The CEIRR Influenza Data Processing and Communication Center (iDPCC)

The iDPCC was created by the National Institute of Allergy and Infectious Diseases (NIAID) to support the needs of the Centers of Excellence for Influenza Research and Response (CEIRR) Network. The iDPCC's mission for CEIRR encompasses four major functions:

Data Management and Analytics

Developing secure, interoperable systems for CEIRR data collection, management, quality control, and analytics, ensuring data sharing and public domain transfer through innovative platforms and common standards.



Data Standards

- ➤ 75 Data Standard and Data Dictionaries implemented
- Interactive Data Model vizualizes data connections



Private Analytics Dashboards for published and unpublished data



Data Submission Pipeline

- ➤160,000+ QC checks conducted
- >469,000+ data records transferred to public databases



Collaboration and Coordination

Enhancing CEIRR's collaborative research by facilitating scientific discussion, supporting dissemination of key findings, and maintaining searchable libraries of data and reagents.



Collaboration

- > Led 40 working group meetings
- > 10,000+ reagents hosted for collaborative use



Coordination

- ➤ Moderated **36** webinars
- > Processed 120+ Pilot Program submissions
- ➤ Supported CEIRR's pandemic preparedness and outbreak response to COVID-19 and avian influenza



Offering comprehensive training and technical assistance for CEIRR investigators, including hands-on sessions and Help Desk support, to optimize data sharing and analysis across iDPCC applications.



Communication and Outreach

Playing a central role in communicating the mission and accomplishments of CEIRR and its investigators to the scientific community and general public through a variety of channels.



Training

- > Developed 10 training guides for applications
- Offered hands-on training virtually and at the CEIRR Network Meeting Tech and Training Bar



Help Desk

- > Completed 1,400+ support tickets
- > Created 600+ iDPCC portal accounts



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Outreach

- >1,900+ followers on CEIRR social media accounts
- ➤ Generated **5** infographics highlighting CEIRR research
- ➤ Distributed 11 quarterly newsletters



Scientific Conferences

- > Exhibited at conferences attended by **4.000+** people
- Developed and distributed 20 outreach materials



Website Content

- > Published 44 news articles
- ➤ Hosted **730+**CEIRR publications

