

# Knowledge is Power!

Comprehensive - Covid19 Report  
European Union-United Kingdom  
November 2020



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<https://www.ailluminat.com>

**Open Society & Economy Safely!**

# California vs. EU-UK



Ireland  
Denmark  
Sweden  
Malta  
Hungary  
Czechia  
Greece  
San Francisco  
Slovakia  
Iceland  
Austria  
California-US  
Norway  
Lithuania  
Los Angeles  
Germany  
Belgium  
Portugal  
Estonia  
United Kingdom  
Luxembourg  
Bulgaria  
Croatia  
Sacramento  
Finland  
Liechtenstein  
Romania  
Italy  
Slovenia  
Netherlands  
Latvia  
Spain  
Cyprus  
France  
Poland

# 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!

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

# Knowledge is Power!

Outbreaks Warning/Alert

System and Informed insightful  
decisions have the potential to save  
lives and improve Quality of daily life.

# 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.



# Covid19 Report California vs. EU-UK



Download full report @  
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# EU – Covid19 Color codes



**GREEN** for an area where the total number of newly notified COVID-19 cases is less than 25 during a 14-day period AND the percentage of positive tests from all COVID-19 tests is less than 3%;

**ORANGE** for an area where the total number of newly notified COVID-19 cases is less than 50 during a 14-day period BUT the percentage of positive tests from all COVID-19 tests is 3% or more OR the total number of newly notified COVID-19 cases is between 25 and 150 BUT the percentage of positive tests from all COVID-19 tests is less than 3%;

**RED** for an area where the total number of newly notified COVID-19 cases is more than 50 during a 14-day period AND the percentage of positive tests from all COVID-19 tests is 3% or more OR the total number of newly notified COVID-19 cases is more than 150 per 100 000 people during a 14-day period;

**Grey** if there is insufficient information available to assess the criteria proposed by the Commission OR the number of COVID-19 tests carried out per 100 000 people is less than 250.

**GREY:** If there is insufficient data, or if the testing rate is lower than 300 per 100,000 inhabitants.



# UK – Covid19 Color codes

## Coronavirus alert levels in UK

Stage of outbreak		Measures in place
Risk of healthcare services being overwhelmed	<b>5</b>	Lockdown begins
Transmission is high or rising exponentially	<b>4</b>	Social distancing continues
Virus is in general circulation	<b>3</b>	Gradual relaxation of restrictions
Number of cases and transmission is low	<b>2</b>	Minimal social distancing, enhanced tracing
Covid-19 no longer present in UK	<b>1</b>	Routine international monitoring

Source : UK government



# California – Covid19 Color codes



County risk level	Adjusted case rate*  7-day average of daily COVID-19 cases per 100K with 7-day lag, adjusted for number of tests performed	Positivity rate**  7-day average of all COVID-19 tests performed that are positive	
		Entire county	Healthy equity quartile
Some non-essential indoor business operations are closed	<b>More than 7.0</b>  Daily new cases (per 100k)	<b>More than 8.0%</b>  Positive tests	
Some non-essential indoor business operations are closed	<b>4.0 – 7.0</b>  Daily new cases (per 100k)	<b>5.0 – 8.0%</b>  Positive tests	<b>5.3 – 8.0%</b>  Positive tests
Some indoor business operations are open with modifications	<b>1.0 – 3.9</b>  Daily new cases (per 100k)	<b>2.0 – 4.9%</b>  Positive tests	<b>2.2 – 5.2%</b>  Positive tests
Most indoor business operations are open with modifications	<b>Less than 1.0</b>  Daily new cases (per 100k)	<b>Less than 2.0%</b>  Positive tests	<b>Less than 2.2%</b>  Positive tests

# California – Covid19 Color codes



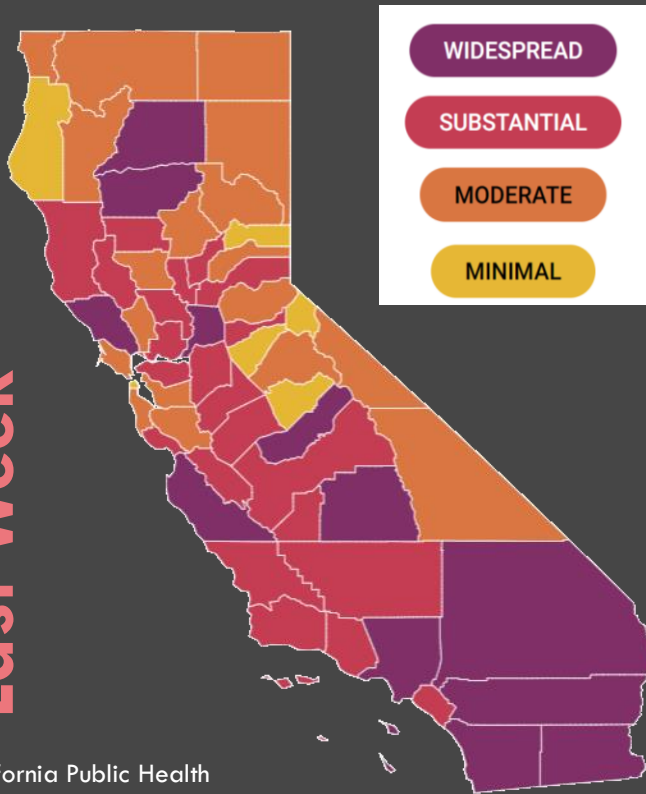
Country	CaseRateTier	PositivityTier	OverallTier-California	Colour Codes - EU
California - US	1	2	1	Red
Austria	1	1	1	Red
Belgium	1	1	1	Red
Bulgaria	1	1	1	Red
Croatia	1	1	1	Red
Cyprus	1	2	1	Red
Czechia	1	1	1	Red
Denmark	1	4	1	Green
Estonia	1	2	1	Red
Finland	3	4	3	Green
France	1	1	1	Red
Germany	1	2	1	Red
Greece	1	1	1	Red
Hungary	1	1	1	Red
Iceland	1	3	1	Orange
Ireland	1	3	1	Red
Italy	1	1	1	Red
Latvia	1	2	1	Red
Liechtenstein	1	1	1	Grey - no data
Lithuania	1	1	1	Red
Luxembourg	1	2	1	Red
Malta	1	3	1	Red
Netherlands	1	1	1	Red
Norway	1	3	1	Red
Poland	1	1	1	Red
Portugal	1	1	1	Red
Romania	1	1	1	Red
Slovakia	1	1	1	Red
Slovenia	1	1	1	Red
Spain	1	1	1	Red
Sweden	1	1	1	Red
United Kingdom	1	2	1	Red
Los Angeles	1	2	1	Red
San Francisco	2	4	2	Orange
Sacramento	1	2	1	Red

