FORT WAYNE RICHARD M. FAIRBANKS SCHOOL OF PUBLIC HEALTH

Contributions of the Indiana Prevalence Study to the Worldwide Fight against COVID-19: Health and Business Implications for the Fort Wayne Community

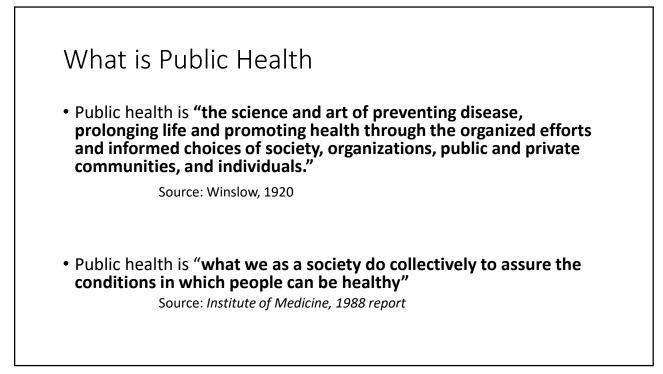
Paul Halverson, DrPH, FACHE

Founding Dean and Professor

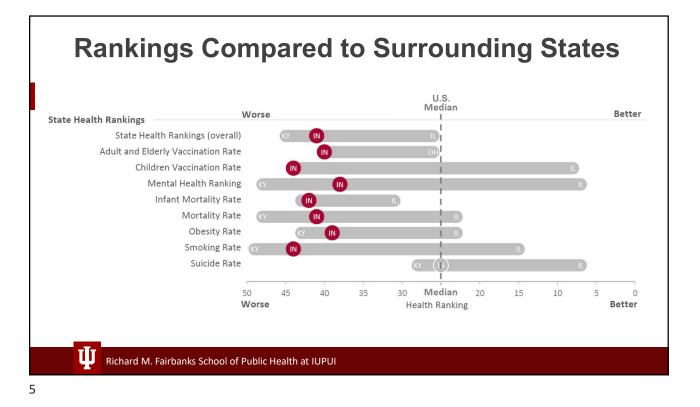
Nir Menachemi, PhD, MPH

Fairbanks Endowed Chair, Professor & Department Head

<section-header> History of Fairbanks School Pounded in 2012 on IUPUI campus with generous gift from RMFF Previous department in IUSM Masters & Bachelors programs in Health Administration from SPEA Became part of IU Fort Wayne campus in 2019 Currently offer BS degrees and minors in: Health Services Management Community Health Health Data Science Mission: Positively impact the health of Hoosiers Curcenting Management Curcenting Management Mission: Positively impact the health of Hoosiers









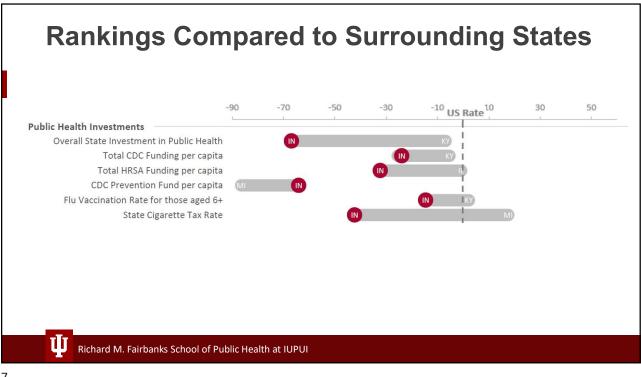
Maternal Mortality Alcohol Deaths Drug Deaths Suicide Deaths

