



# CIVICs Resources

CIVICs contributes publications, protocols, biological samples, & research data to combat influenza & advance immunology, virology, & vaccinology. Scientists & staff across the program facilitate information & data sharing.

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**Data Coordination Center**  
Advancing program coordination, data sharing, & communication across CIVICs through the SDMCC

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**Working Groups**  
Facilitating assay & data standardization through scientific & technical working groups

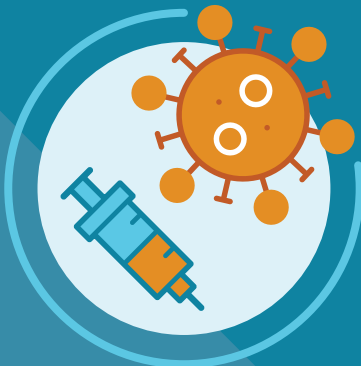
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**Data Managers**  
Sharing high-quality research data with expertise & effort from data managers & scientists



**125+** Studies

Encompassing exploratory, preclinical, clinical research, & vaccine manufacturing



**1K+** Cohorts

Annotating vaccination, treatment, infection, exposure, & immune protection across subject groups



**9K+** Subjects

Analyzing immunity in humans, non-human primates, & rodent models

## Data Sharing

Aligned with NIH data sharing initiatives, CIVICs data are shared in public repositories like ImmPort & NCBI GenBank to enable reproducibility & scientific discovery.

CIVICs models its data sharing practices to align with & extend widely established standards that maintain FAIR data principles.

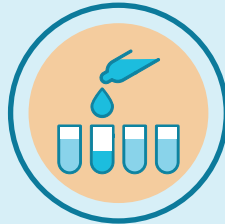
- Findable
- Accessible
- Interoperable
- Reusable



**150+** Protocols  
**630+** Reagents

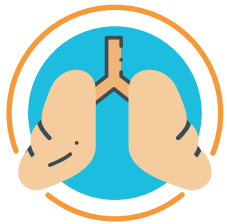


**52K+**  
Data/Results



**80+**  
Assays

- ELISA
- HAI
- NAI
- Virus Neutralization
- Flow Cytometry
- Multiplex Bead Array
- ELISPOT
- RNAseq
- Survival Curves
- Models
- Clinical Scores
- Viral Load



**15K+**  
Biosamples



**285+**  
Publications

## Assay Standardization & Protocols

The CIVICs assay working group & subgroups help establish standardized assays & protocols spanning serology, -omics, cellular, cytokine, & biomarker research. This standardization ensures accurate & replicable comparisons of vaccine candidates throughout CIVICs preclinical & clinical research studies.



**Publication**

DCVC, Duke CC, & UMB CC standardize HAI assays to enhance comparability across labs  
*Frontiers in Immunology*  
**PMID: 37090729**



Viral reference strains selected by working groups are available to request on the SDMCC Portal to support cross-study comparison of CIVICs vaccine candidates *in vivo* & *in vitro*.



The CIVICs biorepository catalogs & banks pediatric, adult, & older adult biosamples from CIVICs clinical studies for secondary research & analysis.