

Bio-Forecasting – Covid19

Forecasting Covid19 Risk Factors



How it's been done?
What's good for?

Knowledge is Power!

How it's been done?



Modeling/Simulation COVID-19 Scenarios
Computational Fluid Dynamic Simulation

Less Than 90 Seconds Survey



Less than 90 seconds (initial Setup)



6-10 seconds (Individual) & (10-20 Seconds Business)/day after initial setup

CR Score[®] Individual



- **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.**

CR Score[®] Businesses



- **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.

CR Score[®]



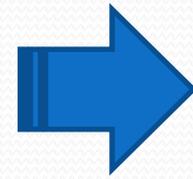
★★★★★ 10/17/2013
 Loved it
 Absolutely Outstanding! The Grounds at Grace Vineyards are stunning...there are SO many photo ops. I must give 5 stars for Steve the owner he is simply wonderful. He was so organized, flexible and prompt I never was stressed. The food was great and the vino was delicious!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



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

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

DISCOVER NETWORK
 MasterCard

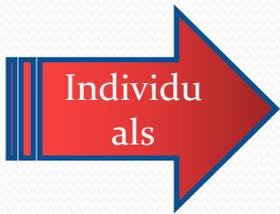


FICO SCORE

- 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)
 COVID-19

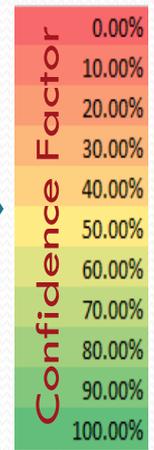
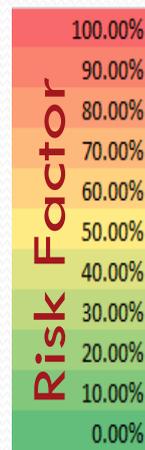


Community Aggregated Data Used for ALERT Alternative Decision for Risk Score	Screening RISK Score			
High Risk → R ₀ > 2	Call Hospital for Test	Test 75-100	100	Test at Hospital - ER
Medium-High Risk → R ₀ > 1 & < 2	Isolate Immediately - You need Test You should Isolate - Call Healthcare Provider	Test 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)
 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)



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[®]

What's good for?



CR Score®

Best Time & Best Day for Every Activity? Your Risk?

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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Data Source: April 28-May 3, 2020 © (Last Update - July 4, 2020)

Knowledge is Power

Re-open Society & Economy

AilluminatEX has developed 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.

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.

Risk Color Codes

Individual Risk

High Risk
Medium Risk
Moderate Risk
Low Risk

Business Risk

High Risk
Medium Risk
Moderate Risk
Low Risk

EU Risk Tiers

High Risk
Medium Risk
Low Risk
Insufficient Data

Activity Risk

High Risk
Medium Risk
Moderate Risk
Moderate-Low Risk
Low Risk

CA Risk Tiers

Widespread
Substantial
Moderate
Minimal

UK Risk Tiers

High Risk
Medium Risk
Moderate Risk
Moderate-Low Risk
Low Risk

California Risk Tiers



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				

California vs. EU-UK



France

Risk Factor for Every Activity



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
Low Risk: 1												
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%
Low Risk: 2												
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%
Low-Moderate Risk: 3												
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%
Low-Moderate Risk: 4												
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%
Moderate Risk: 5												
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%
Moderate Risk: 6												
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%
Moderate-High Risk: 7												
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%
High Risk: 8												
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%
Very High Risk: 9												
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%

Tourist Destinations



Ailluminare



Tourist Destinations!



- What's the likelihood that you may get infected if you go to clubbing in San Francisco, Paris, Vienna, or Athens?
- What if you go to Thanksgiving dinner, Christmas or New Year Eve party with 25, 50, 100 guests, in Madrid or Venice?
- What about if you go to a Potluck Party, or a wedding in Barcelona? What if you go to London or Oslo?
- 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?