Richard M. Fairbanks School of Public Health at IUPUI

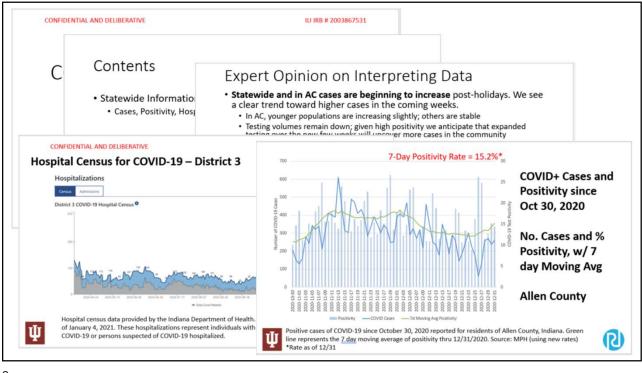
Combined Alcohol, Drug & Suicide Deaths

Rankings Compared to Surrounding States

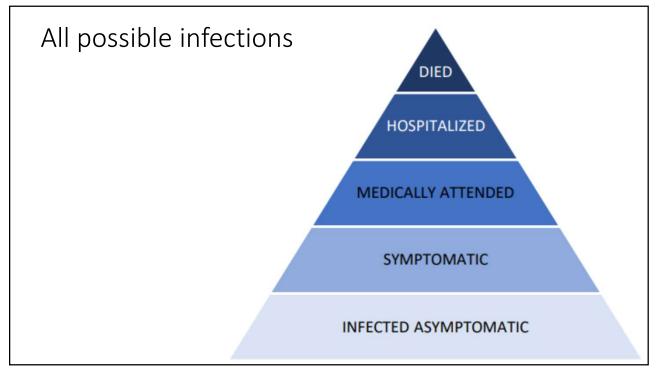
U

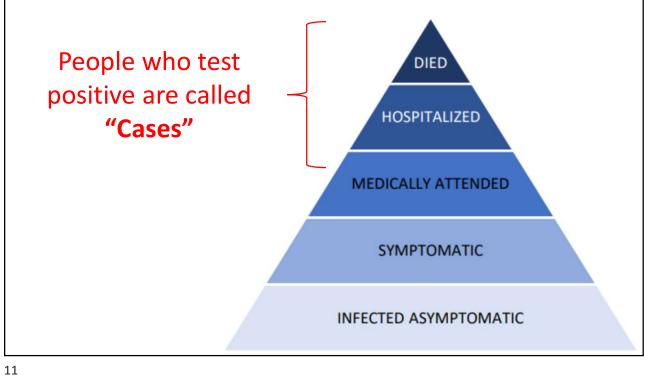




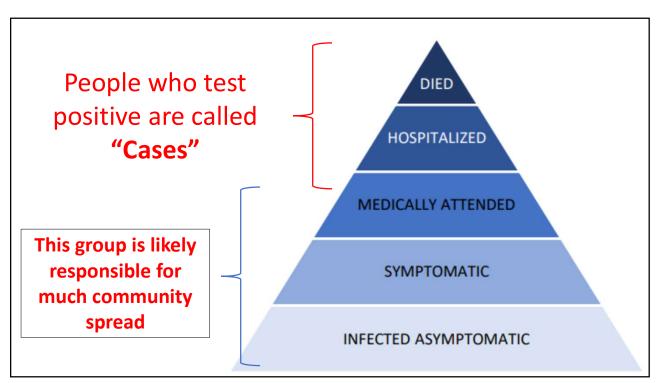


Indiana Prevalence Study- Testing Partners					
RICHARD M. FAIRBANKS SCHOOL OF PUBLIC HEALTH	Lilly	PARTNERS	Maximus	A STATE OF S	MANAGEMENT Performancehub
DEPARTMENT OF EDUCATION		BMV		STATE POLICE	PARKVIEW HEALTH
WAL*MART	IVY TECH	Teachers' Treasures		Ascension St. Vincent	Indiana State Department of Health

