



Clinical & Translational Science Institute
of Southeast Wisconsin



Fight COVID Milwaukee: Randomized COVID-19 testing in vulnerable communities and risk tool creation

**NCATS RADxUP \$5M supplement
September 2020 – September 2022**

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Recruitment and enrollment in study of COVID antibody tests, surveys, EHR, and Medicaid claims

- Recruitment letters/emails to 207,000 adult patients at 20 primary care health centers
- Community engagement and recruitment through local churches and Community Advisory Board
- Radio and news outreach to 250,000 Medicaid enrollees in Milwaukee
- 3,600 enrollees
 - 43% BIPOC
 - 25% Medicaid, 44% Medicare
 - Ages 18-89
 - 2/3 women
- Invited to equitable partnership panel for Duke CDCC on April 12



Selected results from surveys and COVID antibody tests

- 20% had a positive COVID PCR test
(MKE incidence 35% H, 25% B, 20% W)
- 7% had chronic COVID (e.g., fatigue, brain fog, cough)
- 43% had family member with COVID
- 7% had family member die of COVID
- 89% vaccinated at least once
(MKE rate 82% > 55 years, 60% H & W, 45% B)
- 94% spike protein Ab positive
- 11% nucleocapsid Ab positive (past infection)
- 6% no antibody protection (7% reported immunocompromise)



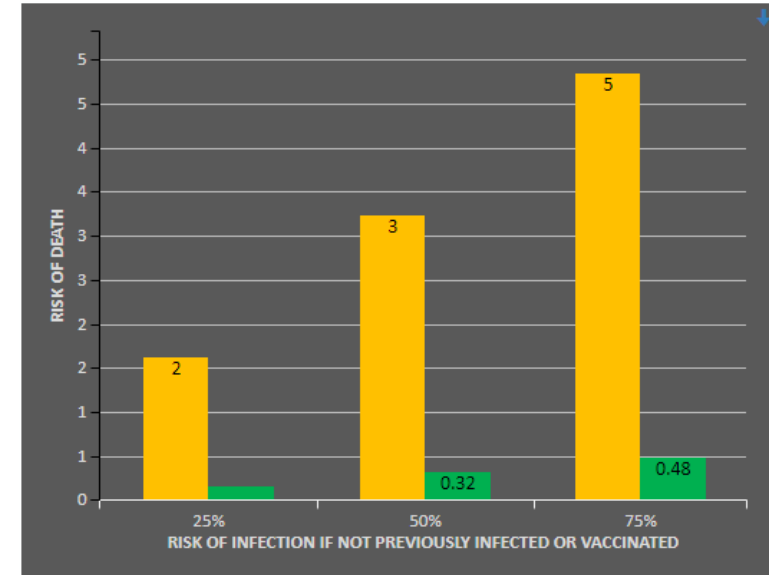
Individual and group comparison COVID risk estimators

- 5% Medicare national data; deaths in WI, IN, and Cook County IL
- Life expectancy loss > 3 months for age 75+, higher for B and H than W at all ages
- Mean age at death 80 years in 2020
- Mean age at death 69 years overall and 57 years for Hispanic men in 2021
- Manuscripts accepted by *Elder Law Journal*
- Presenting at RADxUP science meeting May 3
- 33,000 uses of the Fight COVID MKE individual risk estimator
- Focus groups of 72 community members and interviews of public health officials about communication of risks and protections

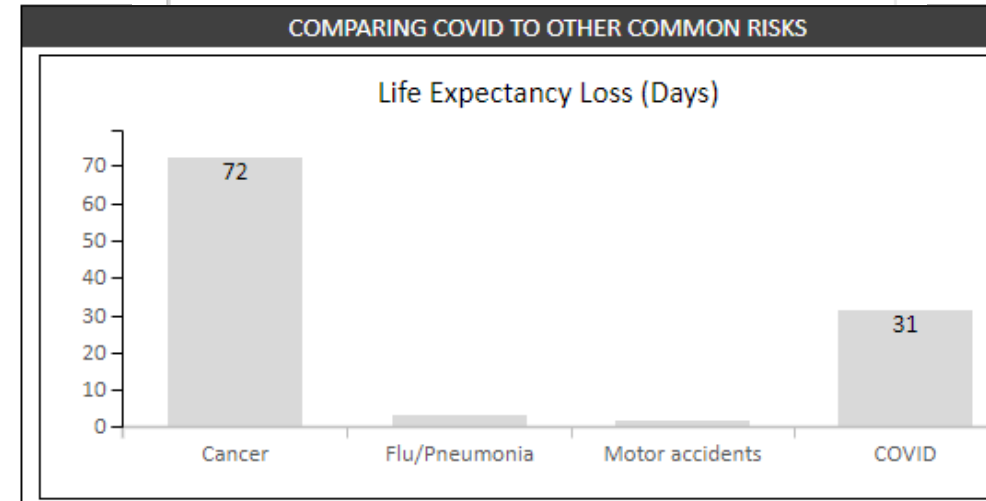
BASIC DATA (please fill in)	
Age (Years)	65
Sex	Male
Race/Ethnicity	Black
ZIP Code where you live	53206

HEALTH DATA (please fill in)	
Height (feet and inches)	5 9
Weight (pounds)	200
Has a physician ever told you that you have:	
Diabetes	Yes
High Blood Pressure	Yes
Coronary Artery Disease	No
COPD or Other Lung Disease	No
Kidney Disease	No
Cancer	No
Heart Failure	No
Stroke	No
Dementia	No

RISK OF DEATH FROM COVID FOR PEOPLE LIKE YOU (OUT OF 1,000)



■ Not previously infected or vaccinated
■ Maximally protected by vaccination and/or booster and/or previous infection



Life expectancy loss for COVID is over Mar 1, 2020 - Dec 31, 2021

Life expectancy loss for other causes is risk over one year



Timeline of activities and proposed no cost extension

- June: end antibody test enrollment
- September: end follow up antibody tests and surveys
- December: end WI, IN, and IL death data collection
- May 2023: complete time series studies of association of vaccines, infections, and deaths in Wisconsin by age, gender, race/ethnicity, zip code, and SES, as well as mortality studies with Medicare, WI, IN, and IL data