# California

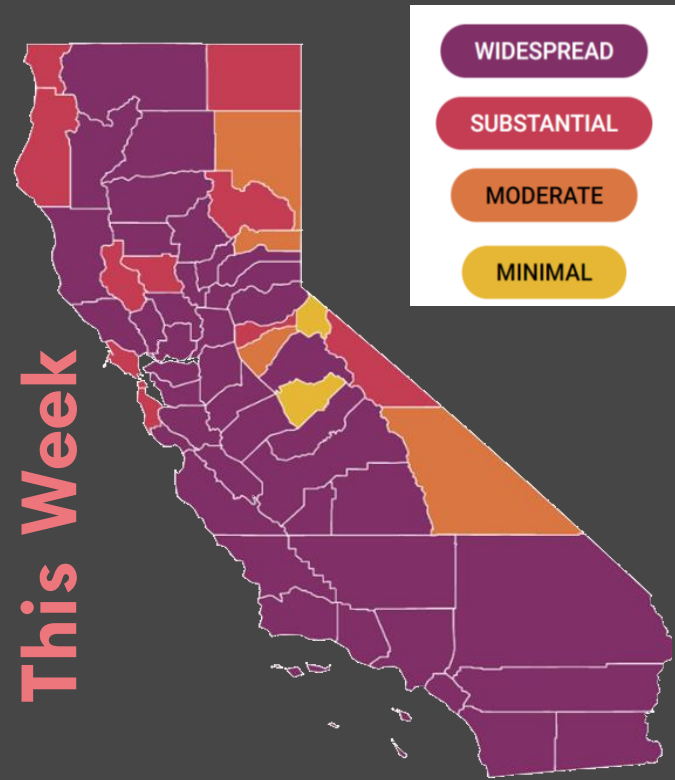
Positivity Rate: 4.2%

Positivity Rate: 5.2%

Last Week



This Week



<https://www.ailluminate.com>

Source: California Public Health

Powered by:



California – Risk Tiers (11-16-2020)

# California vs. EU-UK



# California

# Risk Factor for Every Activities



Activities - General Risk & Ranking	California (No Mask - No Distance)				California (Mask - Social Distance)				California (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
<b>Low Risk: 1</b>												
Opening the mail	1.16%	7.74%	13.02%	17.65%	0.14%	0.90%	1.51%	2.05%	0.00%	0.01%	0.02%	0.02%
<b>Low Risk: 2</b>												
Getting restaurant takeout	1.65%	10.95%	18.41%	24.96%	0.19%	1.27%	2.14%	2.90%	0.00%	0.01%	0.02%	0.03%
Pumping gasoline	1.65%	10.95%	18.41%	24.96%	0.19%	1.27%	2.14%	2.90%	0.00%	0.01%	0.02%	0.03%
Playing tennis	1.65%	10.95%	18.41%	24.96%	0.19%	1.27%	2.14%	2.90%	0.00%	0.01%	0.02%	0.03%
Going camping	1.65%	10.95%	18.41%	24.96%	0.19%	1.27%	2.14%	2.90%	0.00%	0.01%	0.02%	0.03%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	5.11%	7.19%	12.88%	26.60%	0.51%	3.64%	7.25%	16.52%	0.09%	0.65%	1.09%	1.75%
Going for a walk, run, or bike ride with others	2.02%	13.41%	22.55%	30.57%	0.23%	1.56%	2.62%	3.56%	0.00%	0.02%	0.03%	0.04%
Playing golf	2.02%	13.41%	22.55%	30.57%	0.23%	1.56%	2.62%	3.56%	0.00%	0.02%	0.03%	0.04%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	2.33%	15.48%	26.04%	35.30%	0.19%	1.27%	2.14%	2.90%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	5.45%	18.16%	30.42%	50.75%	0.55%	1.82%	3.07%	5.16%	0.10%	0.27%	0.32%	0.33%
Attending a backyard barbecue	5.28%	17.64%	29.66%	49.85%	0.10%	0.32%	0.55%	0.92%	0.02%	0.05%	0.06%	0.06%
Going to a beach	5.36%	17.90%	30.04%	50.30%	0.32%	1.07%	1.81%	3.04%	0.06%	0.16%	0.19%	0.19%
Shopping at a mall	5.36%	17.90%	30.04%	50.30%	0.32%	1.07%	1.81%	3.04%	0.06%	0.16%	0.19%	0.19%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	6.96%	22.80%	37.37%	57.19%	2.79%	9.34%	15.71%	35.81%	2.79%	2.36%	2.79%	3.79%
Working a week in an office building	5.70%	10.33%	19.90%	46.43%	0.81%	2.72%	4.58%	15.32%	0.81%	0.69%	0.81%	1.62%
Swimming in a public pool	6.33%	16.56%	28.63%	51.81%	1.80%	6.03%	10.15%	25.57%	1.80%	1.53%	1.80%	2.70%
Visiting an elderly relative or friend in their home	6.33%	16.56%	28.63%	51.81%	1.80%	6.03%	10.15%	25.57%	1.80%	1.53%	1.80%	2.70%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
Eating in a restaurant (inside)	8.24%	14.68%	26.77%	43.37%	3.97%	7.90%	13.29%	22.35%	0.31%	0.52%	0.62%	0.62%
Attending a wedding or funeral	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
Traveling by plane	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
Playing basketball	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
Playing football	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
Hugging or shaking hands when greeting a friend	7.89%	19.46%	33.30%	52.22%	3.51%	8.95%	15.06%	30.20%	1.61%	1.50%	1.77%	2.29%
<b>High Risk: 8</b>												
Eating at a buffet	8.43%	20.81%	35.60%	55.82%	3.76%	9.57%	16.10%	32.29%	1.72%	1.60%	1.89%	2.44%
Working out at a gym	8.43%	20.81%	35.60%	55.82%	3.76%	9.57%	16.10%	32.29%	1.72%	1.60%	1.89%	2.44%
Going to an amusement park	8.43%	20.81%	35.60%	55.82%	3.76%	9.57%	16.10%	32.29%	1.72%	1.60%	1.89%	2.44%
Going to a movie theater	8.43%	20.81%	35.60%	55.82%	3.76%	9.57%	16.10%	32.29%	1.72%	1.60%	1.89%	2.44%
<b>Very High Risk: 9</b>												
Attending a large music concert	8.94%	22.07%	37.76%	59.21%	3.99%	10.15%	17.08%	34.25%	1.83%	1.70%	2.01%	2.59%
Going to a sports stadium	8.94%	22.07%	37.76%	59.21%	3.99%	10.15%	17.08%	34.25%	1.83%	1.70%	2.01%	2.59%
Attending a religious service with 500-plus worshippers	8.94%	22.07%	37.76%	59.21%	3.99%	10.15%	17.08%	34.25%	1.83%	1.70%	2.01%	2.59%
Going to a bar	8.94%	22.07%	37.76%	59.21%	3.99%	10.15%	17.08%	34.25%	1.83%	1.70%	2.01%	2.59%



