## Zoom link

ZOOM link <a href="https://us02web.zoom.us/j/88274227563">https://us02web.zoom.us/j/88274227563</a>

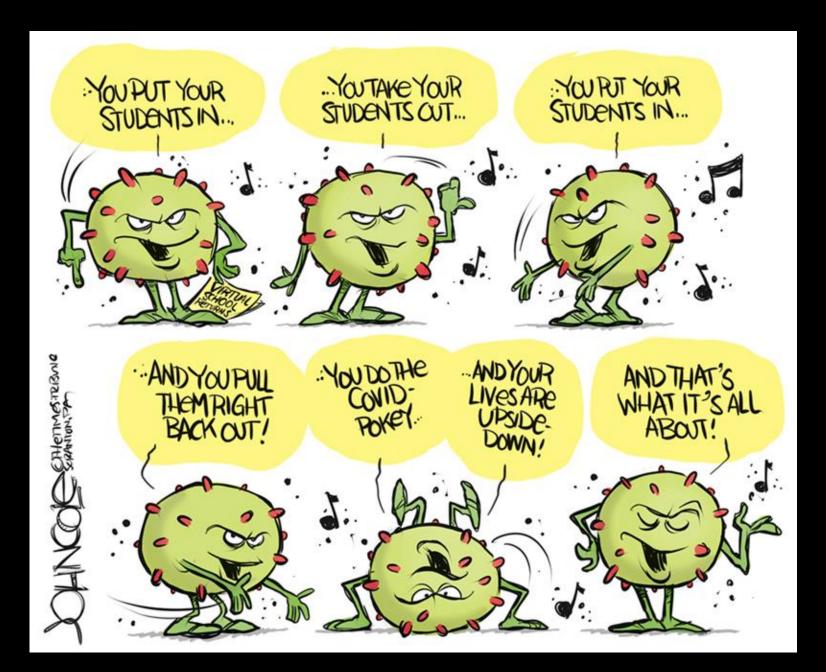
January 25, 2022



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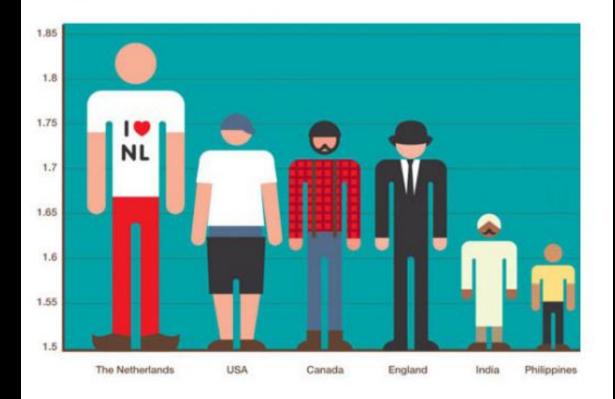
# **Stuart Mitchell**

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#### LOOKING DOWN ON THE REST OF THE WORLD

(Average male height in m)



**Sizing up.** Men in the Netherlands are 3x bigger than men in the Philippines. At least, that's what happens when you start your y-axis at 1.5. That said, the USA guy being overweight and the guy from Canada being a lumberjack were nice touches.

# NEWS FROM THE FUTURE: THE TRAUMA FROM COVID PANIC PORN WILL OUTLAST THE VIRUS ITSELF...





Parkinson's disease — a brain disorder that impacts ten million people has puzzled scientists worldwide. Currently, there is no cure. Now, a team of researchers from University of Bath in the U.K. has come one step closer by discovering a peptide that could solve the strange problem of "protein misfolding"— a leading suspect for the cause of the disease. The faulty protein is called alpha-synuclein ( $\alpha$ S). Everyone has the  $\alpha$ S protein in their brains, but the problem occurs when it clusters together and malfunctions, due to a problem called "protein misfolding." The protein clusters become chains that are toxic to human brain cells, causing them to die. With cell death, the signals between the brain and body are interrupted and confused, causing the distinct symptoms of Parkinson's disease: tremors and involuntary limb movements.

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Cases of "brain fog" among COVID patients are becoming more and more common, even among people recovering from mild infections. One recently released study focusing on a post-COVID clinic in New York found that a staggering 67% of 156 recovered COVID-19 patients experienced some form of brain fog.

Now, new UCSF research is finally providing some potential answers to why people have difficulty concentrating, thinking clearly, and completing easy daily tasks after battling COVID. Brain fog may result from how the virus alters a person's spinal fluid — just like other diseases which attack the brain.

Analyses performed on the cerebrospinal fluid samples showed higher-than-normal protein levels and the presence of some unexpected antibodies usually found in an activated immune system.



To those who still wear their mask below the nose, it's been almost a years now; it takes less time to potty train a toddler.



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# **Stuart Mitchell**

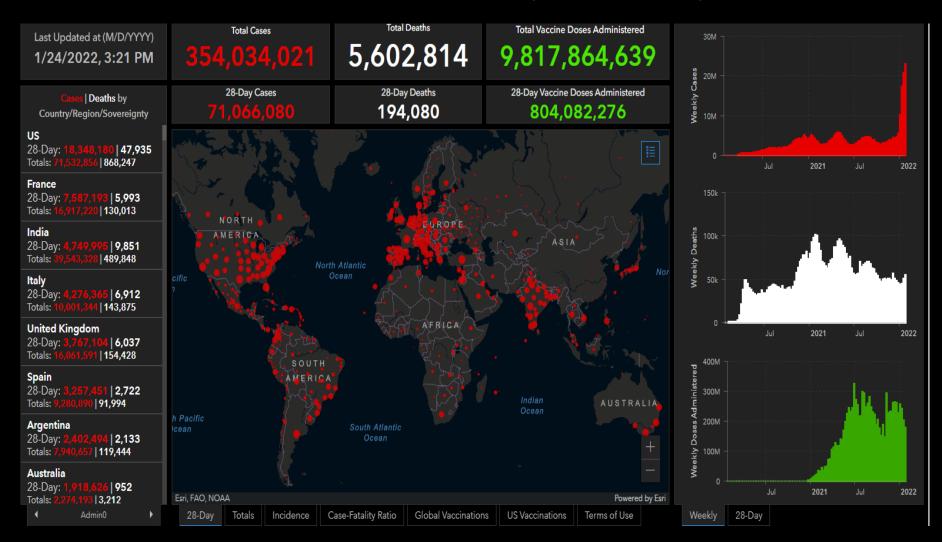
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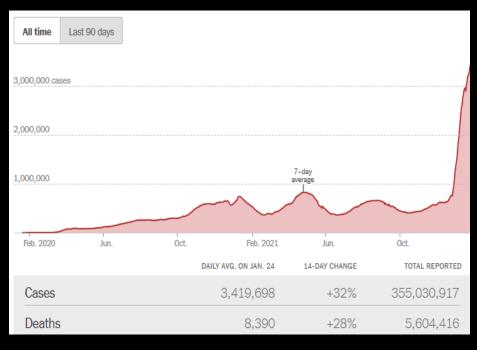