Barcelona, Spain

Risk Factor for Every Activity



Activities - General Risk & Ranking	Barcelona, Spain (No Mask - No Distance)				Barcelona, Spain (Mask - Social Distance)				Barcelona, 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
Low Risk: 1												
Opening the mail	2.43%	16.13%	27.13%	36.78%	0.28%	1.88%	3.16%	4.28%	0.00%	0.02%	0.03%	0.04%
Low Risk: 2												
Getting restaurant takeout	3.43%	22.82%	38.37%	52.01%	0.40%	2.65%	4.46%	6.05%	0.00%	0.03%	0.04%	0.06%
Pumping gasoline	3.43%	22.82%	38.37%	52.01%	0.40%	2.65%	4.46%	6.05%	0.00%	0.03%	0.04%	0.06%
Playing tennis	3.43%	22.82%	38.37%	52.01%	0.40%	2.65%	4.46%	6.05%	0.00%	0.03%	0.04%	0.06%
Going camping	3.43%	22.82%	38.37%	52.01%	0.40%	2.65%	4.46%	6.05%	0.00%	0.03%	0.04%	0.06%
Low-Moderate Risk: 3												
Grocery shopping	10.63%	14.82%	26.16%	51.34%	1.07%	7.60%	15.10%	34.42%	0.19%	1.35%	2.27%	3.64%
Going for a walk, run, or bike ride with others	4.20%	27.95%	47.00%	63.70%	0.49%	3.25%	5.47%	7.41%	0.00%	0.03%	0.05%	0.07%
Playing golf	4.20%	27.95%	47.00%	63.70%	0.49%	3.25%	5.47%	7.41%	0.00%	0.03%	0.05%	0.07%
Low-Moderate Risk: 4												
Staying at a hotel for two nights	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Sitting in a doctor's waiting room	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Going to a library or museum	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Eating in a restaurant (outside)	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Walking in a busy downtown	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Spending an hour at a playground	4.85%	32.27%	54.27%	73.56%	0.40%	2.65%	4.46%	6.05%	0.00%	0.00%	0.00%	0.01%
Moderate Risk: 5												
Having dinner at someone else's house	11.34%	37.59%	62.56%	91.70%	1.14%	3.80%	6.39%	10.74%	0.20%	0.57%	0.68%	0.68%
Attending a backyard barbecue	11.00%	36.74%	61.73%	91.70%	0.20%	0.68%	1.14%	1.91%	0.04%	0.10%	0.12%	0.12%
Going to a beach	11.17%	37.17%	62.14%	91.70%	0.67%	2.24%	3.76%	6.33%	0.12%	0.34%	0.40%	0.40%
Shopping at a mall	11.17%	37.17%	62.14%	91.70%	0.67%	2.24%	3.76%	6.33%	0.12%	0.34%	0.40%	0.40%
Moderate Risk: 6												
Sending kids to school, camp, or day care	14.38%	45.50%	71.01%	91.65%	5.82%	19.47%	32.74%	74.63%	5.82%	4.92%	5.82%	7.89%
Working a week in an office building	11.85%	21.32%	40.65%	87.47%	1.70%	5.68%	9.55%	31.92%	1.70%	1.44%	1.70%	3.38%
Swimming in a public pool	13.11%	33.41%	55.83%	89.56%	3.76%	12.57%	21.14%	53.27%	3.76%	3.18%	3.76%	5.63%
Visiting an elderly relative or friend in their home	13.11%	33.41%	55.83%	89.56%	3.76%	12.57%	21.14%	53.27%	3.76%	3.18%	3.76%	5.63%
Moderate-High Risk: 7												
Going to a hair salon or barbershop	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
Eating in a restaurant (inside)	16.96%	29.77%	52.38%	78.66%	8.28%	16.47%	27.69%	46.58%	0.65%	1.09%	1.28%	1.28%
Attending a wedding or funeral	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
Traveling by plane	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
Playing basketball	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
Playing football	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
Hugging or shaking hands when greeting a friend	16.27%	39.08%	64.07%	88.43%	7.32%	18.66%	31.38%	62.94%	3.36%	3.12%	3.69%	4.76%
High Risk: 8												
Eating at a buffet	17.40%	41.78%	68.49%	94.54%	7.83%	19.95%	33.55%	67.28%	3.59%	3.34%	3.95%	5.09%
Working out at a gym	17.40%	41.78%	68.49%	94.54%	7.83%	19.95%	33.55%	67.28%	3.59%	3.34%	3.95%	5.09%
Going to an amusement park	17.40%	41.78%	68.49%	94.54%	7.83%	19.95%	33.55%	67.28%	3.59%	3.34%	3.95%	5.09%
Going to a movie theater	17.40%	41.78%	68.49%	94.54%	7.83%	19.95%	33.55%	67.28%	3.59%	3.34%	3.95%	5.09%
Very High Risk: 9												
Attending a large music concert	18.45%	44.32%	72.65%	100.00%	8.30%	21.16%	35.58%	71.36%	3.81%	3.54%	4.18%	5.40%
Going to a sports stadium	18.45%	44.32%	72.65%	100.00%	8.30%	21.16%	35.58%	71.36%	3.81%	3.54%	4.18%	5.40%
Attending a religious service with 500-plus worshippers	18.45%	44.32%	72.65%	100.00%	8.30%	21.16%	35.58%	71.36%	3.81%	3.54%	4.18%	5.40%
Going to a bar	18.45%	44.32%	72.65%	100.00%	8.30%	21.16%	35.58%	71.36%	3.81%	3.54%	4.18%	5.40%