# San Francisco

# Risk Factor for Every Activities



Activities - General Risk & Ranking	San Francisco (No Mask - No Distance)				San Francisco (Mask - Social Distance)				San Francisco (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
<b>Low Risk: 1</b>												
Opening the mail	0.68%	4.53%	7.62%	10.33%	0.08%	0.53%	0.89%	1.20%	0.00%	0.01%	0.01%	0.01%
<b>Low Risk: 2</b>												
Getting restaurant takeout	0.96%	6.41%	10.78%	14.61%	0.11%	0.75%	1.25%	1.70%	0.00%	0.01%	0.01%	0.02%
Pumping gasoline	0.96%	6.41%	10.78%	14.61%	0.11%	0.75%	1.25%	1.70%	0.00%	0.01%	0.01%	0.02%
Playing tennis	0.96%	6.41%	10.78%	14.61%	0.11%	0.75%	1.25%	1.70%	0.00%	0.01%	0.01%	0.02%
Going camping	0.96%	6.41%	10.78%	14.61%	0.11%	0.75%	1.25%	1.70%	0.00%	0.01%	0.01%	0.02%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	2.99%	4.23%	7.60%	15.91%	0.30%	2.13%	4.24%	9.67%	0.05%	0.38%	0.64%	1.02%
Going for a walk, run, or bike ride with others	1.18%	7.85%	13.21%	17.90%	0.14%	0.91%	1.54%	2.08%	0.00%	0.01%	0.02%	0.02%
Playing golf	1.18%	7.85%	13.21%	17.90%	0.14%	0.91%	1.54%	2.08%	0.00%	0.01%	0.02%	0.02%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	1.36%	9.07%	15.25%	20.67%	0.13%	0.86%	1.45%	1.96%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	3.19%	10.65%	17.88%	29.94%	0.32%	1.07%	1.80%	3.02%	0.06%	0.16%	0.19%	0.19%
Attending a backyard barbecue	3.09%	10.33%	17.37%	29.21%	0.06%	0.19%	0.32%	0.54%	0.01%	0.03%	0.03%	0.04%
Going to a beach	3.14%	10.49%	17.62%	29.58%	0.19%	0.63%	1.06%	1.78%	0.03%	0.09%	0.11%	0.11%
Shopping at a mall	3.14%	10.49%	17.62%	29.58%	0.19%	0.63%	1.06%	1.78%	0.03%	0.09%	0.11%	0.11%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	4.08%	13.51%	22.43%	35.63%	1.64%	5.47%	9.20%	20.97%	1.64%	1.38%	1.64%	2.22%
Working a week in an office building	3.34%	6.06%	11.72%	27.93%	0.48%	1.59%	2.68%	8.97%	0.48%	0.40%	0.48%	0.95%
Swimming in a public pool	3.71%	9.79%	17.07%	31.78%	1.06%	3.53%	5.94%	14.97%	1.06%	0.89%	1.06%	1.58%
Visiting an elderly relative or friend in their home	3.71%	9.79%	17.07%	31.78%	1.06%	3.53%	5.94%	14.97%	1.06%	0.89%	1.06%	1.58%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
Eating in a restaurant (inside)	4.84%	8.66%	15.95%	26.33%	2.33%	4.63%	7.78%	13.09%	0.18%	0.31%	0.36%	0.36%
Attending a wedding or funeral	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
Traveling by plane	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
Playing basketball	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
Playing football	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
Hugging or shaking hands when greeting a friend	4.63%	11.51%	19.93%	32.17%	2.06%	5.24%	8.82%	17.68%	0.94%	0.88%	1.04%	1.34%
<b>High Risk: 8</b>												
Eating at a buffet	4.95%	12.31%	21.31%	34.39%	2.20%	5.60%	9.43%	18.90%	1.01%	0.94%	1.11%	1.43%
Working out at a gym	4.95%	12.31%	21.31%	34.39%	2.20%	5.60%	9.43%	18.90%	1.01%	0.94%	1.11%	1.43%
Going to an amusement park	4.95%	12.31%	21.31%	34.39%	2.20%	5.60%	9.43%	18.90%	1.01%	0.94%	1.11%	1.43%
Going to a movie theater	4.95%	12.31%	21.31%	34.39%	2.20%	5.60%	9.43%	18.90%	1.01%	0.94%	1.11%	1.43%
<b>Very High Risk: 9</b>												
Attending a large music concert	5.25%	13.06%	22.60%	36.48%	2.33%	5.94%	10.00%	20.05%	1.07%	0.99%	1.18%	1.52%
Going to a sports stadium	5.25%	13.06%	22.60%	36.48%	2.33%	5.94%	10.00%	20.05%	1.07%	0.99%	1.18%	1.52%
Attending a religious service with 500-plus worshippers	5.25%	13.06%	22.60%	36.48%	2.33%	5.94%	10.00%	20.05%	1.07%	0.99%	1.18%	1.52%
Going to a bar	5.25%	13.06%	22.60%	36.48%	2.33%	5.94%	10.00%	20.05%	1.07%	0.99%	1.18%	1.52%

# Sacramento

# Risk Factor for Every Activities



Activities - General Risk & Ranking	Sacramento (No Mask - No Distance)				Sacramento (Mask - Social Distance)				Sacramento (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
<b>Low Risk: 1</b>												
Opening the mail	0.30%	2.00%	3.36%	4.55%	0.03%	0.23%	0.39%	0.53%	0.00%	0.00%	0.01%	0.01%
<b>Low Risk: 2</b>												
Getting restaurant takeout	0.42%	2.82%	4.75%	6.43%	0.05%	0.33%	0.55%	0.75%	0.00%	0.01%	0.01%	0.01%
Pumping gasoline	0.42%	2.82%	4.75%	6.43%	0.05%	0.33%	0.55%	0.75%	0.00%	0.01%	0.01%	0.01%
Playing tennis	0.42%	2.82%	4.75%	6.43%	0.05%	0.33%	0.55%	0.75%	0.00%	0.01%	0.01%	0.01%
Going camping	0.42%	2.82%	4.75%	6.43%	0.05%	0.33%	0.55%	0.75%	0.00%	0.01%	0.01%	0.01%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	1.32%	1.86%	3.36%	7.11%	0.13%	0.94%	1.87%	4.26%	0.02%	0.17%	0.28%	0.45%
Going for a walk, run, or bike ride with others	0.52%	3.46%	5.81%	7.88%	0.06%	0.40%	0.68%	0.92%	0.00%	0.01%	0.01%	0.01%
Playing golf	0.52%	3.46%	5.81%	7.88%	0.06%	0.40%	0.68%	0.92%	0.00%	0.01%	0.01%	0.01%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	0.60%	3.99%	6.71%	9.10%	0.05%	0.33%	0.55%	0.75%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	1.40%	4.69%	7.89%	13.25%	0.14%	0.47%	0.79%	1.33%	0.03%	0.07%	0.08%	0.09%
Attending a backyard barbecue	1.36%	4.55%	7.65%	12.86%	0.03%	0.08%	0.14%	0.24%	0.00%	0.01%	0.02%	0.02%
Going to a beach	1.38%	4.62%	7.77%	13.06%	0.08%	0.28%	0.47%	0.78%	0.01%	0.04%	0.05%	0.05%
Shopping at a mall	1.38%	4.62%	7.77%	13.06%	0.08%	0.28%	0.47%	0.78%	0.01%	0.04%	0.05%	0.05%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	1.80%	6.00%	10.05%	16.35%	0.72%	2.41%	4.05%	9.23%	0.72%	0.61%	0.72%	0.98%
Working a week in an office building	1.47%	2.67%	5.18%	12.53%	0.21%	0.70%	1.18%	3.95%	0.21%	0.18%	0.21%	0.42%
Swimming in a public pool	1.63%	4.34%	7.61%	14.44%	0.47%	1.55%	2.61%	6.59%	0.47%	0.39%	0.47%	0.70%
Visiting an elderly relative or friend in their home	1.63%	4.34%	7.61%	14.44%	0.47%	1.55%	2.61%	6.59%	0.47%	0.39%	0.47%	0.70%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
Eating in a restaurant (inside)	2.13%	3.83%	7.11%	11.88%	1.02%	2.04%	3.43%	5.76%	0.08%	0.13%	0.16%	0.16%
Attending a wedding or funeral	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
Traveling by plane	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
Playing basketball	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
Playing football	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
Hugging or shaking hands when greeting a friend	2.04%	5.11%	8.91%	14.66%	0.91%	2.31%	3.88%	7.78%	0.42%	0.39%	0.46%	0.59%
<b>High Risk: 8</b>												
Eating at a buffet	2.18%	5.46%	9.52%	15.67%	0.97%	2.47%	4.15%	8.32%	0.44%	0.41%	0.49%	0.63%
Working out at a gym	2.18%	5.46%	9.52%	15.67%	0.97%	2.47%	4.15%	8.32%	0.44%	0.41%	0.49%	0.63%
Going to an amusement park	2.18%	5.46%	9.52%	15.67%	0.97%	2.47%	4.15%	8.32%	0.44%	0.41%	0.49%	0.63%
Going to a movie theater	2.18%	5.46%	9.52%	15.67%	0.97%	2.47%	4.15%	8.32%	0.44%	0.41%	0.49%	0.63%
<b>Very High Risk: 9</b>												
Attending a large music concert	2.32%	5.79%	10.10%	16.62%	1.03%	2.62%	4.40%	8.83%	0.47%	0.44%	0.52%	0.67%
Going to a sports stadium	2.32%	5.79%	10.10%	16.62%	1.03%	2.62%	4.40%	8.83%	0.47%	0.44%	0.52%	0.67%
Attending a religious service with 500-plus worshippers	2.32%	5.79%	10.10%	16.62%	1.03%	2.62%	4.40%	8.83%	0.47%	0.44%	0.52%	0.67%
Going to a bar	2.32%	5.79%	10.10%	16.62%	1.03%	2.62%	4.40%	8.83%	0.47%	0.44%	0.52%	0.67%