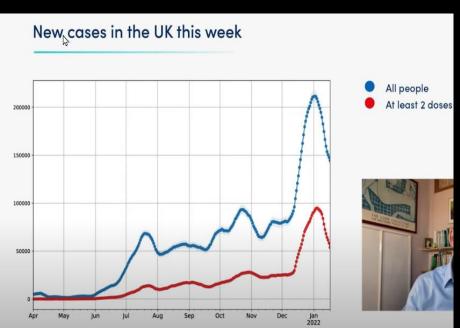
To my lovely and loving wife, Ruth

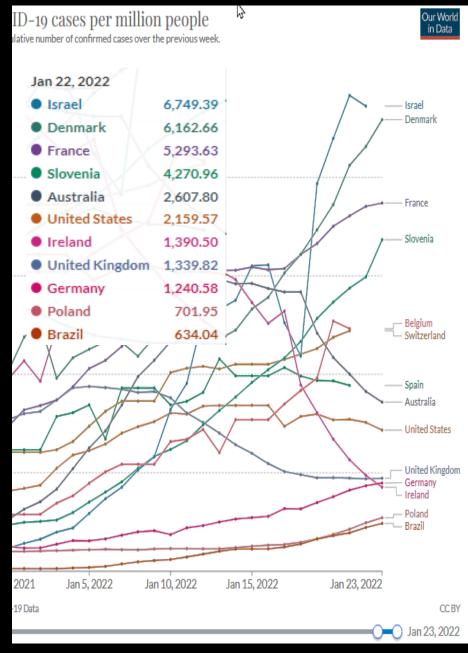
#### **IHME – 12.96M currently** 13.44M May 1

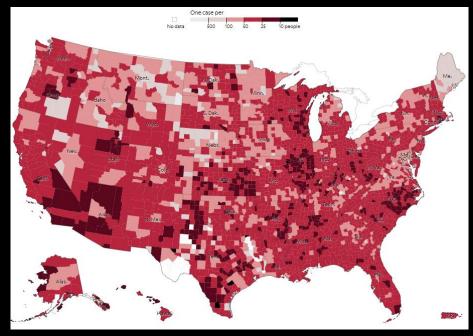


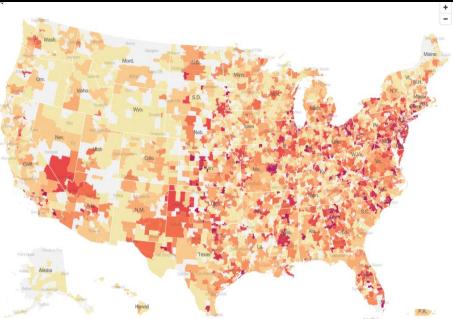
+7.3%/7.9%% confirmed cases in world v. US. Deaths 1.1% v. 2.0% deaths.







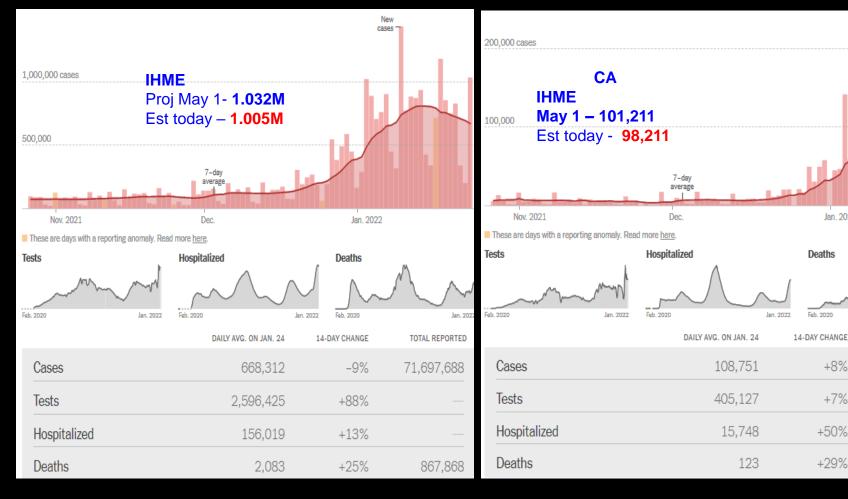




- 8 US confirmed cases of COVID-19 per second!!!!
- Oklahoma, four systems warned that EDs are at the breaking point
- Hard to say Omicron is mild--COVID-19 ebbs, but US hospital cases, deaths stay high

	CASES DAILY AVG.	PER 100,000	14-DAY ▼ CHANGE
United States	668,312	201	-9%
Guam >	613	364	+334% ~~
North Dakota >	2,214	291	+96%
Idaho >	2,252	126	+93% —
Kentucky >	14,928	334	+85%
Alaska >	2,229	305	+84%
New Mexico >	5,368	256	+80%
Arizona >	20,778	285	+68%
Montana >	1,521	142	+66%
Kansas >	10,625	365	+65% ~
Wyoming >	1,141	197	+64%

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Henry- **Sv 99/0.79**/25.7%/1.4/ 48.6% Thurston **Sv** 194/1.13/XXX.%/0.9/ **74.8**% Miami – SV - 241/XXX/ 24.4%/ 14.3/95%