London, United Kingdom

Risk Factor for Every Activity



Activities - General Risk & Ranking	London, United Kingdom (No Mask - No Distance)				London, United Kingdom (Mask - Social Distance)				London, 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
Low Risk: 1												
Opening the mail	1.23%	8.16%	13.73%	18.61%	0.14%	0.95%	1.60%	2.16%	0.00%	0.01%	0.02%	0.02%
Low Risk: 2												
Getting restaurant takeout	1.74%	11.54%	19.41%	26.31%	0.20%	1.34%	2.26%	3.06%	0.00%	0.01%	0.02%	0.03%
Pumping gasoline	1.74%	11.54%	19.41%	26.31%	0.20%	1.34%	2.26%	3.06%	0.00%	0.01%	0.02%	0.03%
Playing tennis	1.74%	11.54%	19.41%	26.31%	0.20%	1.34%	2.26%	3.06%	0.00%	0.01%	0.02%	0.03%
Going camping	1.74%	11.54%	19.41%	26.31%	0.20%	1.34%	2.26%	3.06%	0.00%	0.01%	0.02%	0.03%
Low-Moderate Risk: 3												
Grocery shopping	5.39%	7.58%	13.57%	27.96%	0.54%	3.84%	7.64%	17.41%	0.10%	0.68%	1.15%	1.84%
Going for a walk, run, or bike ride with others	2.13%	14.14%	23.78%	32.23%	0.25%	1.64%	2.77%	3.75%	0.00%	0.02%	0.03%	0.04%
Playing golf	2.13%	14.14%	23.78%	32.23%	0.25%	1.64%	2.77%	3.75%	0.00%	0.02%	0.03%	0.04%
Low-Moderate Risk: 4												
Staying at a hotel for two nights	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	2.46%	16.33%	27.46%	37.21%	0.20%	1.34%	2.26%	3.06%	0.00%	0.00%	0.00%	0.00%
Moderate Risk: 5												
Having dinner at someone else's house	5.74%	19.14%	32.05%	53.45%	0.57%	1.92%	3.23%	5.44%	0.10%	0.29%	0.34%	0.34%
Attending a backyard barbecue	5.57%	18.60%	31.27%	52.55%	0.10%	0.34%	0.58%	0.97%	0.02%	0.05%	0.06%	0.06%
Going to a beach	5.65%	18.87%	31.66%	53.00%	0.34%	1.13%	1.90%	3.20%	0.06%	0.17%	0.20%	0.20%
Shopping at a mall	5.65%	18.87%	31.66%	53.00%	0.34%	1.13%	1.90%	3.20%	0.06%	0.17%	0.20%	0.20%
Moderate Risk: 6												
Sending kids to school, camp, or day care	7.33%	23.99%	39.25%	59.70%	2.95%	9.85%	16.56%	37.76%	2.95%	2.49%	2.95%	3.99%
Working a week in an office building	6.01%	10.89%	20.96%	48.74%	0.86%	2.87%	4.83%	16.15%	0.86%	0.73%	0.86%	1.71%
Swimming in a public pool	6.67%	17.44%	30.10%	54.22%	1.90%	6.36%	10.70%	26.95%	1.90%	1.61%	1.90%	2.85%
Visiting an elderly relative or friend in their home	6.67%	17.44%	30.10%	54.22%	1.90%	6.36%	10.70%	26.95%	1.90%	1.61%	1.90%	2.85%
Moderate-High Risk: 7												
Going to a hair salon or barbershop	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
Eating in a restaurant (inside)	8.68%	15.46%	28.14%	45.47%	4.19%	8.33%	14.01%	23.56%	0.33%	0.55%	0.65%	0.65%
Attending a wedding or funeral	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
Traveling by plane	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
Playing basketball	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
Playing football	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
Hugging or shaking hands when greeting a friend	8.31%	20.49%	34.99%	54.61%	3.71%	9.44%	15.88%	31.84%	1.70%	1.58%	1.87%	2.41%
High Risk: 8												
Eating at a buffet	8.89%	21.90%	37.41%	58.38%	3.96%	10.09%	16.97%	34.04%	1.82%	1.69%	2.00%	2.58%
Working out at a gym	8.89%	21.90%	37.41%	58.38%	3.96%	10.09%	16.97%	34.04%	1.82%	1.69%	2.00%	2.58%
Going to an amusement park	8.89%	21.90%	37.41%	58.38%	3.96%	10.09%	16.97%	34.04%	1.82%	1.69%	2.00%	2.58%
Going to a movie theater	8.89%	21.90%	37.41%	58.38%	3.96%	10.09%	16.97%	34.04%	1.82%	1.69%	2.00%	2.58%
Very High Risk: 9												
Attending a large music concert	9.43%	23.23%	39.68%	61.92%	4.20%	10.70%	18.00%	36.10%	1.93%	1.79%	2.12%	2.73%
Going to a sports stadium	9.43%	23.23%	39.68%	61.92%	4.20%	10.70%	18.00%	36.10%	1.93%	1.79%	2.12%	2.73%
Attending a religious service with 500-plus worshippers	9.43%	23.23%	39.68%	61.92%	4.20%	10.70%	18.00%	36.10%	1.93%	1.79%	2.12%	2.73%
Going to a bar	9.43%	23.23%	39.68%	61.92%	4.20%	10.70%	18.00%	36.10%	1.93%	1.79%	2.12%	2.73%