# Los Angeles

# Risk Factor for Every Activities



Activities - General Risk & Ranking	Los Angeles (No Mask - No Distance)				Los Angeles (Mask - Social Distance)				Los Angeles (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
<b>Low Risk: 1</b>												
Opening the mail	1.22%	8.09%	13.61%	18.45%	0.14%	0.94%	1.58%	2.15%	0.00%	0.01%	0.02%	0.02%
<b>Low Risk: 2</b>												
Getting restaurant takeout	1.72%	11.44%	19.25%	26.09%	0.20%	1.33%	2.24%	3.03%	0.00%	0.01%	0.02%	0.03%
Pumping gasoline	1.72%	11.44%	19.25%	26.09%	0.20%	1.33%	2.24%	3.03%	0.00%	0.01%	0.02%	0.03%
Playing tennis	1.72%	11.44%	19.25%	26.09%	0.20%	1.33%	2.24%	3.03%	0.00%	0.01%	0.02%	0.03%
Going camping	1.72%	11.44%	19.25%	26.09%	0.20%	1.33%	2.24%	3.03%	0.00%	0.01%	0.02%	0.03%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	5.34%	7.52%	13.45%	27.73%	0.53%	3.81%	7.57%	17.27%	0.10%	0.68%	1.14%	1.83%
Going for a walk, run, or bike ride with others	2.11%	14.02%	23.57%	31.95%	0.25%	1.63%	2.74%	3.72%	0.00%	0.02%	0.03%	0.04%
Playing golf	2.11%	14.02%	23.57%	31.95%	0.25%	1.63%	2.74%	3.72%	0.00%	0.02%	0.03%	0.04%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	2.43%	16.19%	27.22%	36.90%	0.20%	1.33%	2.24%	3.03%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	5.69%	18.97%	31.78%	53.00%	0.57%	1.91%	3.20%	5.39%	0.10%	0.29%	0.34%	0.34%
Attending a backyard barbecue	5.52%	18.44%	31.00%	52.10%	0.10%	0.34%	0.57%	0.96%	0.02%	0.05%	0.06%	0.06%
Going to a beach	5.61%	18.71%	31.39%	52.55%	0.34%	1.12%	1.89%	3.17%	0.06%	0.17%	0.20%	0.20%
Shopping at a mall	5.61%	18.71%	31.39%	52.55%	0.34%	1.12%	1.89%	3.17%	0.06%	0.17%	0.20%	0.20%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	7.27%	23.79%	38.94%	59.29%	2.92%	9.76%	16.42%	37.43%	2.92%	2.47%	2.92%	3.96%
Working a week in an office building	5.95%	10.79%	20.78%	48.36%	0.85%	2.85%	4.79%	16.01%	0.85%	0.72%	0.85%	1.69%
Swimming in a public pool	6.61%	17.29%	29.86%	53.82%	1.89%	6.31%	10.60%	26.72%	1.89%	1.60%	1.89%	2.83%
Visiting an elderly relative or friend in their home	6.61%	17.29%	29.86%	53.82%	1.89%	6.31%	10.60%	26.72%	1.89%	1.60%	1.89%	2.83%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
Eating in a restaurant (inside)	8.61%	15.33%	27.92%	45.12%	4.15%	8.26%	13.89%	23.36%	0.32%	0.55%	0.64%	0.64%
Attending a wedding or funeral	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
Traveling by plane	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
Playing basketball	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
Playing football	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
Hugging or shaking hands when greeting a friend	8.24%	20.32%	34.71%	54.22%	3.67%	9.36%	15.74%	31.57%	1.68%	1.57%	1.85%	2.39%
<b>High Risk: 8</b>												
Eating at a buffet	8.81%	21.72%	37.11%	57.96%	3.93%	10.01%	16.83%	33.75%	1.80%	1.67%	1.98%	2.56%
Working out at a gym	8.81%	21.72%	37.11%	57.96%	3.93%	10.01%	16.83%	33.75%	1.80%	1.67%	1.98%	2.56%
Going to an amusement park	8.81%	21.72%	37.11%	57.96%	3.93%	10.01%	16.83%	33.75%	1.80%	1.67%	1.98%	2.56%
Going to a movie theater	8.81%	21.72%	37.11%	57.96%	3.93%	10.01%	16.83%	33.75%	1.80%	1.67%	1.98%	2.56%
<b>Very High Risk: 9</b>												
Attending a large music concert	9.35%	23.04%	39.36%	61.48%	4.17%	10.61%	17.85%	35.80%	1.91%	1.78%	2.10%	2.71%
Going to a sports stadium	9.35%	23.04%	39.36%	61.48%	4.17%	10.61%	17.85%	35.80%	1.91%	1.78%	2.10%	2.71%
Attending a religious service with 500-plus worshippers	9.35%	23.04%	39.36%	61.48%	4.17%	10.61%	17.85%	35.80%	1.91%	1.78%	2.10%	2.71%
Going to a bar	9.35%	23.04%	39.36%	61.48%	4.17%	10.61%	17.85%	35.80%	1.91%	1.78%	2.10%	2.71%