California's **Sv** RØ is **1.02**, **278**cases/100K, positivity **21.7%**, **117 deaths/day – 86%** 

TOTAL REPORTED

7,902,003

79.003

+8%

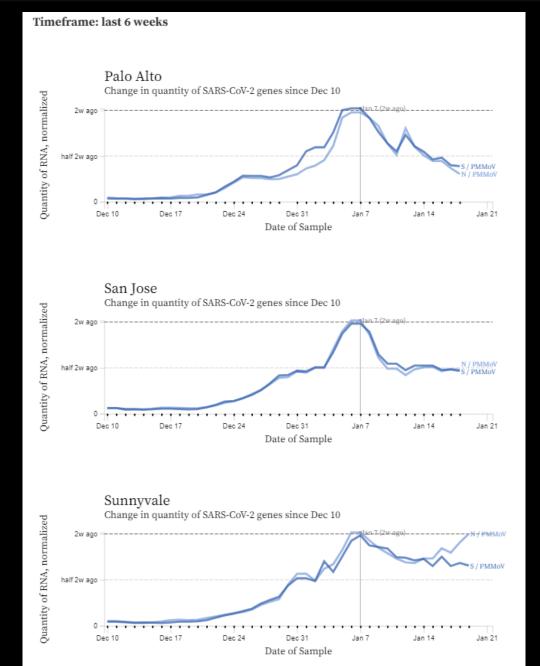
+50%

+29%

SCC - **Sv 249 cases**/100K, and RØ of **1.21**, **16.9%** positivity, **2.7** deaths/day – 89.3%

CA-10.7%/1.1% SCC - 13%/1.1%

```
#9.·Santa·Clara·County,·CA¶
                                              As of Jan. 18, 2022
-\cdot \text{New-cases-per-100k-in-the-past-week:-1,933-(37,261-new-cases,-+153\%--}
change·from·previous·week)←
--Cumulative·cases·per·100k:·11,337·(218,569·total·cases)←
—·32.8%·less·cases·per·100k·residents·than·California←
--Cumulative-deaths-per-100k:-102-(1,971-total-deaths)←
-.47.4%·less·deaths·per·100k·residents·than·California←
--Population·that·is·fully·vaccinated:·82.8%·(1,596,501·fully·vaccinated)←
--23.0%·higher·vaccination·rate·than·California¶
#1.·Los·Angeles·County,·CA1
-New-cases-per-100k-in-the-past-week:-2,850-(286,133-new-cases,-+102%-
change·from·previous·week)←
--Cumulative·cases·per·100k:·20,814·(2,089,532·total·cases)←
--23.3%·more·cases·per·100k·residents·than·California←
--Cumulative·deaths·per·100k:·275·(27,601·total·deaths)←
--41.8%·more·deaths·per·100k·residents·than·California←
--Population·that·is·fully·vaccinated:·70.0%·(7,026,080·fully·vaccinated)←
—·4.0%·higher·vaccination·rate·than·California¶
```



Nationally, no significant differences in case rates between men and women. But the death rates were often higher among men than women.

Just how much higher depended on the state and the date. In Texas, men died at a notably higher rate in every week the research group analyzed.

In New York, men died at a higher rate than women — although the gap was not quite as large as in Texas — during all but three weeks

But in Connecticut, women died more than men in 22 of the weeks analyzed.

Cumulatively over 55 weeks, mortality rates were slightly higher for women in two states, Rhode Island and Massachusetts. In nine states, including Connecticut, the rates were roughly equal. And in the rest of the country, death rates were higher for men.

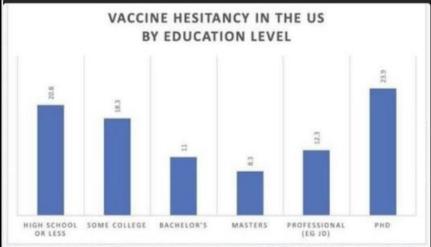
Total Vaccine Doses  Delivered 659,895,815	At Least One Dose	Least Fully One Vaccinat		Booster Doses		Boost Eligible	
Administered 534,608,709 <b>Learn more about the</b>	Fully Vaccinated*		Count		Percent of US Population		
distribution of vaccines.	Total	Total		210,358,008		63.4%	
210.4M	Population ≥ 5 Years of Age		210,347,722		67	.4%	
People fully vaccinated	Population ≥ 12 Years of Age		204,628,462		72	.2%	
83.9M People received a booster dose**	Population ≥ 18 Years of Age		190,704,821		73.8%		
	Population 65 Years o		48,324,895		88	.2%	

,	At Least & F One Vaco Dose	ully inated		ster ses	Boost Eligible	
	Fully Vaccinated*	Count	t		nt of Fully inated*	
	Total	83,924,	615	39	9.9%	
	Population ≥ 18 Years of Age	82,020,	282	۷	13%	
	Population ≥ 50 Years of Age	53,769,	798	54	4.4%	
	Population ≥ 65 Years of Age	30,446,	171	6	53%	

Fully vaxed increased about 0.4-0.8% in the last week, whereas the booster vax increased by about 2.5-3.4%.

UK data shows that a booster lasts about 6 months wrt infection, but much longer wrt severe disease.

