

Data sharing platform for Influenza

As part of the ongoing work on the causes and spread of respiratory disease, the Helmholtz Centre for Infection Research in Germany sought to build on the success of the open research platform collaborating on the seroprevalence of SARS-CoV-2 (serohub.net). We rapidly scaled two additional open research platforms supporting greater collaboration on the seroprevalence of Influenza and Respiratory Syncytial Virus (RSV).

APPROACH

The aim of the project was to build two additional data platforms modelling the key driving factors of serohub. Our approach had to support four primary aims: be a community space for researchers, allow for critical appraisal of diagnostic trials, host study-related documents and be a cloud-based, meta-analysis platform.

OBJECTIVES

- ❑ Build centralised platforms where researchers can share studies, publications and data easily
- ❑ Incorporate four platform elements: community, trial summary, document and meta-analysis
- ❑ Build internal capabilities with core documentation and training
- ❑ Connect with the PubMed research library so that articles could be automatically published on the platform.

ACHIEVEMENTS

- ✓ Aligned with research, management and technical teams on data infrastructure
- ✓ Built a platform using the Netlify CMS to easily manage content
- ✓ Used cost effective tools like GitHub and Hugo to enable greater levels of collaboration and scalability
- ✓ Delivered a public website and a service environment for researchers
- ✓ Created extensive users guides and project documentation
- ✓ Delivered digital training and Q&A sessions to staff to ensure scalability.

Influenzahub platform influenzahub.net
RSV platform rsvhub.net

KEY RESULTS

- ✓ New platforms live for Influenza & RSV
- ✓ Integrations with Pub Med

Nightingale HQ helped us quickly build on the success of an open knowledge and data sharing platform with serohub.net to support researchers globally.

They took our requirements to build a centralised hub of resources and delivered on key functions like the ability to add research studies, publications and even share case-based data.

The result has enabled our partners to contribute easily and at speed their knowledge and tools, helping to improve evidence-based decision-making on COVID-19.

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