# Risk Factor for Every Activities

Activities - General Risk & Ranking	France (No Mask - No Distance)				France (Mask - Social Distance)				France (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
<b>Low Risk: 1</b>												
Opening the mail	2.75%	18.29%	30.76%	41.69%	0.32%	2.13%	3.58%	4.85%	0.00%	0.02%	0.04%	0.05%
<b>Low Risk: 2</b>												
Getting restaurant takeout	3.89%	25.87%	43.50%	58.96%	0.45%	3.01%	5.06%	6.86%	0.00%	0.03%	0.05%	0.07%
Pumping gasoline	3.89%	25.87%	43.50%	58.96%	0.45%	3.01%	5.06%	6.86%	0.00%	0.03%	0.05%	0.07%
Playing tennis	3.89%	25.87%	43.50%	58.96%	0.45%	3.01%	5.06%	6.86%	0.00%	0.03%	0.05%	0.07%
Going camping	3.89%	25.87%	43.50%	58.96%	0.45%	3.01%	5.06%	6.86%	0.00%	0.03%	0.05%	0.07%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	12.05%	16.75%	29.42%	56.82%	1.21%	8.61%	17.12%	39.02%	0.21%	1.53%	2.58%	4.13%
Going for a walk, run, or bike ride with others	4.77%	31.68%	53.28%	72.21%	0.55%	3.68%	6.20%	8.40%	0.01%	0.04%	0.06%	0.08%
Playing golf	4.77%	31.68%	53.28%	72.21%	0.55%	3.68%	6.20%	8.40%	0.01%	0.04%	0.06%	0.08%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
Sitting in a doctor's waiting room	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
Going to a library or museum	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
Eating in a restaurant (outside)	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
Walking in a busy downtown	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
Spending an hour at a playground	5.50%	36.58%	61.52%	83.39%	0.45%	3.01%	5.06%	6.86%	0.00%	0.00%	0.01%	0.01%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	12.85%	42.53%	70.65%	91.70%	1.29%	4.31%	7.24%	12.18%	0.23%	0.65%	0.77%	0.77%
Attending a backyard barbecue	12.47%	41.65%	69.95%	91.70%	0.23%	0.77%	1.29%	2.17%	0.04%	0.12%	0.14%	0.14%
Going to a beach	12.66%	42.09%	70.30%	91.70%	0.76%	2.54%	4.27%	7.17%	0.13%	0.38%	0.45%	0.45%
Shopping at a mall	12.66%	42.09%	70.30%	91.70%	0.76%	2.54%	4.27%	7.17%	0.13%	0.38%	0.45%	0.45%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	16.26%	50.91%	78.18%	93.81%	6.60%	22.07%	37.11%	84.60%	6.60%	5.58%	6.60%	8.95%
Working a week in an office building	13.42%	24.11%	45.82%	93.81%	1.92%	6.43%	10.82%	36.18%	1.92%	1.63%	1.92%	3.83%
Swimming in a public pool	14.84%	37.51%	62.00%	93.81%	4.26%	14.25%	23.97%	60.39%	4.26%	3.61%	4.26%	6.39%
Visiting an elderly relative or friend in their home	14.84%	37.51%	62.00%	93.81%	4.26%	14.25%	23.97%	60.39%	4.26%	3.61%	4.26%	6.39%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
Eating in a restaurant (inside)	19.16%	33.47%	58.24%	85.18%	9.39%	18.67%	31.40%	52.80%	0.73%	1.23%	1.46%	1.46%
Attending a wedding or funeral	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
Traveling by plane	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
Playing basketball	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
Playing football	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
Hugging or shaking hands when greeting a friend	18.39%	43.82%	70.84%	92.95%	8.30%	21.15%	35.57%	71.35%	3.81%	3.54%	4.18%	5.40%
<b>High Risk: 8</b>												
Eating at a buffet	19.66%	46.84%	75.73%	99.36%	8.88%	22.61%	38.03%	76.27%	4.07%	3.78%	4.47%	5.77%
Working out at a gym	19.66%	46.84%	75.73%	99.36%	8.88%	22.61%	38.03%	76.27%	4.07%	3.78%	4.47%	5.77%
Going to an amusement park	19.66%	46.84%	75.73%	99.36%	8.88%	22.61%	38.03%	76.27%	4.07%	3.78%	4.47%	5.77%
Going to a movie theater	19.66%	46.84%	75.73%	99.36%	8.88%	22.61%	38.03%	76.27%	4.07%	3.78%	4.47%	5.77%
<b>Very High Risk: 9</b>												
Attending a large music concert	20.86%	49.68%	80.32%	100.00%	9.41%	23.98%	40.34%	80.90%	4.32%	4.01%	4.74%	6.12%
Going to a sports stadium	20.86%	49.68%	80.32%	100.00%	9.41%	23.98%	40.34%	80.90%	4.32%	4.01%	4.74%	6.12%
Attending a religious service with 500-plus worshippers	20.86%	49.68%	80.32%	100.00%	9.41%	23.98%	40.34%	80.90%	4.32%	4.01%	4.74%	6.12%
Going to a bar	20.86%	49.68%	80.32%	100.00%	9.41%	23.98%	40.34%	80.90%	4.32%	4.01%	4.74%	6.12%



# Germany

# Risk Factor for Every Activities



Activities - General Risk & Ranking	Germany (No Mask - No Distance)				Germany (Mask - Social Distance)				Germany (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
<b>Low Risk: 1</b>												
Opening the mail	1.26%	8.35%	14.04%	19.04%	0.15%	0.97%	1.63%	2.21%	0.00%	0.01%	0.02%	0.02%
<b>Low Risk: 2</b>												
Getting restaurant takeout	1.78%	11.81%	19.86%	26.92%	0.21%	1.37%	2.31%	3.13%	0.00%	0.01%	0.02%	0.03%
Pumping gasoline	1.78%	11.81%	19.86%	26.92%	0.21%	1.37%	2.31%	3.13%	0.00%	0.01%	0.02%	0.03%
Playing tennis	1.78%	11.81%	19.86%	26.92%	0.21%	1.37%	2.31%	3.13%	0.00%	0.01%	0.02%	0.03%
Going camping	1.78%	11.81%	19.86%	26.92%	0.21%	1.37%	2.31%	3.13%	0.00%	0.01%	0.02%	0.03%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	5.51%	7.75%	13.87%	28.56%	0.55%	3.93%	7.82%	17.82%	0.10%	0.70%	1.18%	1.88%
Going for a walk, run, or bike ride with others	2.18%	14.46%	24.32%	32.97%	0.25%	1.68%	2.83%	3.83%	0.00%	0.02%	0.03%	0.04%
Playing golf	2.18%	14.46%	24.32%	32.97%	0.25%	1.68%	2.83%	3.83%	0.00%	0.02%	0.03%	0.04%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	2.51%	16.70%	28.09%	38.07%	0.21%	1.37%	2.31%	3.13%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	5.87%	19.57%	32.78%	54.65%	0.59%	1.97%	3.31%	5.56%	0.10%	0.30%	0.35%	0.35%
Attending a backyard barbecue	5.69%	19.03%	31.99%	53.75%	0.10%	0.35%	0.59%	0.99%	0.02%	0.05%	0.06%	0.06%
Going to a beach	5.78%	19.30%	32.38%	54.20%	0.35%	1.16%	1.95%	3.28%	0.06%	0.17%	0.21%	0.21%
Shopping at a mall	5.78%	19.30%	32.38%	54.20%	0.35%	1.16%	1.95%	3.28%	0.06%	0.17%	0.21%	0.21%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	7.50%	24.52%	40.08%	60.80%	3.01%	10.08%	16.95%	38.63%	3.01%	2.55%	3.01%	4.08%
Working a week in an office building	6.14%	11.13%	21.43%	49.77%	0.88%	2.94%	4.94%	16.52%	0.88%	0.74%	0.88%	1.75%
Swimming in a public pool	6.82%	17.83%	30.76%	55.29%	1.95%	6.51%	10.94%	27.57%	1.95%	1.65%	1.95%	2.92%
Visiting an elderly relative or friend in their home	6.82%	17.83%	30.76%	55.29%	1.95%	6.51%	10.94%	27.57%	1.95%	1.65%	1.95%	2.92%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
Eating in a restaurant (inside)	8.88%	15.81%	28.76%	46.40%	4.29%	8.52%	14.33%	24.11%	0.33%	0.56%	0.67%	0.67%
Attending a wedding or funeral	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
Traveling by plane	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
Playing basketball	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
Playing football	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
Hugging or shaking hands when greeting a friend	8.50%	20.94%	35.75%	55.67%	3.79%	9.66%	16.24%	32.57%	1.74%	1.62%	1.91%	2.47%
<b>High Risk: 8</b>												
Eating at a buffet	9.09%	22.39%	38.21%	59.51%	4.05%	10.32%	17.36%	34.82%	1.86%	1.73%	2.04%	2.64%
Working out at a gym	9.09%	22.39%	38.21%	59.51%	4.05%	10.32%	17.36%	34.82%	1.86%	1.73%	2.04%	2.64%
Going to an amusement park	9.09%	22.39%	38.21%	59.51%	4.05%	10.32%	17.36%	34.82%	1.86%	1.73%	2.04%	2.64%
Going to a movie theater	9.09%	22.39%	38.21%	59.51%	4.05%	10.32%	17.36%	34.82%	1.86%	1.73%	2.04%	2.64%
<b>Very High Risk: 9</b>												
Attending a large music concert	9.64%	23.75%	40.53%	63.12%	4.30%	10.95%	18.42%	36.94%	1.97%	1.83%	2.17%	2.80%
Going to a sports stadium	9.64%	23.75%	40.53%	63.12%	4.30%	10.95%	18.42%	36.94%	1.97%	1.83%	2.17%	2.80%
Attending a religious service with 500-plus worshippers	9.64%	23.75%	40.53%	63.12%	4.30%	10.95%	18.42%	36.94%	1.97%	1.83%	2.17%	2.80%
Going to a bar	9.64%	23.75%	40.53%	63.12%	4.30%	10.95%	18.42%	36.94%	1.97%	1.83%	2.17%	2.80%