#### Inte: PhD column should probably be 15.6% (not 23.9%).



The percentage of each education group that is somewhat vaccine hesitant. Source: Carnegie Mellon University

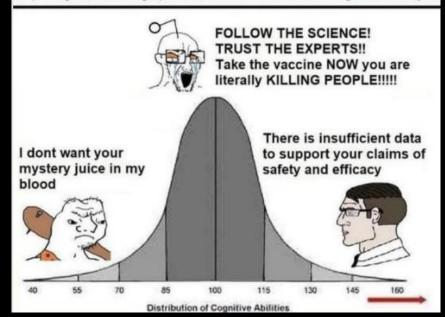


Table 1. COVID-19 vaccine l⊕sitancy in May 2021 by demographics among US adults (N=525,644)

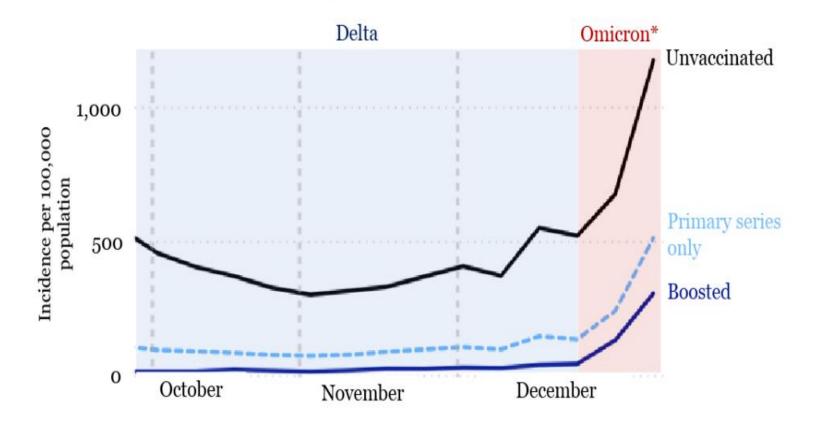
	Sample		COVID-19 vaccine hesitant			
2	n	%	% (95% CI)	RR (95% CI) <sup>b</sup>	Adj. RR (95% CI)	
Education level						
≤ High school	91859	17.5	20.3 (20.0, 20.7)	1.89 (1.84, 1.94)	1.58 (1.54, 1.62)	
Some college	166070	31.6	17.9 (17.7, 18.2)	1.67 (1.62, 1.71)	1.38 (1.35, 1.41	
4 year college	110440	21.0	10.8 (10.5, 11.0)	1.0 (NA)	1.0 (NA)	
Master's	62503	11.9	7.8 (7.6, 8.1)	0.73 (0.70, 0.76)	0.88 (0.85, 0.91	
Professional (e.g., MD, JD)	14733	2.8	11.1 (10.4, 11.8)	1.03 (0.96, 1.10)	1.08 (1.02, 1.14	
Doctorate	9975	1.9	14.6 (13.5, 15.6)	1.35 (1.25, 1.45)	1.20 (1.14, 1.26	
Missing	70064	13.3	23.7 (23.3, 24.1)	2.20 (2.14, 2.27)	1.19 (1.10, 1.27	

Ta 2e 3. Reasons for not getting the COVID-19 vaccine in May, 2021, by vaccine intent level among US adults (N=87,984)<sup>a</sup>

	Likelihood of accepting the COVID-19 vaccine if offered it today					
	Hesitant (Definitely/ probably not)	Definitely not	Probably not	Probably yes		
	N = 73362	N = 46576	N = 26786	N = 14622		
		% (95	5% CI)			
Concerned about possible side effects	49.2 (48.7, 49.7)	49.1 (48.5, 49.7)	49.4 (48.6, 50.1)	49.4 (48.4, 50.4)		
Don't trust COVID-19 vaccines	48.4 (48.0, 48.9)	59.2 (58.6, 59.8)	29.3 (28.6, 30.0)	13.0 (12.3, 13.8)		
Don't trust the government	41.5 (41.1, 42.0)	51.2 (50.6, 51.7)	24.4 (23.7, 25.1)	14.0 (13.2, 14.8)		
Don't believe I need it	38.1 (37.7, 38.6)	46.7 (46.1, 47.3)	22.9 (22.2, 23.5)	7.5 (6.9, 8.1)		
Plan to wait and to see if safe	34.4 (33.9, 34.8)	24.3 (23.8, 24.8)	52.3 (51.5, 53.1)	46.9 (45.9, 48.0)		
Concerned about an allergic reaction	23.9 (23.5, 24.3)	23.0 (22.5, 23.5)	25.6 (25.0, 26.3)	28.5 (27.5, 29.4)		
Don't know if it will work	21.9 (21.5, 22.2)	23.3 (22.8, 23.8)	19.3 (18.7, 19.9)	17.0 (16.2, 17.8)		
Don't like vaccines	14.7 (14.4, 15.1)	17.6 (17.1, 18.0)	9.6 (9.2, 10.1)	7.6 (7.0, 8.2)		
Other people need it more	12.6 (12.3, 13.0)	9.1 (8.7, 9.5)	18.9 (18.3, 19.6)	25.1 (24.1, 26.0)		
Safety concern because of my health condition	12.2 (11.9, 12.4)	11.6 (11.2, 11.9)	13.2 (12.7, 13.6)	13.4 (12.7, 14.0)		
Doctor has not recommended	9.3 (9.0, 9.6)	10.1 (9.7, 10.4)	8.0 (7.6, 8.4)	6.8 (6.3, 7.3)		
Against religious beliefs	8.2 (7.9, 8.5)	11.2 (10.8, 11.6)	2.9 (2.7, 3.2)	1.2 (0.9, 1.4)		
Currently/planning to be pregnant/breastfeeding	6.7 (6.4, 6.9)	6.5 (6.2, 6.8)	6.9 (6.5, 7.3)	4.8 (4.4, 5.2)		
Concerned about cost	3.2 (3.0, 3.4)	3.2 (2.9, 3.5)	3.3 (3.0, 3.6)	7.9 (7.3, 8.6)		
Other	16.2 (15.8, 16.5)	18.6 (18.2, 19.1)	11.9 (11.4, 12.3)	11.7 (11.1, 12.4)		

<sup>&</sup>lt;sup>a</sup> Excludes adults who already were vaccinated or reported "definitely yes" to intent question.

