

COVID-19 Fireside Chat

virus: SARS CoV-2; disease: COVID-19

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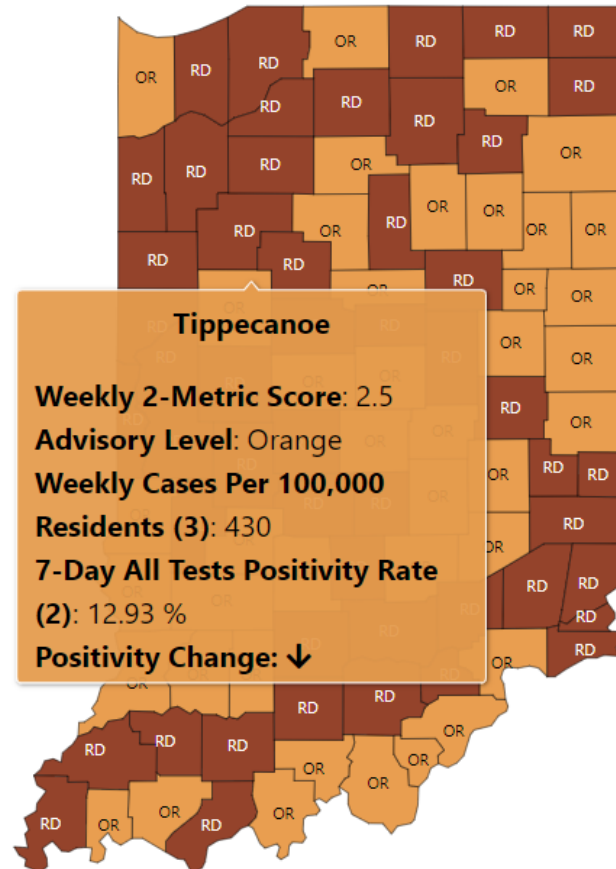
Purdue School of Nursing Professor Emerita

American Public Health Association Past President

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Current Status (reporting slowed during holidays)

- Indiana (12.28.2020)



- Johns Hopkins

Global Confirmed
84,177,874

Global Deaths
1,830,612

U.S. Confirmed
20,157,108

U.S. Deaths
348,110



DATA IN MOTION

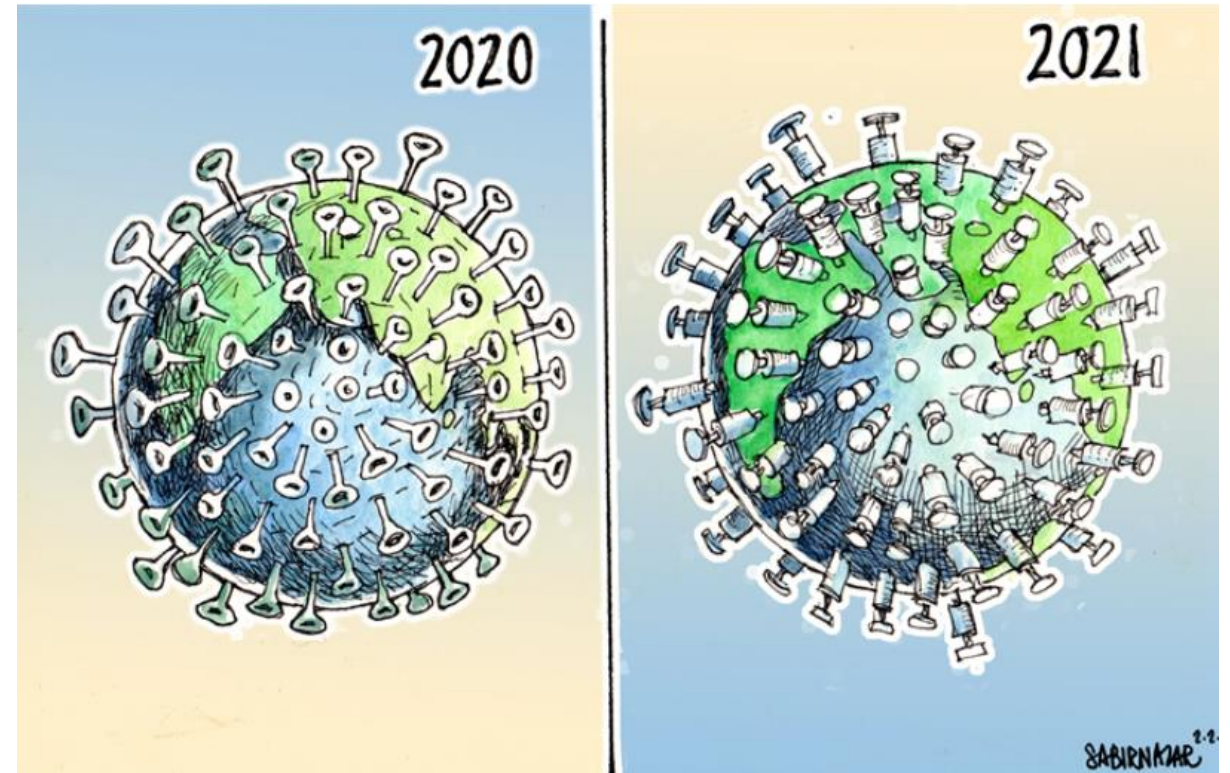
COVID-19 Data in Motion: Saturday, January 2, 2021