# Risk Factor for Every Activities

Activities - General Risk & Ranking	Italy (No Mask - No Distance)				Italy (Mask - Social Distance)				Italy (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
<b>Low Risk: 1</b>												
Opening the mail	2.45%	16.32%	27.44%	37.20%	0.29%	1.90%	3.19%	4.33%	0.00%	0.02%	0.03%	0.04%
<b>Low Risk: 2</b>												
Getting restaurant takeout	3.47%	23.08%	38.81%	52.61%	0.40%	2.68%	4.51%	6.12%	0.00%	0.03%	0.05%	0.06%
Pumping gasoline	3.47%	23.08%	38.81%	52.61%	0.40%	2.68%	4.51%	6.12%	0.00%	0.03%	0.05%	0.06%
Playing tennis	3.47%	23.08%	38.81%	52.61%	0.40%	2.68%	4.51%	6.12%	0.00%	0.03%	0.05%	0.06%
Going camping	3.47%	23.08%	38.81%	52.61%	0.40%	2.68%	4.51%	6.12%	0.00%	0.03%	0.05%	0.06%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	10.76%	14.99%	26.44%	51.82%	1.08%	7.68%	15.27%	34.81%	0.19%	1.37%	2.30%	3.68%
Going for a walk, run, or bike ride with others	4.25%	28.26%	47.53%	64.43%	0.49%	3.29%	5.53%	7.49%	0.00%	0.03%	0.06%	0.07%
Playing golf	4.25%	28.26%	47.53%	64.43%	0.49%	3.29%	5.53%	7.49%	0.00%	0.03%	0.06%	0.07%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
Sitting in a doctor's waiting room	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
Going to a library or museum	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
Eating in a restaurant (outside)	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
Walking in a busy downtown	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
Spending an hour at a playground	4.91%	32.64%	54.89%	74.40%	0.40%	2.68%	4.51%	6.12%	0.00%	0.00%	0.00%	0.01%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	11.46%	38.01%	63.25%	91.70%	1.15%	3.84%	6.46%	10.87%	0.20%	0.58%	0.68%	0.68%
Attending a backyard barbecue	11.12%	37.16%	62.43%	91.70%	0.20%	0.68%	1.15%	1.93%	0.04%	0.10%	0.12%	0.12%
Going to a beach	11.29%	37.59%	62.84%	91.70%	0.68%	2.26%	3.81%	6.40%	0.12%	0.34%	0.40%	0.40%
Shopping at a mall	11.29%	37.59%	62.84%	91.70%	0.68%	2.26%	3.81%	6.40%	0.12%	0.34%	0.40%	0.40%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	14.54%	45.97%	71.65%	91.98%	5.89%	19.69%	33.11%	75.48%	5.89%	4.98%	5.89%	7.98%
Working a week in an office building	11.98%	21.56%	41.10%	88.24%	1.72%	5.74%	9.65%	32.28%	1.72%	1.45%	1.72%	3.41%
Swimming in a public pool	13.26%	33.77%	56.37%	90.11%	3.80%	12.72%	21.38%	53.88%	3.80%	3.22%	3.80%	5.70%
Visiting an elderly relative or friend in their home	13.26%	33.77%	56.37%	90.11%	3.80%	12.72%	21.38%	53.88%	3.80%	3.22%	3.80%	5.70%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
Eating in a restaurant (inside)	17.15%	30.09%	52.89%	79.27%	8.38%	16.66%	28.01%	47.11%	0.65%	1.10%	1.30%	1.30%
Attending a wedding or funeral	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
Traveling by plane	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
Playing basketball	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
Playing football	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
Hugging or shaking hands when greeting a friend	16.46%	39.49%	64.67%	88.92%	7.41%	18.87%	31.74%	63.66%	3.40%	3.16%	3.73%	4.82%
<b>High Risk: 8</b>												
Eating at a buffet	17.59%	42.22%	69.13%	95.06%	7.92%	20.18%	33.93%	68.05%	3.63%	3.38%	3.99%	5.15%
Working out at a gym	17.59%	42.22%	69.13%	95.06%	7.92%	20.18%	33.93%	68.05%	3.63%	3.38%	3.99%	5.15%
Going to an amusement park	17.59%	42.22%	69.13%	95.06%	7.92%	20.18%	33.93%	68.05%	3.63%	3.38%	3.99%	5.15%
Going to a movie theater	17.59%	42.22%	69.13%	95.06%	7.92%	20.18%	33.93%	68.05%	3.63%	3.38%	3.99%	5.15%
<b>Very High Risk: 9</b>												
Attending a large music concert	18.66%	44.78%	73.33%	100.83%	8.40%	21.40%	35.99%	72.18%	3.85%	3.58%	4.23%	5.46%
Going to a sports stadium	18.66%	44.78%	73.33%	100.83%	8.40%	21.40%	35.99%	72.18%	3.85%	3.58%	4.23%	5.46%
Attending a religious service with 500-plus worshippers	18.66%	44.78%	73.33%	100.83%	8.40%	21.40%	35.99%	72.18%	3.85%	3.58%	4.23%	5.46%
Going to a bar	18.66%	44.78%	73.33%	100.83%	8.40%	21.40%	35.99%	72.18%	3.85%	3.58%	4.23%	5.46%



