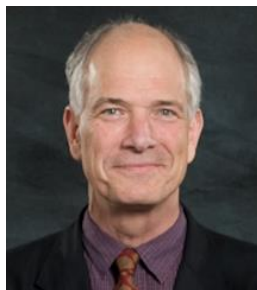


Improving Vaccine Uptake in Skilled Nursing Facilities: IMPACT-C



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“IMPACT-C will establish the infrastructure and expertise to develop and evaluate SARS-CoV-2 vaccination strategies for SNFs that are compassionate and culturally sensitive, but at the same time, are nimble enough to respond to rapid advances in testing modalities and vaccine development.”

Website: <https://www.nhcovidvaccine.com/>

RATIONALE: COVID-19 has disproportionately affected skilled nursing facilities’ (SNF) residents and workers, and is the biggest challenge U.S. SNFs have faced in decades. COVID-19 has magnified long-standing health disparities in the quality and outcomes of care among minority SNF residents. Equitable, universal testing and vaccination strategies that include SNF residents and workers is essential to containing viral spread in this setting.

OBJECTIVE: Our goal is to leverage the foundation of the NIA IMPACT Collaboratory to establish IMPACT-COVID-19 (IMPACT-C), which will be dedicated to developing and evaluating SARS-CoV-2 testing and vaccination strategies among highly vulnerable SNF residents and workers.

AIMS: 1) Describe disparities in SARS-CoV-2 testing, and identify resident, facility and policy characteristics associated with COVID-19 outbreaks and outcomes; 2) Engage key stakeholders to develop culturally sensitive SARS-CoV-2 testing and vaccination strategies; and 3) Design and conduct a cluster randomized clinical trial (RCT) of a “high touch” SARS-CoV-2 vaccination intervention embedded in SNF health systems.

POPULATION: SNF residents and healthcare workers.

DESIGN: The organizational, administrative, and expertise components for IMPACT-C will include: leadership, regulatory structures, dissemination, and investigators. We will leverage IMPACT Collaboratory’s Data Sharing Collaborative that includes 11 national companies with >1,000 SNFs. We have established the infrastructure to securely and regularly receive daily EMR and COVID-19 data from this consortium and link it to Medicare claims and Minimum Data Set assessments. Using this rich and representative database, we will conduct a series of models to inform policies on SARS-CoV-2 testing and vaccination and to forecast outbreaks. We have additionally designed a cluster RCT of ~160 facilities to compare the effect of a “high touch” vaccination intervention versus enhanced usual care on the uptake COVID-19 vaccinations among residents and staff. Data will be shared with the RADx-UP Coordination and Data Collection Center.

OUTCOMES: Leverage IMPACT’s resources to develop a diverse and engaged group of stakeholders who will identify barriers to SARS-CoV-2 testing and vaccination in SNFs, develop solutions, and inform the development of future vaccination strategies to be evaluated in a cluster RCT.

IMPACT: IMPACT-C will establish the infrastructure and expertise to develop and evaluate SARS-CoV-2 testing and vaccination strategies for SNFs that are compassionate and culturally sensitive, but at the same time, are nimble enough to respond to rapid advances in testing modalities and vaccine development. Ultimately, IMPACT-C will be well-poised to inform future vaccination strategies across SNFs aimed at equitable uptake for residents and staff.