Vaccines are Here

PLANT caglecartoons.com



Now the Wait



Vaccines

Approved: mRNA vaccines

- Pfizer/BioNTech (2 doses)
- Moderna (2 doses)
- Technology under investigation pre-COVID
- How do they work? “Email” sent to immune system to take action

Others in Works ... different platforms (prior technology)

Why so fast?

Parallel versus sequential steps; government investment (>\$9B); shared science



Challenges

- **Priorities**

- National recommendations; state actions
- Priority groupings
 - How reach
 - Who specifically in each group

- **Distribution/Handling (logistics)**

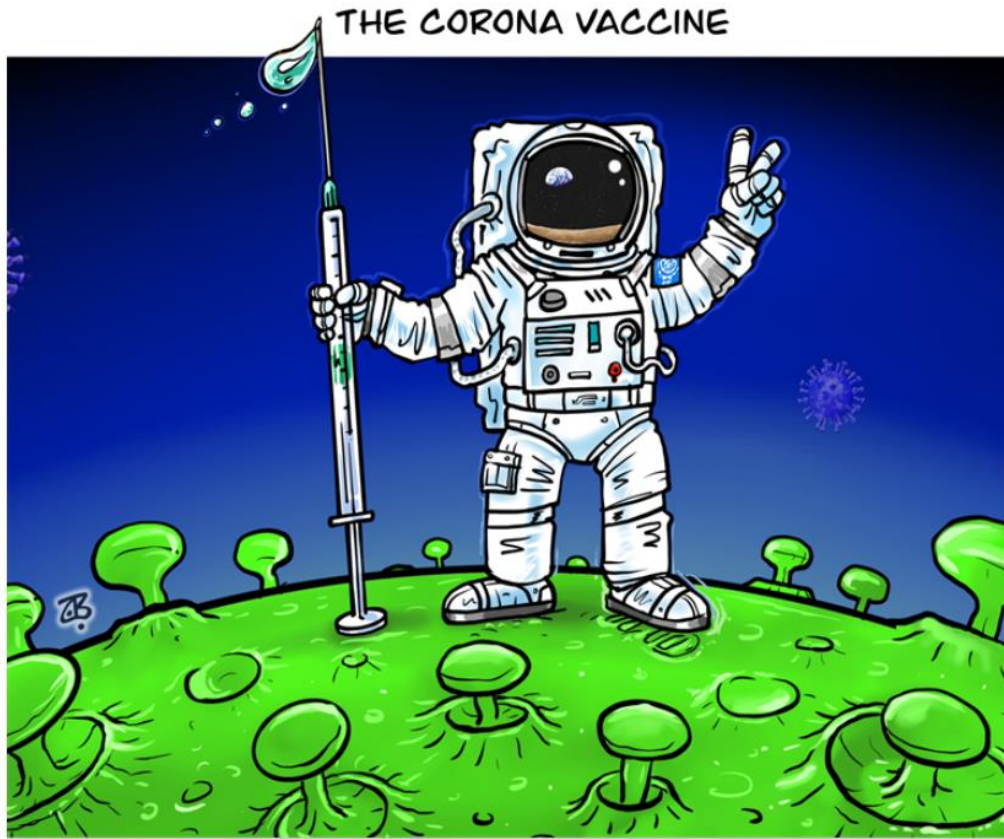
- Timetable
- Where vaccine goes
- Who manages

- **Availability**

- Vaccine
- Vaccinators
- Vaccine Recipients/Vaccine Hesitators
- Tracking System



Efficacy & Safety Data being answered; Questions yet to be answered ...