Rome, Italy

Risk Factor for Every Activity



Activities - General Risk & Ranking	Rome, Italy (No Mask - No Distance)				Rome, Italy (Mask - Social Distance)				Rome, Italy (Mask - Social Distance - Touchless (Reduce Touches by Factor of 10))			
	Low/Minimal Crowd	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded	\	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded	Low/Minimal Crowd	Moderate Crowd	Medium/Substantial Crowd	Highly Crowded
Low Risk: 1												
Opening the mail	1.86%	12.37%	20.81%	28.20%	0.22%	1.44%	2.42%	3.28%	0.00%	0.01%	0.02%	0.03%
Low Risk: 2												
Getting restaurant takeout	2.63%	17.50%	29.42%	39.88%	0.31%	2.03%	3.42%	4.64%	0.00%	0.02%	0.03%	0.05%
Pumping gasoline	2.63%	17.50%	29.42%	39.88%	0.31%	2.03%	3.42%	4.64%	0.00%	0.02%	0.03%	0.05%
Playing tennis	2.63%	17.50%	29.42%	39.88%	0.31%	2.03%	3.42%	4.64%	0.00%	0.02%	0.03%	0.05%
Going camping	2.63%	17.50%	29.42%	39.88%	0.31%	2.03%	3.42%	4.64%	0.00%	0.02%	0.03%	0.05%
Low-Moderate Risk: 3												
Grocery shopping	8.16%	11.43%	20.31%	40.88%	0.82%	5.82%	11.58%	26.39%	0.15%	1.04%	1.74%	2.79%
Going for a walk, run, or bike ride with others	3.22%	21.43%	36.04%	48.85%	0.37%	2.49%	4.19%	5.68%	0.00%	0.03%	0.04%	0.06%
Playing golf	3.22%	21.43%	36.04%	48.85%	0.37%	2.49%	4.19%	5.68%	0.00%	0.03%	0.04%	0.06%
Low-Moderate Risk: 4												
Staying at a hotel for two nights	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Sitting in a doctor's waiting room	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Going to a library or museum	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Eating in a restaurant (outside)	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Walking in a busy downtown	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Spending an hour at a playground	3.72%	24.74%	41.61%	56.40%	0.31%	2.03%	3.42%	4.64%	0.00%	0.00%	0.00%	0.00%
Moderate Risk: 5												
Having dinner at someone else's house	8.70%	28.91%	48.27%	79.99%	0.87%	2.91%	4.90%	8.24%	0.15%	0.44%	0.52%	0.52%
Attending a backyard barbecue	8.43%	28.18%	47.36%	79.54%	0.15%	0.52%	0.87%	1.47%	0.03%	0.08%	0.09%	0.09%
Going to a beach	8.57%	28.55%	47.82%	79.76%	0.51%	1.72%	2.89%	4.85%	0.09%	0.26%	0.31%	0.31%