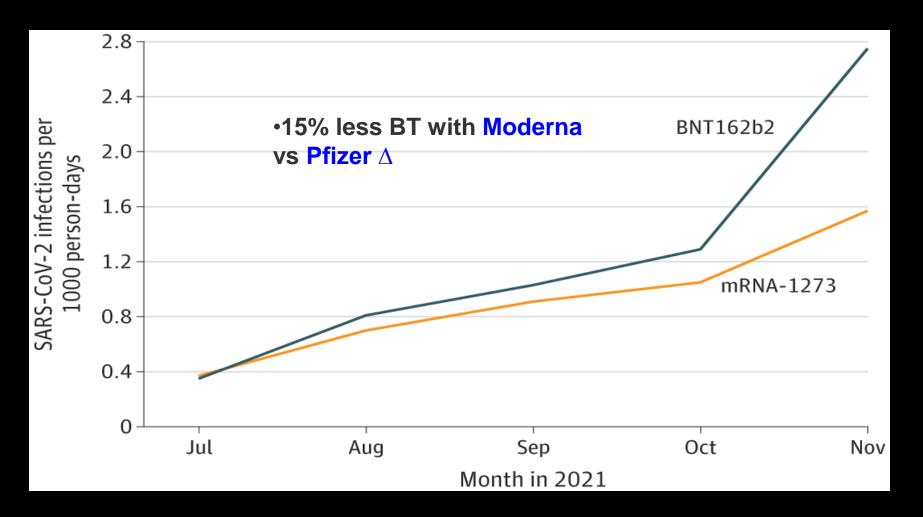
### Rates of COVID-19 Cases by Vaccination Status and Booster Doses



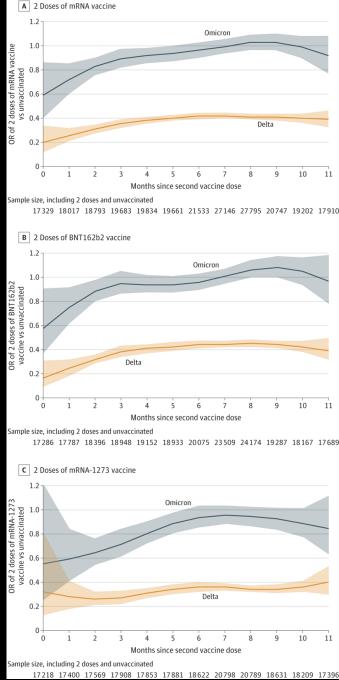




\*On December 1, 2021, the first case of COVID-19 attributed to the Omicron variant was reported in the United States. Source: CDC COVID Data Tracker -Rates of COVID-19 Cases and Deaths by Vaccination Status



The mRNA-1273 cohort comprised fully vaccinated individuals receiving 2 doses of mRNA-1273 vaccine anytime between December 2020 and November 2021 but who had no booster shot and no prior SARS-CoV-2 infection. The BNT162b2 cohort was similar to the mRNA-1273 cohort but comprised individuals receiving BNT162b2 vaccine.



Odds Ratios for the Association of 2 Doses of mRNA Vaccine by Months Since Second Dose and Symptomatic SARS-CoV-2 Infection Caused by the Omicron or Delta Variants Among Adults 18 Years or Older Tested in the Increasing Community Access to Testing Platform, December 10, 2021, to January 1, 2022.

Shaded regions indicate 95% Cis.

#### Do you do a 2<sup>nd</sup> Booster/4<sup>th</sup> shot??

- •Israel's Health Ministry said that a fourth dose of COVID-19 vaccine given to people over 60 in the country made them three times more resistant to serious illness than thrice-vaccinated people in the same age group.
- •The ministry also said the fourth dose, or second booster, made people over 60 twice as resistant to infection than those in the age group who received three shots of the vaccine.
- •Israeli study found out that the fourth shot increases antibodies to higher levels than the third but it is **not enough to prevent Omicron infections.**



#### Covid-19 Case Rates by Vaccination Status

Sarta Clara Courty
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HEAL H

Last updated on January 21, 2022

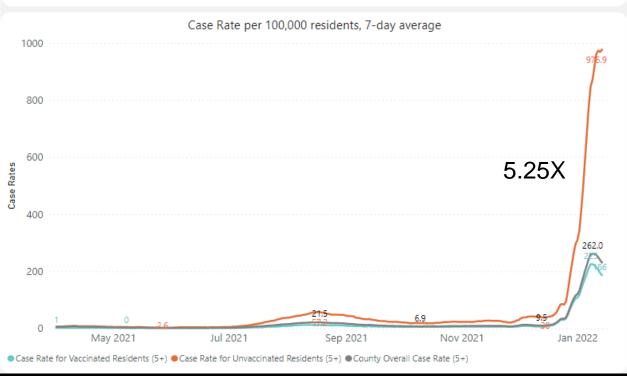


County Overall Case Rate (Ages 5+) Fully Vaccinated Case Rate (Ages 5+)

976.9

230.6

186.0





#### Variants of Concern

Variants of concern are likely to have one or more of the following features:

- More contagious
- Likely to cause more severe symptoms
- · Resistant to treatment
- · More resistant to vaccines

Variant	Known differences			
Delta	200% increased transmission compared to other variants     Reduced antibody treatment effectiveness			
Omicron	The California Department of Public Health is working with the CDC to gather up-to-date information about the Omicron variant.			
	At least 2 to 4 times more transmissible than the Delta variant			
	<ul> <li>Reduced effectiveness of certain antibody treatments</li> </ul>			

#### Updated Jan 18

Known Variants of Concern in Santa Clara County

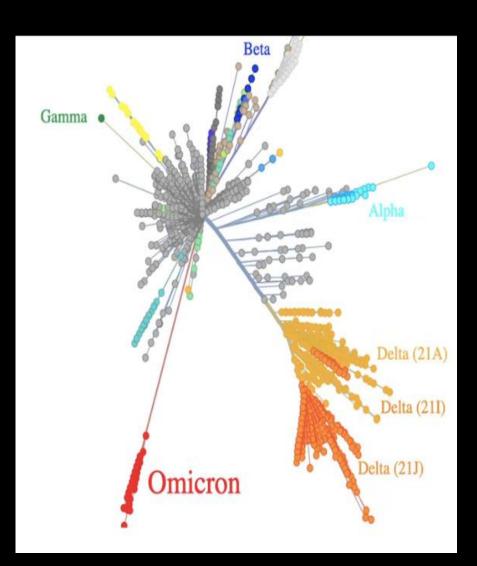
Variant	WHO Label	Number of Cases by Variant		
B.1.617.2*	Delta	14,355 1.8%		
B.1.1.529	Omicron	1,981 104%		

#### United States: 1/9/2022 - 1/15/2022 NOWCAST

\*\*

	USA							
WHO label	Lineage #	US Class	%Total	95%PI				
Omicron	B.1.1.529	voc	99.5%	99.3-99.7%				
Delta	B.1.617.2	VOC	0.5%	0.3-0.7%				
Other	Other*		0.0%	0.0-0.0%				

Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.