- How long immune?
- Able to infect others?
- Children < 18/16 years of age
- Pregnant women
- Future impact of virus mutations

Continue Public Health Practices

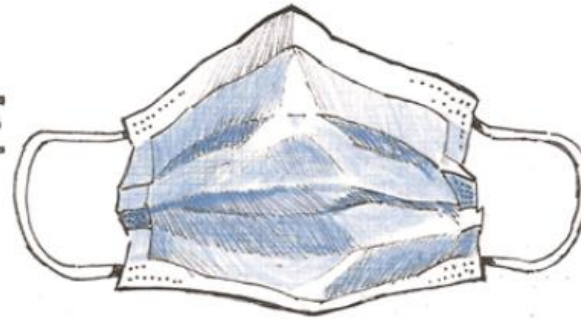
Operation
Warp Speed



COMING SOON, THANKS
TO OUR DOCTORS AND SCIENTISTS...
A LIFESAVING DRUG!

12/6 DANKON © 2020 COLUMBIA MISSOURIAN
CAGECARTOONS

Operation
Wrap Speed



HERE NOW! A HIGH-
TECH PAPER PRODUCT
THAT WILL HELP SAVE LIVES
IF WE USE THEM!

Approved in USA to date: 2

Company	Type	How Works	Where in Process
Pfizer (NY) & BioNTech (Germany)	mRNA	Genetic instructions to build coronavirus protein (spike); spikes provoke immune system response 95% efficacy	FDA Emergency Use Authorization
Moderna (Boston)	mRNA	94.5% efficacy	FDA Emergency Use Authorization
AstraZeneca (Sweden) & Univ of Oxford (England)	Adenovirus	Mixed results ... dosing differences (62%-90%)	Phase III (EUA in England)
Johnson & Johnson	Adenovirus	Initially one dose; trial now to assess two doses	Phase III; results expected this month

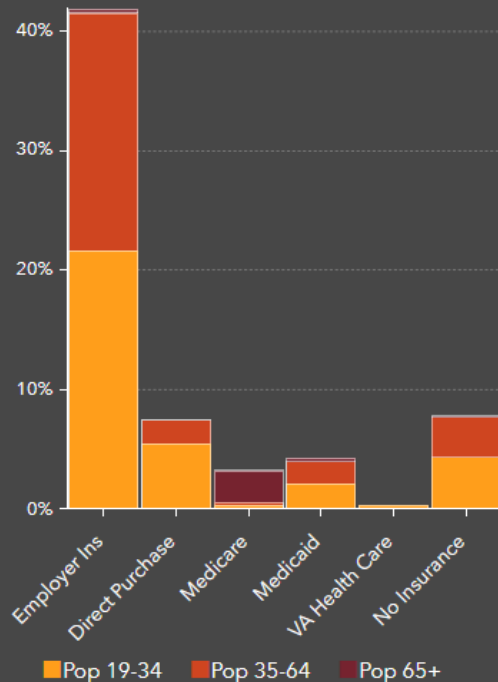
Resources

- Johns Hopkins ... COVID tracking
 - <https://coronavirus.jhu.edu/>
- New York Times: Coronavirus Vaccine Tracker
<https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html#novavax>
- Indiana:
 - <https://www.coronavirus.in.gov/>
 - <https://www.regenstrief.org/covid-dashboard/> [hospitalization data]
 - Regenstrief Institute
 - INPC = Indiana Network for Patient Care (public/private partnership)