Shopping at a mall	8.57%	28.55%	47.82%	79.76%	0.51%	1.72%	2.89%	4.85%	0.09%	0.26%	0.31%	0.31%
Moderate Risk: 6												
Sending kids to school, camp, or day care	11.07%	35.63%	56.98%	80.58%	4.46%	14.93%	25.10%	57.23%	4.46%	3.78%	4.46%	6.05%
Working a week in an office building	9.09%	16.42%	31.47%	70.50%	1.30%	4.35%	7.32%	24.47%	1.30%	1.10%	1.30%	2.59%
Swimming in a public pool	10.08%	26.03%	44.23%	75.54%	2.88%	9.64%	16.21%	40.85%	2.88%	2.44%	2.88%	4.32%
Visiting an elderly relative or friend in their home	10.08%	26.03%	44.23%	75.54%	2.88%	9.64%	16.21%	40.85%	2.88%	2.44%	2.88%	4.32%
Moderate-High Risk: 7												
Going to a hair salon or barbershop	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
Eating in a restaurant (inside)	13.08%	23.13%	41.41%	64.66%	6.35%	12.63%	21.24%	35.71%	0.50%	0.83%	0.99%	0.99%
Attending a wedding or funeral	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
Traveling by plane	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
Playing basketball	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
Playing football	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
Hugging or shaking hands when greeting a friend	12.54%	30.51%	51.09%	75.42%	5.62%	14.31%	24.06%	48.26%	2.58%	2.39%	2.83%	3.65%
High Risk: 8												
Eating at a buffet	13.40%	32.62%	54.62%	80.63%	6.00%	15.30%	25.72%	51.59%	2.75%	2.56%	3.03%	3.91%
Working out at a gym	13.40%	32.62%	54.62%	80.63%	6.00%	15.30%	25.72%	51.59%	2.75%	2.56%	3.03%	3.91%
Going to an amusement park	13.40%	32.62%	54.62%	80.63%	6.00%	15.30%	25.72%	51.59%	2.75%	2.56%	3.03%	3.91%
Going to a movie theater	13.40%	32.62%	54.62%	80.63%	6.00%	15.30%	25.72%	51.59%	2.75%	2.56%	3.03%	3.91%
Very High Risk: 9												
Attending a large music concert	14.22%	34.60%	57.94%	85.52%	6.37%	16.22%	27.28%	54.72%	2.92%	2.71%	3.21%	4.14%
Going to a sports stadium	14.22%	34.60%	57.94%	85.52%	6.37%	16.22%	27.28%	54.72%	2.92%	2.71%	3.21%	4.14%
Attending a religious service with 500-plus worshippers	14.22%	34.60%	57.94%	85.52%	6.37%	16.22%	27.28%	54.72%	2.92%	2.71%	3.21%	4.14%
Going to a bar	14.22%	34.60%	57.94%	85.52%	6.37%	16.22%	27.28%	54.72%	2.92%	2.71%	3.21%	4.14%