These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates

AY.1-AY.127 and their sublineages are aggregated with B.1.617.2. BA.1, BA.2 and BA.3 are aggregated with B.1.1.529.

B.1.1.529

#### USA WHO label Lineage #

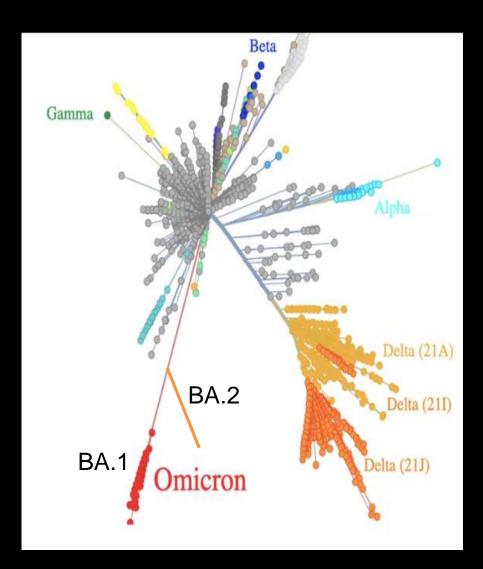
US Class %Total 95%PI

Omicron B.1.1.529 99.5% 99.3-99.7%

B.1.617.2 Delta VOC 0.5% 0.3-0.7%

0.0% Other Other\* 0.0-0.0%

AY.1-AY.127 and their sublineages are aggregated with B.1.617.2. BA.1, BA.2 and BA.3 are aggregated with B.1.1.529.



Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.

These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates

This is the percentage of people that are contagious at certain points of time in isolation, according to the UKHSA data

5 days since symptoms begin/positive test: 31%

Plus two negative rapid tests on consecutive days: 7%

7 days since symptoms begin/positive test: 16%

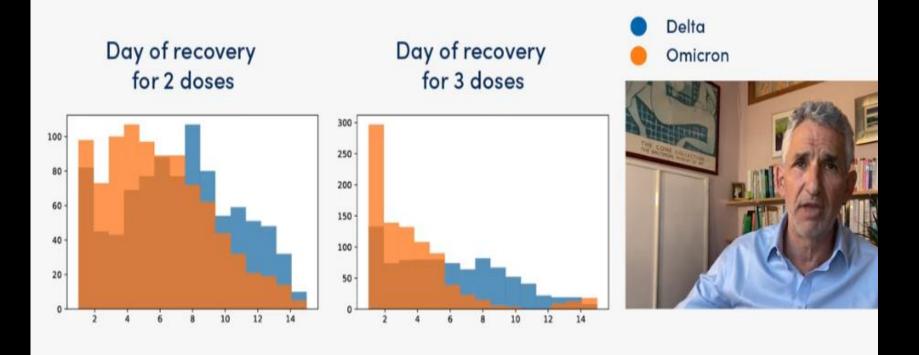
Plus one negative rapid test: 9%

Plus two test negative rapid tests on consecutive days: 6%

10 days since symptoms begin/positive test: 5%

14 days since symptoms begin/positive test: 1%

#### Days to recover after COVID-19 infection



January 25, 2022



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# **Stuart Mitchell**

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## **Upcoming B2DG Events**

- Feb. 1 Raja Sundaram CEO, Plethy-Musculoskeletal Care,
   Remote patient monitoring for acute care and the role of IoT and IoB in patient engagement.
- Feb. 8 Shagun Bindlish MD, FACP, Diabetologist, Diabetes and Obesity: Integrating technology into management
- Feb. 15 Phac Le Tuan President, PaceWorks, Mental Longevity Through Breath
- Feb. 22 Elsa Rolo Ventus Therapeutics, Team Building in Today's Business Culture

# Life Sciences Info Videos/Items

- Eric Topol, Scripps Research
   UCSF Grand Rounds, <a href="https://youtu.be/ICAvFHd3B38">https://youtu.be/ICAvFHd3B38</a>
- Osterholm- Ep 87 Hope is not a strategy https://youtu.be/W9AoKBcUBY8
- John Campbell- FOI UK- COVID deaths <a href="https://youtu.be/9UHvwWWcjYw">https://youtu.be/9UHvwWWcjYw</a>
- John Campbell- Viral Load, vaccine effectiveness, Omicron Branch <a href="https://youtu.be/4RSahdFuemE">https://youtu.be/4RSahdFuemE</a>
- BTW Early Registration for 2022 Bay Area Biomedical Device Conference is now open until March 18th, 2022 at 11:59pm.

### **BioNews – OMICRON**

- During the <u>Delta</u> period, vaccine effectiveness against hospitalization from Covid-19 was 90% from two weeks until about 6 months after dose two, 81% from at least six months after dose two and 94% at least two weeks after a booster dose. When Omicron was dominant, vaccine effectiveness against hospitalization for the same periods were 81%, 57% and 90%, respectively.
  - FDA approved Gilead Sciences' antiviral drug remdesivir for people with mild-to-moderate Covid-19 symptoms who are at high risk of developing severe cases. 0.7% vs. 5.3% for placebo. FDA expands nod to patients outside the hospital as oral version of Veklury heads to trial.
- FDA is planning to restrict the COVID-19 monoclonal antibody therapies developed by Regeneron and Eli Lilly citing their lack of efficacy against the Omicron variant.
- Pfizer and BioNTech launch trial for Omicron-specific COVID-19 shot.

