

Covid-19

Status and Decisions to be Made

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Overview of Covid Discussion Topics

Open for discussion as we take each topic in turn

- Covid Infection and Death Rates
- Tradeoff between the economy and education vs social distancing and quarantine health restrictions
- Challenge of testing and contact tracing
- Vaccine timetable
- After It's Over – Lasting Effects

Covid Infection and Death Rates

World Health Organization, August 14, 2020

#	Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/1M pop	Deaths/1M pop	Total Tests	Tests/1M pop	Population
	World	21,128,670	+70,522	758,391	+1,672	13,980,476	6,389,803	64,559	2,711	97.3			
1	USA	5,418,071	+2,405	170,446	+31	2,844,262	2,403,363	17,239	16,357	515	68,545,376	206,939	331,235,184
2	Brazil	3,229,621		105,564		2,356,640	767,417	8,318	15,181	496	13,464,336	63,290	212,739,546
3	India	2,483,567	+23,954	48,367	+223	1,770,682	664,518	8,944	1,798	35	27,694,416	20,045	1,381,604,279
4	Russia	912,823	+5,065	15,498	+114	722,964	174,361	2,300	6,255	106	31,903,055	218,601	145,942,116
5	South Africa	572,865		11,270		437,617	123,978	539	9,645	190	3,315,497	55,820	59,395,867
6	Peru	507,996		25,648		348,006	134,342	1,525	15,382	777	2,677,014	81,060	33,025,106
7	Mexico	505,751	+7,371	55,293	+627	341,507	108,951	3,675	3,918	428	1,142,045	8,847	129,092,051
8	Colombia	433,805		14,145		250,494	169,166	1,493	8,515	278	2,063,332	40,500	50,946,629
9	Chile	380,034		10,299		353,131	16,604	1,259	19,860	538	1,932,592	100,994	19,135,648
10	Spain	355,856		28,605		N/A	N/A	617	7,611	612	7,472,031	159,806	46,756,994

Resurgence Possible – Spain and US Nursing Homes as Recent Examples

- Spain is leading Europe in the latest rise of new coronavirus infections. Daily confirmed Covid-19 cases, seven-day rolling average: Peaked at 8,000 per day in April, dipped to 1,000 in July, recently resurged to 6,000

Wall Street Journal, August 24, 2020

- US Nursing Home Deaths have resurged: Weekly deaths, rose to 1,706 the week of July 26, an increase of nearly 25% from a low point the week starting July 5 and a record.

Associated Press, August 17, 2020

Tradeoff between economy and social distancing/quarantine health restrictions

- Unemployment rates and issues of income replacement
- Business failure rates could climb (how much?), commercial and residential property, etc.
- Could see high levels of evictions, mortgage defaults, homelessness and hunger
- Only the Federal Government can print money; contraction of state and local budgets
- Especially hard-hit: hospitality and travel, small business
- K-12 schools, colleges and universities. Issue of child care and nutrition that has been provided at school
- Wearing masks has become ideological in America, accepted elsewhere
- May need to tighten after loosening if infection rates spike. Examples: Australia, NZ, California, Florida

Challenge of Testing and Contact Tracing

- Lag between testing and results varies. If it is several days, there is risk of asymptomatic spread of virus
- Contact tracing is very challenging

Especially in a free society (compared to China and other countries where citizens are accustomed to monitoring and control)

It's also easier if you have few cases (South Korea, New Zealand and Australia compared to the US)

Vaccine Timetable

- Vaccines under development
- Challenge of final approvals – Fauci estimates this could be as early as end/2020 or beginning of 2021 but that's on fast track
- Manufacture – demand could be in hundreds of millions/or billions
- Resistance to vaccination could delay public immunity
- Vaccine roll-out and priorities?
 - Health Care Workers
 - Elderly/Nursing Homes
 - Immune Compromised
 - Other Priority job categories such as police/fire, teachers, food industry

After It's Over – Lasting Effects

- Some industries/business categories will be very slow to recover
 - Airlines – 2024?
 - Restaurants – Many closings and churn
 - Hotel/Resort/Conventions – How long until return to 2019 levels?
- Inflection point for service delivery and business practices
 - Colleges and Universities – Remote learning won't go away; pressure on tuition and fees, redefinition of the college experience
 - Office space redesign and remote work from home
 - Shopping, malls, etc.
- Advances in medicine and health care
- Residual fear that alters daily behavior – resulting in better preparation for next time?