# Risk Factor for Every Activities

Activities - General Risk & Ranking	Spain (No Mask - No Distance)				Spain (Mask - Social Distance)				Spain (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
<b>Low Risk: 1</b>												
Opening the mail	2.13%	14.13%	23.76%	32.21%	0.25%	1.64%	2.76%	3.75%	0.00%	0.02%	0.03%	0.04%
<b>Low Risk: 2</b>												
Getting restaurant takeout	3.01%	19.98%	33.61%	45.55%	0.35%	2.32%	3.91%	5.30%	0.00%	0.02%	0.04%	0.05%
Pumping gasoline	3.01%	19.98%	33.61%	45.55%	0.35%	2.32%	3.91%	5.30%	0.00%	0.02%	0.04%	0.05%
Playing tennis	3.01%	19.98%	33.61%	45.55%	0.35%	2.32%	3.91%	5.30%	0.00%	0.02%	0.04%	0.05%
Going camping	3.01%	19.98%	33.61%	45.55%	0.35%	2.32%	3.91%	5.30%	0.00%	0.02%	0.04%	0.05%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	9.32%	13.02%	23.07%	45.90%	0.93%	6.65%	13.22%	30.15%	0.17%	1.18%	1.99%	3.19%
Going for a walk, run, or bike ride with others	3.68%	24.47%	41.16%	55.79%	0.43%	2.85%	4.79%	6.49%	0.00%	0.03%	0.05%	0.07%
Playing golf	3.68%	24.47%	41.16%	55.79%	0.43%	2.85%	4.79%	6.49%	0.00%	0.03%	0.05%	0.07%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
Sitting in a doctor's waiting room	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
Going to a library or museum	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
Eating in a restaurant (outside)	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
Walking in a busy downtown	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
Spending an hour at a playground	4.25%	28.26%	47.53%	64.42%	0.35%	2.32%	3.91%	5.30%	0.00%	0.00%	0.00%	0.01%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	9.93%	32.98%	54.98%	90.83%	0.99%	3.33%	5.59%	9.41%	0.18%	0.50%	0.59%	0.59%
Attending a backyard barbecue	9.63%	32.18%	54.08%	90.79%	0.18%	0.59%	1.00%	1.67%	0.03%	0.09%	0.11%	0.11%
Going to a beach	9.78%	32.58%	54.53%	90.81%	0.59%	1.96%	3.30%	5.54%	0.10%	0.30%	0.35%	0.35%
Shopping at a mall	9.78%	32.58%	54.53%	90.81%	0.59%	1.96%	3.30%	5.54%	0.10%	0.30%	0.35%	0.35%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	12.62%	40.31%	63.77%	86.73%	5.10%	17.05%	28.67%	65.36%	5.10%	4.31%	5.10%	6.91%
Working a week in an office building	10.38%	18.72%	35.79%	78.74%	1.49%	4.97%	8.36%	27.95%	1.49%	1.26%	1.49%	2.96%
Swimming in a public pool	11.50%	29.51%	49.78%	82.74%	3.29%	11.01%	18.52%	46.66%	3.29%	2.79%	3.29%	4.93%
Visiting an elderly relative or friend in their home	11.50%	29.51%	49.78%	82.74%	3.29%	11.01%	18.52%	46.66%	3.29%	2.79%	3.29%	4.93%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
Eating in a restaurant (inside)	14.90%	26.26%	46.65%	71.60%	7.25%	14.42%	24.25%	40.79%	0.57%	0.95%	1.13%	1.13%
Attending a wedding or funeral	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
Traveling by plane	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
Playing basketball	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
Playing football	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
Hugging or shaking hands when greeting a friend	14.29%	34.57%	57.34%	82.22%	6.41%	16.34%	27.48%	55.12%	2.94%	2.73%	3.23%	4.17%
<b>High Risk: 8</b>												
Eating at a buffet	15.28%	36.95%	61.29%	87.89%	6.86%	17.47%	29.38%	58.92%	3.14%	2.92%	3.46%	4.46%
Working out at a gym	15.28%	36.95%	61.29%	87.89%	6.86%	17.47%	29.38%	58.92%	3.14%	2.92%	3.46%	4.46%
Going to an amusement park	15.28%	36.95%	61.29%	87.89%	6.86%	17.47%	29.38%	58.92%	3.14%	2.92%	3.46%	4.46%
Going to a movie theater	15.28%	36.95%	61.29%	87.89%	6.86%	17.47%	29.38%	58.92%	3.14%	2.92%	3.46%	4.46%
<b>Very High Risk: 9</b>												
Attending a large music concert	16.20%	39.19%	65.01%	93.22%	7.27%	18.53%	31.16%	62.50%	3.34%	3.10%	3.66%	4.73%
Going to a sports stadium	16.20%	39.19%	65.01%	93.22%	7.27%	18.53%	31.16%	62.50%	3.34%	3.10%	3.66%	4.73%
Attending a religious service with 500-plus worshippers	16.20%	39.19%	65.01%	93.22%	7.27%	18.53%	31.16%	62.50%	3.34%	3.10%	3.66%	4.73%
Going to a bar	16.20%	39.19%	65.01%	93.22%	7.27%	18.53%	31.16%	62.50%	3.34%	3.10%	3.66%	4.73%

# United Kingdom

## Risk Factor for Every Activities



Activities - General Risk & Ranking	United Kingdom (No Mask - No Distance)				United Kingdom (Mask - Social Distance)				United Kingdom (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
<b>Low Risk: 1</b>												
Opening the mail	1.77%	11.80%	19.84%	26.89%	0.21%	1.37%	2.31%	3.13%	0.00%	0.01%	0.02%	0.03%
<b>Low Risk: 2</b>												
Getting restaurant takeout	2.51%	16.68%	28.06%	38.03%	0.29%	1.94%	3.26%	4.42%	0.00%	0.02%	0.03%	0.05%
Pumping gasoline	2.51%	16.68%	28.06%	38.03%	0.29%	1.94%	3.26%	4.42%	0.00%	0.02%	0.03%	0.05%
Playing tennis	2.51%	16.68%	28.06%	38.03%	0.29%	1.94%	3.26%	4.42%	0.00%	0.02%	0.03%	0.05%
Going camping	2.51%	16.68%	28.06%	38.03%	0.29%	1.94%	3.26%	4.42%	0.00%	0.02%	0.03%	0.05%
<b>Low-Moderate Risk: 3</b>												
Grocery shopping	7.78%	10.90%	19.40%	39.18%	0.78%	5.55%	11.04%	25.17%	0.14%	0.99%	1.66%	2.66%
Going for a walk, run, or bike ride with others	3.07%	20.43%	34.36%	46.57%	0.36%	2.38%	4.00%	5.42%	0.00%	0.02%	0.04%	0.06%
Playing golf	3.07%	20.43%	34.36%	46.57%	0.36%	2.38%	4.00%	5.42%	0.00%	0.02%	0.04%	0.06%
<b>Low-Moderate Risk: 4</b>												
Staying at a hotel for two nights	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	3.55%	23.59%	39.68%	53.78%	0.29%	1.94%	3.26%	4.42%	0.00%	0.00%	0.00%	0.00%
<b>Moderate Risk: 5</b>												
Having dinner at someone else's house	8.29%	27.58%	46.07%	76.41%	0.83%	2.78%	4.67%	7.86%	0.15%	0.42%	0.49%	0.49%
Attending a backyard barbecue	8.04%	26.87%	45.16%	75.85%	0.15%	0.49%	0.83%	1.40%	0.03%	0.07%	0.09%	0.09%
Going to a beach	8.17%	27.23%	45.62%	76.13%	0.49%	1.64%	2.75%	4.63%	0.09%	0.25%	0.29%	0.29%
Shopping at a mall	8.17%	27.23%	45.62%	76.13%	0.49%	1.64%	2.75%	4.63%	0.09%	0.25%	0.29%	0.29%
<b>Moderate Risk: 6</b>												
Sending kids to school, camp, or day care	10.56%	34.07%	54.68%	78.22%	4.26%	14.23%	23.94%	54.56%	4.26%	3.60%	4.26%	5.77%
Working a week in an office building	8.67%	15.67%	30.05%	67.69%	1.24%	4.15%	6.98%	23.34%	1.24%	1.05%	1.24%	2.47%
Swimming in a public pool	9.61%	24.87%	42.36%	72.95%	2.75%	9.19%	15.46%	38.95%	2.75%	2.33%	2.75%	4.12%
Visiting an elderly relative or friend in their home	9.61%	24.87%	42.36%	72.95%	2.75%	9.19%	15.46%	38.95%	2.75%	2.33%	2.75%	4.12%
<b>Moderate-High Risk: 7</b>												
Going to a hair salon or barbershop	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
Eating in a restaurant (inside)	12.48%	22.09%	39.66%	62.25%	6.06%	12.04%	20.25%	34.05%	0.47%	0.79%	0.94%	0.94%
Attending a wedding or funeral	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
Traveling by plane	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
Playing basketball	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
Playing football	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
Hugging or shaking hands when greeting a friend	11.96%	29.17%	48.99%	72.94%	5.35%	13.64%	22.94%	46.01%	2.46%	2.28%	2.70%	3.48%
<b>High Risk: 8</b>												
Eating at a buffet	12.79%	31.18%	52.37%	77.97%	5.72%	14.58%	24.53%	49.19%	2.63%	2.44%	2.88%	3.72%
Working out at a gym	12.79%	31.18%	52.37%	77.97%	5.72%	14.58%	24.53%	49.19%	2.63%	2.44%	2.88%	3.72%
Going to an amusement park	12.79%	31.18%	52.37%	77.97%	5.72%	14.58%	24.53%	49.19%	2.63%	2.44%	2.88%	3.72%
Going to a movie theater	12.79%	31.18%	52.37%	77.97%	5.72%	14.58%	24.53%	49.19%	2.63%	2.44%	2.88%	3.72%
<b>Very High Risk: 9</b>												
Attending a large music concert	13.57%	33.07%	55.55%	82.70%	6.07%	15.47%	26.01%	52.18%	2.78%	2.59%	3.06%	3.95%
Going to a sports stadium	13.57%	33.07%	55.55%	82.70%	6.07%	15.47%	26.01%	52.18%	2.78%	2.59%	3.06%	3.95%
Attending a religious service with 500-plus worshippers	13.57%	33.07%	55.55%	82.70%	6.07%	15.47%	26.01%	52.18%	2.78%	2.59%	3.06%	3.95%
Going to a bar	13.57%	33.07%	55.55%	82.70%	6.07%	15.47%	26.01%	52.18%	2.78%	2.59%	3.06%	3.95%