### **BioNews – OMICRON**

- Researchers looked at skin biopsies in people with long COVID and found small fiber neuropathy. These nerves regulate the body's sensory perceptions throughout the body. Unlike people who had severe COVID-19 and were hospitalized and on ventilators, people with long COVID don't have damaged lungs or damaged hearts. Instead, the people who have long COVID might not have anything wrong with their lungs or heart, but the autonomic nervous system thinks they do. It's like the body is still sending signals that it's experiencing the virus and needs to react, triggering rapid heart rate and shortness of breath. Maybe 4% will have LC
- Paxlovid if you are taking heart rhythm drugs, statins, calcium channel blockers, blood thinners, there may be significant drug—drug interactions. SO be sure to talk with your physician or cardiologist before and during your regime with Paxlovid. They may alter your dosage, timing or other aspects while you are taking Paxlovid.

### **BioNews - International**

- As of Feb. 2, France plans to lift requirements, including the obligation to wear masks in the street and for most office workers to work from home at least three days a week. In mid-February, nightclubs will be able to reopen and people will be allowed to drink and eat on public transportation— even though cases are still rising in France.
- UK removed its recommendation to work from home if possible and no longer requires face masks in shops and classrooms. Proof of vaccination or a negative Covid-19 test will no longer be needed from next week to enter nightclubs and other large venues in England.
   Mask mandates in public places and COVID-19 passports will be dropped for large events.
- Austria moved closer to introducing a compulsory vaccination order after parliament's lower house voted in favor the new proposals.

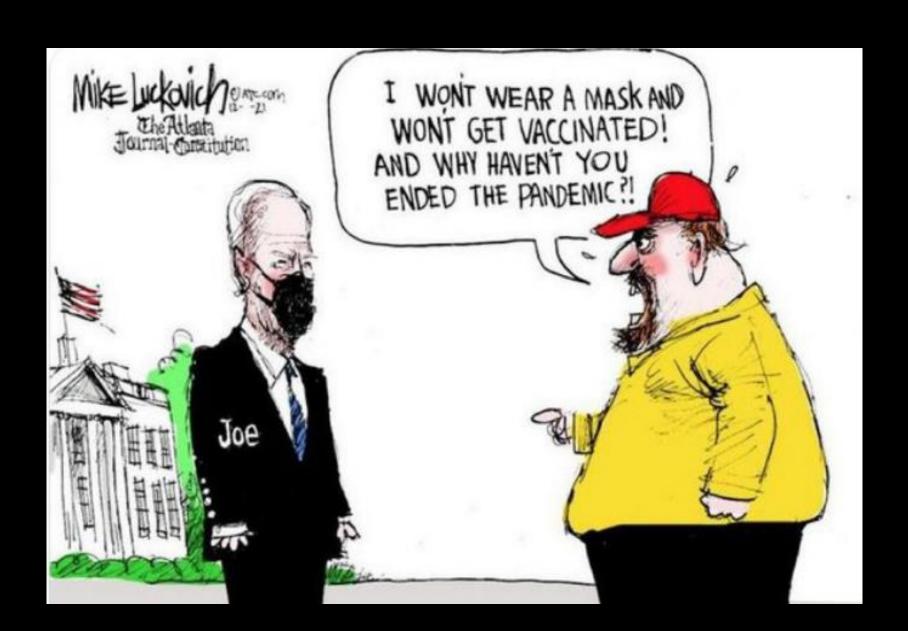
## **BioNews - International**

- In Greece, unvaccinated people 60 and up face monthly fines.
- No amount of alcohol is good for the heart. World Heart Federation is challenging the widespread notion that drinking moderate amounts of alcohol can decrease the risk of heart disease, and calling for urgent and decisive action to tackle the unprecedented rise in alcohol-related death and disability worldwide.
- Heavy smog blankets Beijing ahead of Olympics as authorities pledge to clean up the air.
- Beijing Olympics organizers and Chinese authorities lowered the threshold for producing a negative COVID-19 test for participants arriving to participate in the Winter Games from C<sub>t</sub> of 40 to 35.
- China ramped up its coronavirus testing after linking at least two omicron cases at opposite ends of the country to international parcels.
- CIA concluded that most HS cases have environmental or medical causes, but remains focused on investigating two dozen incidents that remain unexplained.

## **BioNews – Coronavirus News**



- HHS extended COVID-19 public health emergency for the 8th time- 90 days
- An Indiana lawmaker proposed a bill that would open the door for the use of ivermectin to prevent and treat cases of COVID-19.
- Judge blocks Biden COVID-19 vaccine mandate for federal workers.
- AZ sues US to block clawback of funds over school mask-wearing.
- New VA GOP governor- Seven Virginia school boards sue to stop Gov. order banning mask mandates as bitter culture clash deepens.
- Florida health official placed on leave after encouraging employees to get vaccinated.
- **CDC** backlog of 142 applications from manufacturers of N95 masks.
- Federal documents allege that Center for Covid Control with 300 popup locations nationwide and its associated lab lacked adequate refrigeration and failed to put patients' names on specimens or report test results to state officials.



#### **BioNews – Coronavirus News**

- The federal COVID-19 vaccine mandate for healthcare workers can
  officially go into effect nationwide after a judge tossed out a challenge to
  the mandate from Texas.
- USPS started shipping free COVID tests, 4/household.
- Pfizer CEO says an annual COVID-19 vaccine preferable to boosters.
- Northwestern and the MD Anderson Cancer Center scientists showed that some naturally occurring tiny vesicles isolated from COVID-19 patients could fight off an infection from various subtypes of coronaviruses. They identified tiny cell-released lipid particles that expressed an ACE2 protein from COVID-19 patients' blood. These circulating extracellular vesicles that express ACE2 (evACE2) blocked infections from different coronavirus variants in lab dishes. Delivered via the nose, the nanoparticles also protected mice from COVID-19.
- Investigators observed that infection rates were disproportionately higher in Black and Hispanic children <5 for both Omicron and Delta.</li>

### **BioNews – Coronavirus News**

- Yale researchers developed a wearable device able to detect low levels of the COVID-19 virus in the air around a person. 62/5/4
- A cohort study of more than 2,000 US and Canadian women indicates that COVID-19 vaccination does not impair fertility—but men who become infected with SARS-CoV-2 may experience short-term reduced fertility.
- Fauci says FDA could authorize Pfizer's covid vaccine for kids under 5 in the next month.
- Americans who received their primary series of vaccines and previously contracted Covid-19 had the highest protection against reinfection and hospitalization during the Delta variant.
- Researchers developed a blood test that could help predict a critically ill COVID-19 patient's odds of survival. The test had a 96% accuracy at predicting which patients would survive.