United States of America



Ailluminare

Maine Iowa Indiana Alaska
Colorado Delaware Virginia
Illinois Minnesota Oklahoma Michigan Wyoming Arizona
Wisconsin Texas South Dakota Massachusetts Tennessee
Nevada New Mexico North Carolina Mississippi West Virginia
Georgia New York City Hawaii District of Columbia Connecticut
Kentucky Kansas Northern Marianas Islands American Samoa
Oregon New Hampshire Virgin Islands Maryland Pennsylvania Utah
California New Jersey South Carolina Washington Nebraska
Louisiana Puerto Rico North Dakota Alabama
Vermont Guam Arkansas Florida Rhode Island Ohio
Missouri New York Idaho Montana

California

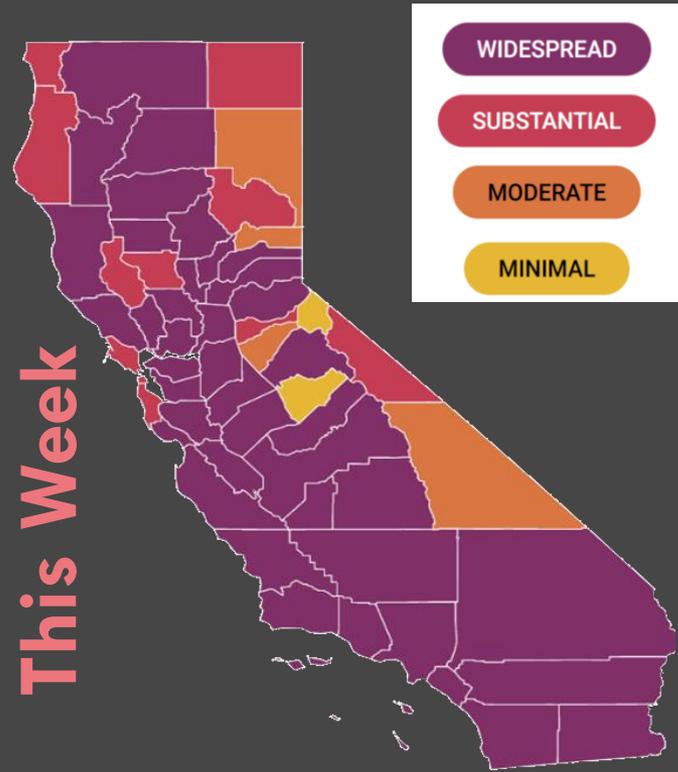
Positivity Rate: 4.2%

Positivity Rate: 5.2%

Last Week



This Week



<https://www.ailluminate.com>

Source: California Public Health

Powered by:



California – Risk Tiers (11-16-2020)

Tier 1 Widespread risk

Most nonessential indoor business operations are closed

What's open and closed

Aquariums Open outdoors only with modifications

Bars, brewpubs and distilleries (with no meals provided) Closed

Cardrooms Open outdoors only with modifications

Carwashes Open with modifications

Child care Open with modifications

Concert venues Closed

Day camps Open with modifications

Dine-in restaurants Open outdoors only with modifications

Family entertainment Open outdoors only with modifications for kart racing, mini-golf, batting cages

Food banks, gas stations and convenience stores Open with modifications

Gyms Open outdoors only with modifications

Hair salons and barbershops Open indoors with modifications

Higher education Closed for indoor lectures and student gatherings. Some courses conducted in certain indoor settings, like labs and studio arts, may be open

Hotels for tourism and individual travel Open with modifications

K-12 schools Closed for in-person instruction, but distance learning is allowed

- **Libraries** Open with modifications. Max 25% capacity
- **Movie theaters** Open outdoors only with modifications
- **Museums** Open outdoors only with modifications
- **Nail salons** Open indoors with modifications
- **Nonessential business offices** Work remotely
- **Pet groomers and landscapers** Open with modifications
- **Places of worship and cultural ceremonies** Open outdoors only with modifications
- **Professional sports without spectators** Open without live audiences with modifications
- **Racetracks without spectators** Open outdoors only with modifications
- **Retailers** Open with modifications. Max 25% capacity
- **Shopping malls** Open indoors with modifications. Max 25% capacity. Closed common areas, food courts
- **State and local government** Open with modifications
- **Takeout restaurants** Open with modification
- **Tattoo parlors** Open indoors with modifications
- **Theme parks** Closed
- **Wineries** Open outdoors with modifications
- **Zoos** Open outdoors only with modifications