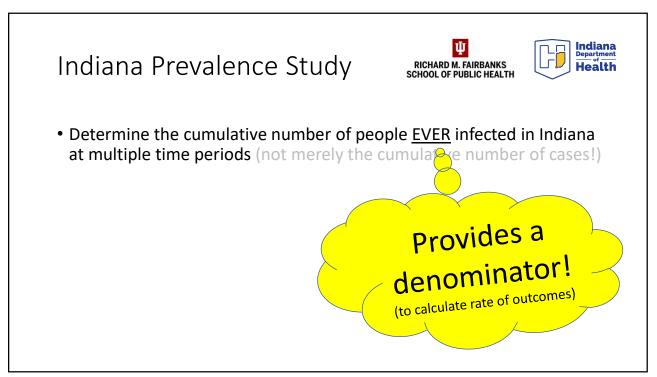


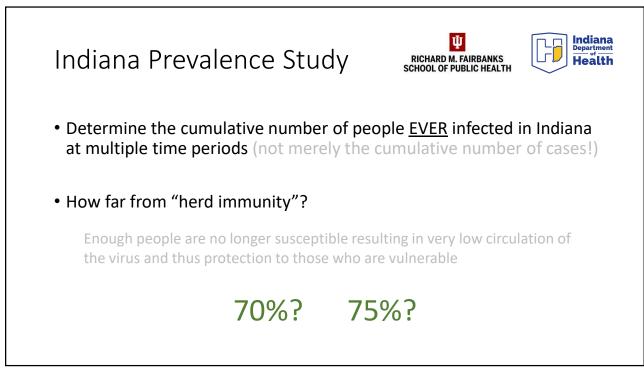




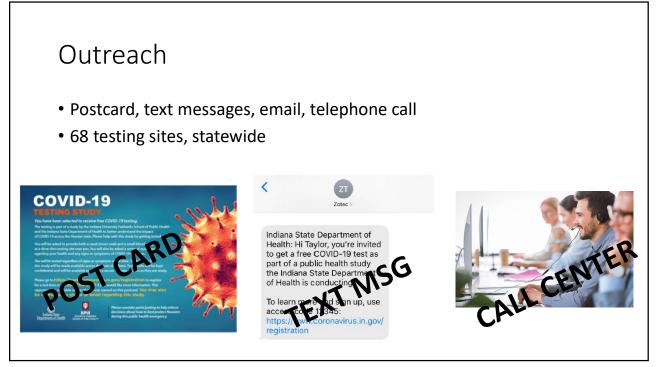


Opinion	
If We Can't Test	
Coronavirus. Th	is Is the Next Best Thing
	3
	ickest, most feasible and most
Random sampling is the qui effective means of assessing By Louis Kaplow	ickest, most feasible and most the U.S. population.
Random sampling is the qui effective means of assessing	ickest, most feasible and most the U.S. population.







