert	15.06%	36.57%	60.72%	89.18%	7.21%	18.42%	30.99%	62.27%	3.35%	3.11%	3.67%	4.75%
Going to a sports stadium	15.06%	36.57%	60.72%	89.18%	7.21%	18.42%	30.99%	62.27%	3.35%	3.11%	3.67%	4.75%
Attending a religious service with 500-plus worshippers	15.06%	36.57%	60.72%	89.18%	7.21%	18.42%	30.99%	62.27%	3.35%	3.11%	3.67%	4.75%
Going to a bar	15.06%	36.57%	60.72%	89.18%	7.21%	18.42%	30.99%	62.27%	3.35%	3.11%	3.67%	4.75%

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Insights and Informed actionable decision:

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

Stay Safe, Stay Healthy and help SAVE LIVES!

Stay Safe & Save Lives

WIDESPREAD

Many non-essential indoor business operations are closed

SUBSTANTIAL

Some non-essential indoor business operations are closed

MODERATE

Some indoor business operations are open with modifications

MINIMAL

Most indoor business operations are open with modifications

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

Reopen America Safely

Ailluminatex created a Bio-Forecasting Model to help reopen businesses, to help society back to a new normal, and reduce negative economical impact.

Reopen Society & Economy

AilluminatEX created a Bio-Forecasting Model to answer “What IF” Scenarios to help reopen businesses, to help society back to a new normal, and to reduce the negative economical impact while save lives.

Knowledge is Power!

Comprehensive - Covid19 Report
Every County- Every Activity
November 2020



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We can open America safely!

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