# Reduce Risk → Increase Confidence

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

# What's your Risk?

## Covid19 – Screening App

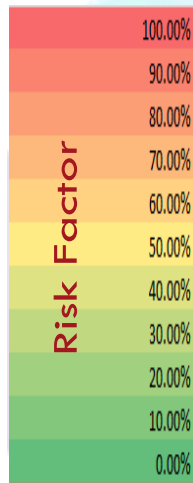


Patient #	Covid19 Symptoms	Care Facilities	Exposure + Sick	PreCondition + Profile	Test- Screening Score	Your Test-Screening Score		
	S-Decision 1	S-Decision 2	S- Decision 3	Decision 5	Covid19 Test	Test	75--100	100
Patient #	Decision 1	Decision 2	Decision 3+ 5 + 6	Decision R2+Inf2+Inf1	COVID19- Screening	Test	75--100	100
	0	0	0	0	0			
	100	1	100	100	100	Test	75--100	100
xxx- 12647	83	1	44	57	83	Test	50-75	75
xxx-398565	100	1	29	49	100			60
xxx-792854	83	0	89	47	89	Test	25-50	50
xxx-156483	0	1	52	57	57			30
xxx-169022	50	1	60	65	65			20
xxx-930498	100	1	29	49	100	No Test	10-25	20
xxx-489265	0	1	52	57	57			0

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				

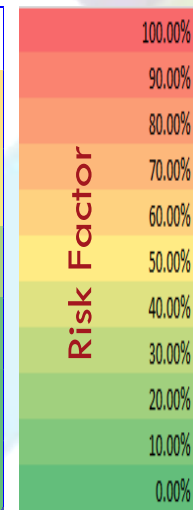
# Reduce Risk → Increase Confidence

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	



$Confidence\% = 1 - RiskFactor\%$

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 - <=10000 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%



- 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)

%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%
	83.49%	96.32%
	87.95%	97.31%
	75.46%	94.54%
	55.70%	90.15%
	50.14%	88.92%
	43.52%	87.45%
Average Confidence Gain - Percent %		10.00%
	66.05%	92.45%
		0.00%



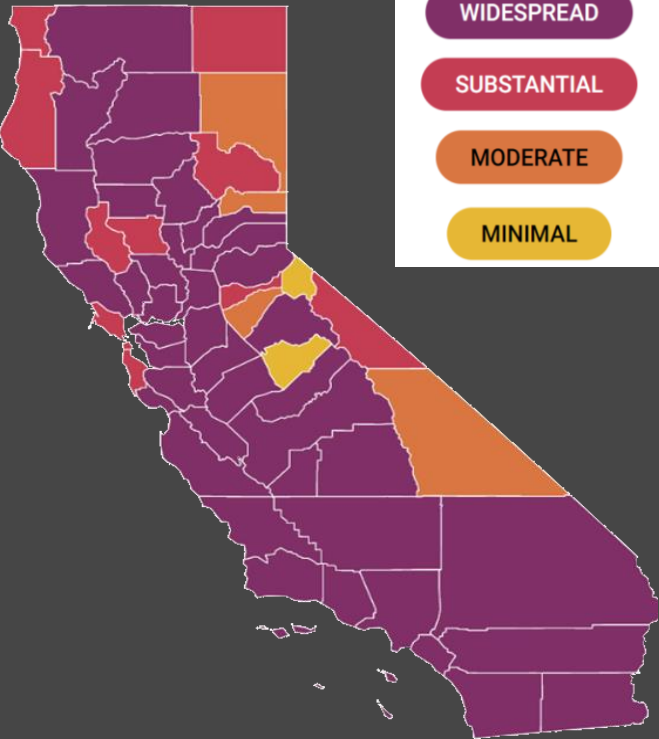
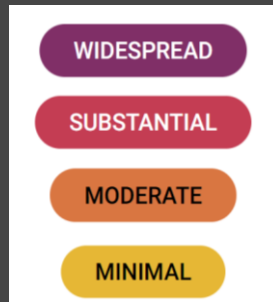


# Insights and Informed actionable decisions:

- 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 Covide19?



# 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?

# 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.

<https://www.ailluminate.com>

Powered by:



# 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.

<https://www.ailluminare.com>

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## Restaurants

# Restaurants



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## 100% 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	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
<b>Low Risk: 1</b>												
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%
<b>Low Risk: 2</b>												
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%
<b>Low-Moderate Risk: 3</b>												
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%
<b>Low-Moderate Risk: 4</b>												
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%
<b>Moderate Risk: 5</b>												
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%
<b>Moderate Risk: 6</b>												
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%
<b>Moderate-High Risk: 7</b>												
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%
<b>High Risk: 8</b>												
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%
<b>Very High Risk: 9</b>												
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 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 economical impact while save lives.

**We can open America safely!**

# Knowledge is Power!

Comprehensive - Covid19 Report  
California vs. EU-UK  
November 2020



Download full report @

<https://www.ailluminatE.com>

**Open Society & Economy Safely!**

# Knowledge is Power!

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