Source: California Public Health

California - USA

Risk Factor for Every Activity



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

Counties - California



Ailluminare

Yolo Kings Kern
Inyo Colusa Modoc Fresno
Plumas Madera Sonoma Trinity Tulare Butte
Mono Alameda Siskiyou Contra Costa Tehama Glenn
Lassen Orange Imperial Santa Clara San Bernardino Nevada
San Diego Stanislaus Mariposa San Luis Obispo Los Angeles
Santa Barbara Mendocino Yuba Sacramento Calaveras Napa
Placer Tuolumne Santa Cruz Monterey Shasta
Lake Humboldt San Benito Alpine San Mateo
El Dorado Riverside Ventura Del Norte
Sutter Amador Sierra Solano Marin

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?

San Francisco – California - USA

Risk Factor for Every Activity



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
Low Risk: 1												
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%
Low Risk: 2												
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%
Low-Moderate Risk: 3												
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%
Low-Moderate Risk: 4												
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%
Moderate Risk: 5												
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%
Moderate Risk: 6												
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%
Moderate-High Risk: 7												
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%
High Risk: 8												
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%
Very High Risk: 9												
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%

Reduce Risk → Increase Confidence

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

Your Risk at any Time/Day for Every Activity



CR Score®

Best Time & Day for Every Activity

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%

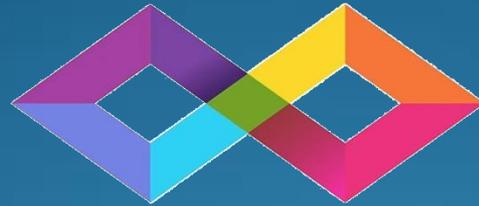
Low Risk Person/Low Risk Place

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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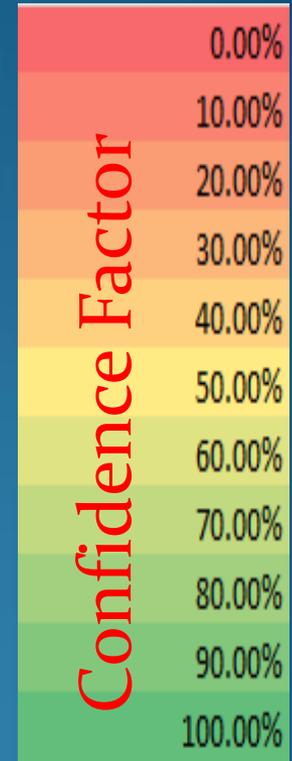
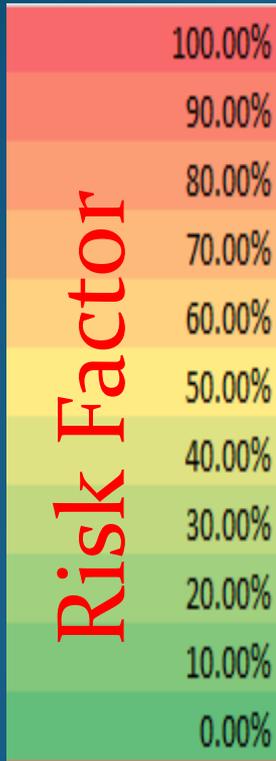
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Knowledge is Power!



Artificial Intelligence
Bio-Forecasting

Reduce Risk →
Gain Confidence



Modeling/Simulation COVID-19 Scenarios
Computational Fluid Dynamic Simulation

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.

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!

Knowledge is Power!

Comprehensive - Covid19 Report
Re-Open Society-Economy
November 2020



Download full report @

<https://www.ailluminatē.com>

We can open America safely!

Knowledge is Power!

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