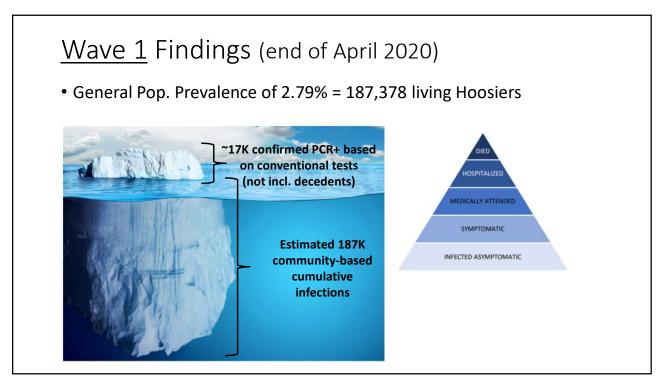


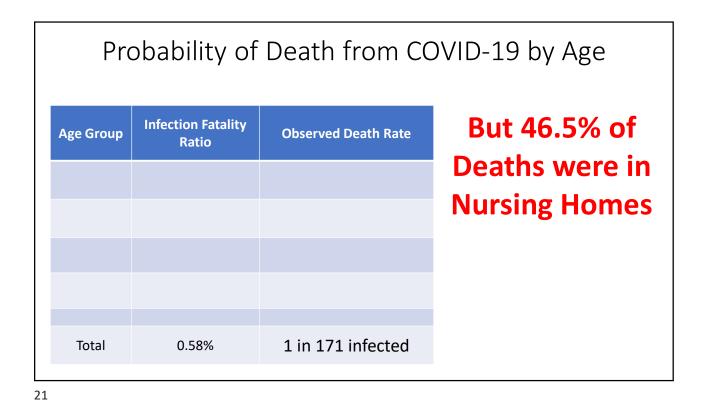


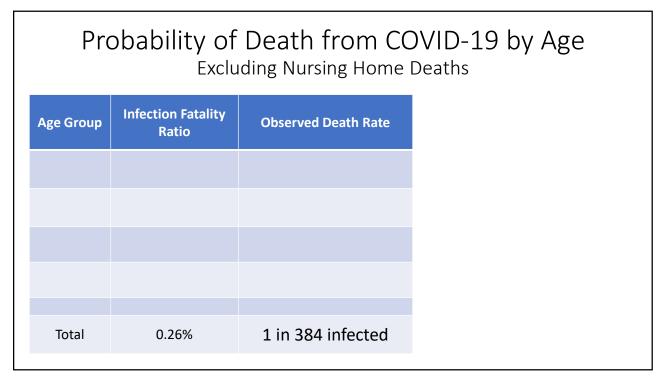
 Mount Sinai Church Location

 May 3, 2020

19







Probability of Death from COVID-19 by Age Excluding Nursing Home Deaths

Age Group	Infection Fatality Ratio	Observed Death Rate
Less than 30 years	0.005%	1 in 19,531 infected
30-49 years	0.04%	1 in 2,471 infected
50-64 years	0.44%	1 in 224 infected
65+ years	2.31%	1 in 43 infected
Total	0.26%	1 in 384 infected

23

Probability of Death from COVID-19 by Age Excluding Nursing Home Deaths

Age Group	Infection Fatality Ratio	Observed Death Rate	# of Deaths (as of 10/1/20 excl. LTC)
Less than 30 years	0.005%	1 in 19,531 infected	11
30-49 years	0.04%	1 in 2,471 infected	79
50-64 years	0.44%	1 in 224 infected	293
65+ years	2.31%	1 in 43 infected	1,033
Total	0.26%	1 in 384 infected	1,416

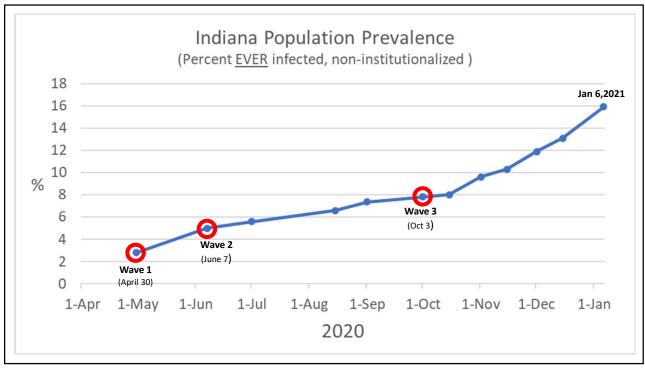
Probability of Death from COVID-19 by Age Excluding Nursing Home Deaths

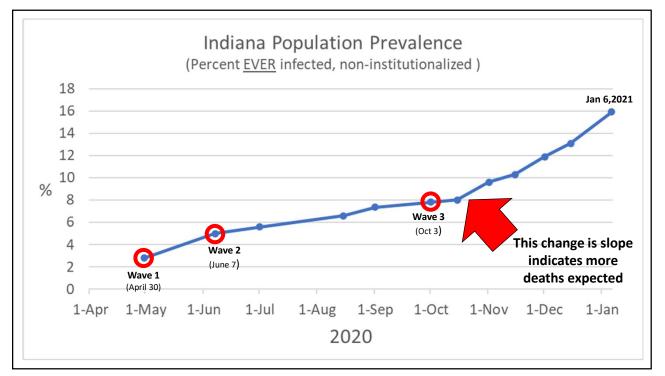
Age Group	Infection Fatality Ratio	Observed Death Rate	# of Deaths (as of 10/1/20 excl. LTC)	Derived Number of Infections (not in nursing homes)
Less than 30 years	0.005%	1 in 19,531 infected	11	214,844
30-49 years	0.04%	1 in 2,471 infected	79	195,255
50-64 years	0.44%	1 in 224 infected	293	65,756
65+ years	2.31%	1 in 43 infected	1,033	44,688
Total	0.26%	1 in 384 infected	1,416	520,542