#### **BioNews**

- Cash payments for poor mothers increased brain function in babies with potential implications for U.S. safety net policy.
- Exact Sciences posts early positive data from its next-generation Cologuard home screening test.
- Alabama doctors successfully transplanted pig kidneys into the body of a brain-dead man, which could potentially pave the way for clinical trials in living patients. 77 hours
- Researchers estimate that more than 1.2 million people died from antimicrobial resistant superbugs in 2019.
- US flu levels drop slightly for second consecutive week.
- FDA urges doctors to prioritize blood draws as collection tube supplies dwindle.
- In 2 meta-analyses of cohort studies, an ≈ 1.5X increase in the risk of breast cancer and an ≈ 1.5-2.5X increase in the risk of cervical cancer with the use of combined hormonal oral contraception.

### **BioNews – Local**

- CA is experiencing its most severe blood shortage in a decade.
- At CA hospitals, many children are coming in with COVID not for COVID. Young children, those <5, have been newly hospitalized with COVID-19 at higher rates than at any point in the pandemic.
- CA teens could soon get vaccinated without parental permission.
- Xcellbio announced \$27.5 Million Series B Financing.
- ReviR Therapeutics raised ~\$20M in Pre-A Financing.
- Engitix Therapeutics raised \$54 million in Series A.
- 64x Bio raised \$55 Million Series A Financing.

# **BioNews – Jobs/Finance/Legal**

- Gilead alleges \$250 million of counterfeit HIV Drugs were sold over 2 years.
- States ask for more guidance from HHS on when COVID-19 emergency will end.
- IBM sold the healthcare data and analytics assets from its Watson Health business to investment firm Francisco Partners.
- Mark Cuban's online pharmacy is now open with low-cost prescription drugs.
- Martin Shkreli banned for life from drug industry in Pharmaceutical Monopoly Case and must pay \$64.6 M fine.

#### **B2DG Job Board**

- Outset Medical- SVP Sales, Sr Staff ME, Staff Component EE,
   Senior Business Systems Analyst Supply Chain
- Brian Testa ICAD/XOFT -
  - Senior Manufacturing & Equipment Technician
- Calyxo --Supply Chain Manager, Senior Quality Engineer,
   Manufacturing Assembler
- Ionpath Multiple Engineering opportunities ME, EE

# Job Postings B2DG Darshana Nadkarni

More details & other opportunities posted at www.darshanavnadkarni.wordpress.com

- Senior Mechanical Engineer
- Senior Manufacturing Engineer
- Assembler
- Reliability Engineer
- Equipment Engineer
- Quality Inspector
- Formulations Scientist
- CMC Analytical Development Manager
- Director of Clinical Operations

# B2DG LinkedIn - Chozen, Inc.

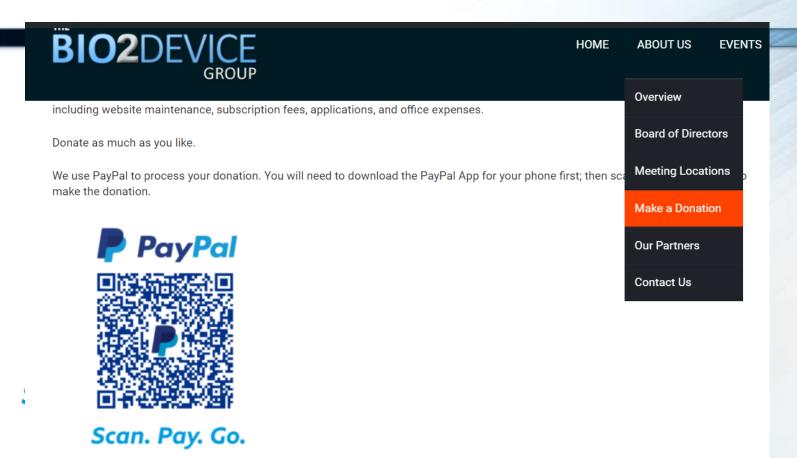
- R&D, MANUFACTURING ENGINEERING, OPERATIONS
  - Principal R&D Engr. SF BAY Area
  - Sr. R&D Engr. Irvine
  - Materials Manager REMOTE (prefer SF)
  - Human Factors Engineer (several roles, open on level) SF Bay Area South Bay
  - Sr. Manufacturing Engineer Reno, NV
  - Staff/Principal R&D Design Engineer San Diego Area
  - Director Clinical Operations SF Bay Area East Bay
  - Clinical Engineer SF Bay Area South Bay
- REGULATORY, QUALITY & CLINICAL
  - Regulatory Affairs Manager SF Bay Area East Bay
- FINANCE, TECH, SALES
  - Digital Marketing Associate REMOTE/HYBRID SF Bay Area South Bay
  - Editing Associate (Technical Writer) REMOTE/HYBRID
  - Accounting Associate REMOTE/HYBRID
- Cindy Johnson-cjohnson@chozeninc.com 925-577-8135

#### **B2DG** Website

If you are new and interested in joining the Bio2Device Group, please contact us at

contact@bio2devicegroup.org

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# **Today's Presentation**

Surgical Instruments that Harm Everyone in the OR: How Do We Make Surgeries Safer?

# **Stuart Mitchell**

Founder & CEO Novuson Surgical FIGURE. Weekly trends in age-standardized incidence of COVID-19 cases (April 4-December 25, 2021) and deaths (April 4-December 4, 2021) for unvaccinated compared with fully vaccinated persons,\* overall and by receipt of booster doses<sup>†</sup> and national weighted estimates of variant proportions<sup>§</sup> — 25 U.S. jurisdictions<sup>¶</sup>