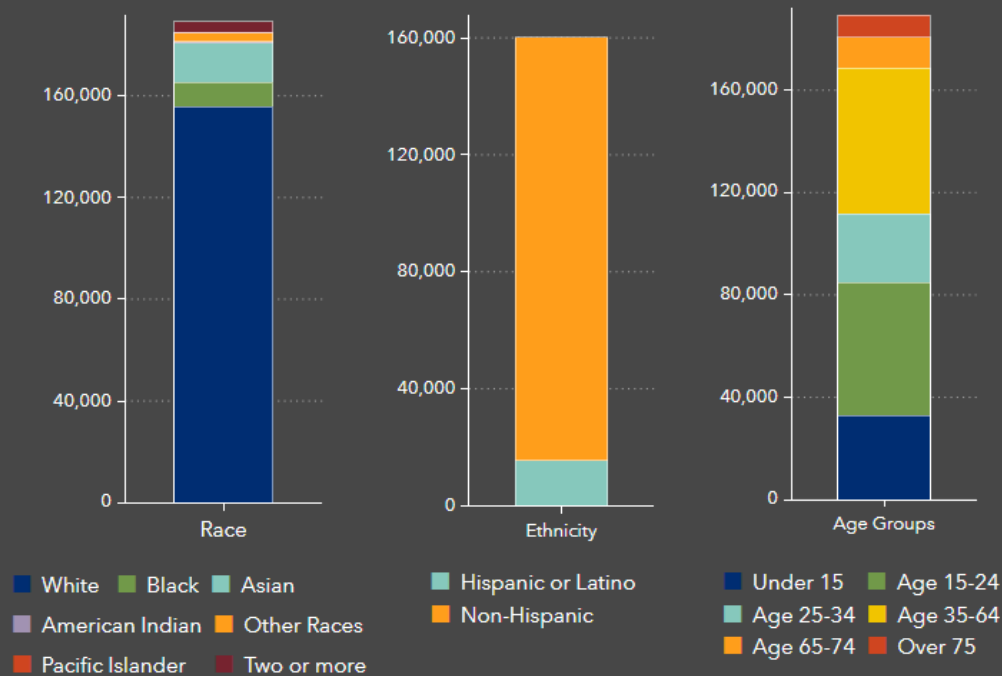
COVID-19 STATUS REPORT

Tippecanoe, Indiana

HEALTHCARE FACTS

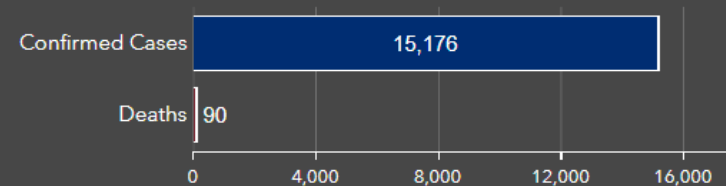


POPULATION RACE, ETHNICITY AND AGE



POLICIES AND CASES

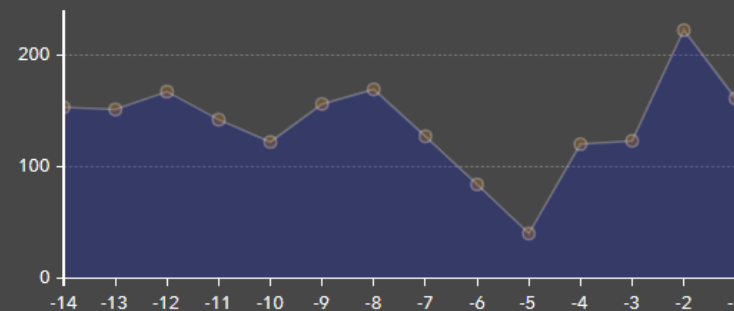
COUNTY CASE DATA



Indiana State Statistics

Total Confirmed	Deaths	Fatality Rate	Tested
517,773	8,371	1.62%	2,649,964

NUMBER OF CASES IN LAST 14 DAYS



477

Number of
Staffed Beds



477

Number of
Licensed Beds



35

Number of
ICU Beds



32,114

People in
Poverty (ACS)



189,294

Total Population
(ACS)



20,611

Population Aged
65+ (ACS)



161

New Cases Since
Previous Day



7,861

County Case Per
100,000 Population



0.59

County Fatality
Rate

Indiana Hospital Data (Regenstrief Institute)