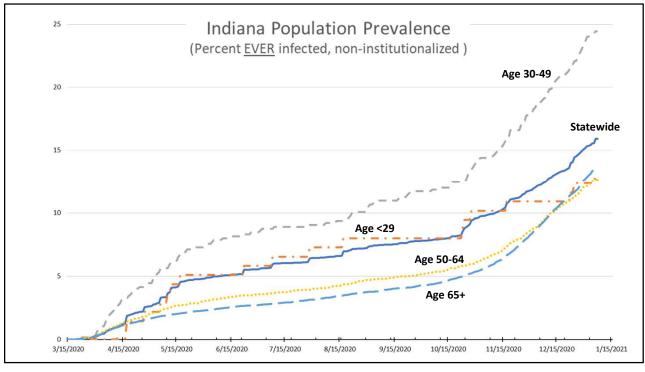
25

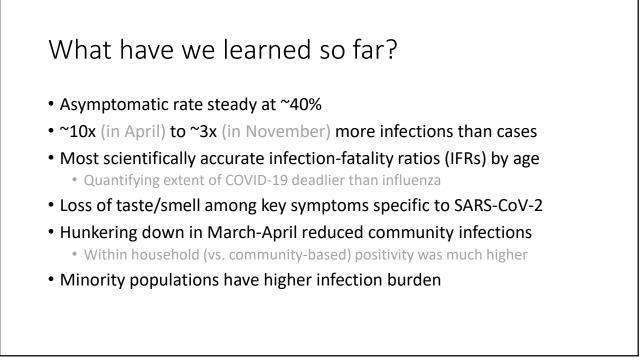
Probability of Death from COVID-19 by Age Excluding Nursing Home Deaths

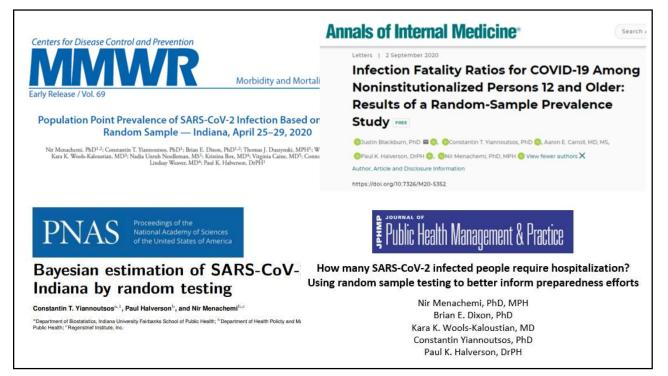
Age Group	Infection Fatality Ratio	Observed Death Rate		# of Deaths (as of 10/1/20 excl. LTC)		erived Number of Infections (not in nursing homes)
Less than 30 years	0.005%	1 in 19,531 infected	X	11	=	214,844
30-49 years	0.04%	1 in 2,471 infected	X	79	=	195,255
50-64 years	0.44%	1 in 224 infected	X	293	=	65,756
65+ years	2.31%	1 in 43 infected	Х	1,033	=	44,688
Total	0.26%	1 in 384 infected	X	1,416	=	520,542

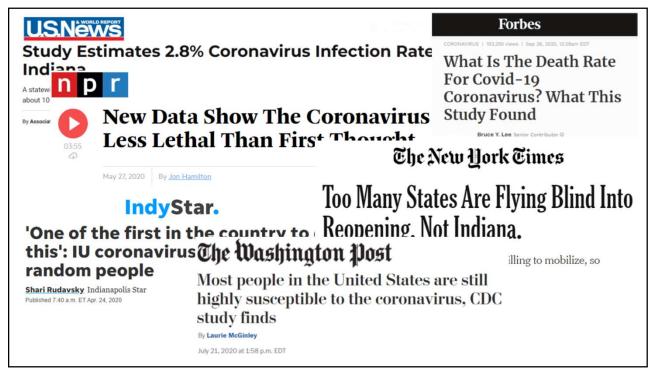
















Fairbanks School Research Team

Department of Biostatistics Constantin Yiannoutsos, PhD William Fadel, PhD

Department of Epidemiology Thomas J. Duszynski, MPH Brian Dixon, PhD IUSM Infectious Diseases Kara Wools-Kaloustian, MD

IUSM Pediatrics Aaron Carroll, MD, MS

Department of Health Policy and Management Justin Blackburn, PhD Paul Halverson, DrPH, MHSA Nadia Unruh Needleman, MS Nir Menachemi, PhD, MPH