



VA

U.S. Department
of Veterans Affairs

VA COVID-19 Shared Data Resource

UPDATE

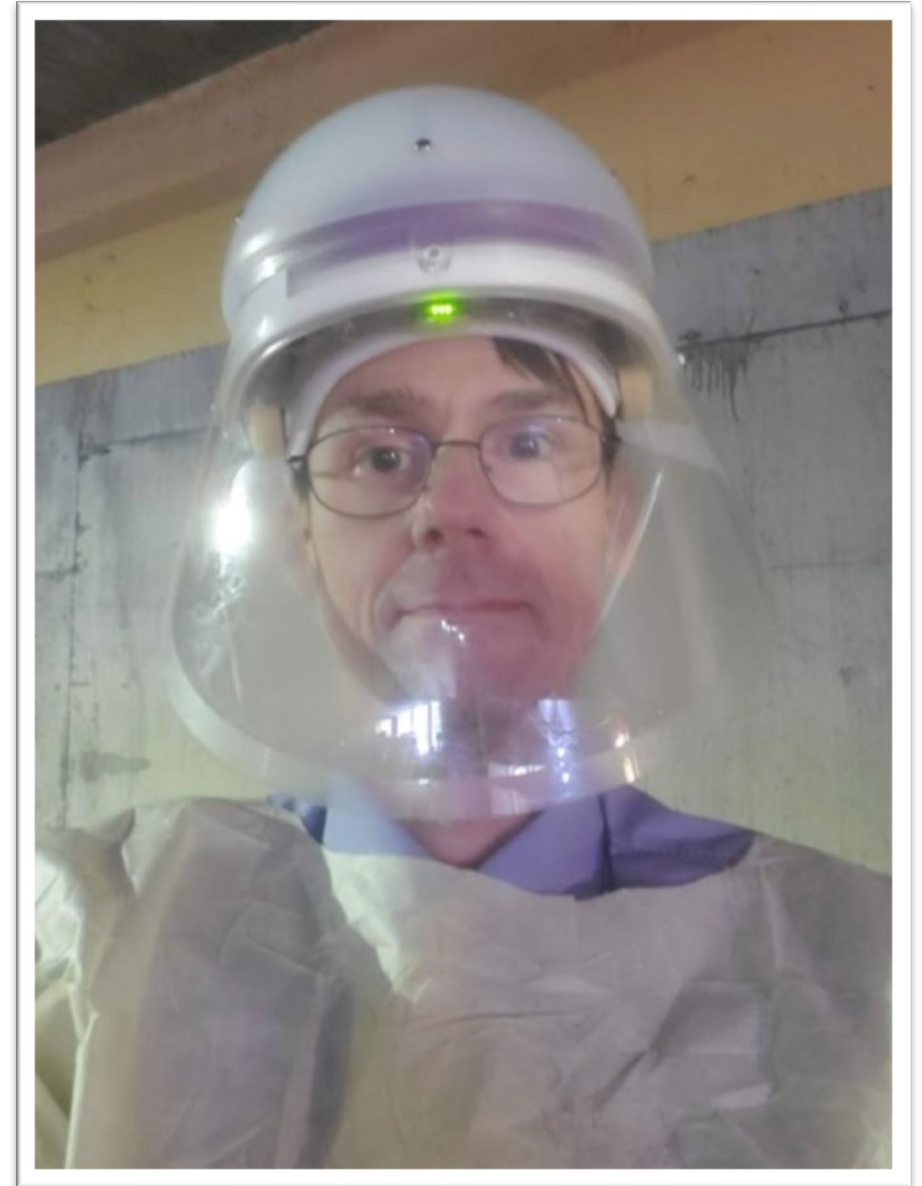


VA Informatics
and Computing
Infrastructure



THANK YOU

front-line clinicians
care givers
all those who are serving





Where to learn & how to access

VA Phenomics Library

Thank you
MVP!

[https://vhacdwdwhweb100.vha.med.va.gov/
phenotype/index.php/
COVID-19:Shared_Data_Resource](https://vhacdwdwhweb100.vha.med.va.gov/phenotype/index.php/COVID-19:Shared_Data_Resource)



How can I help?

- Reporting a COVID data quality issue
- Reporting a COVID data access issue
- Asking a COVID data question
- Offering to help with validation
- Offering to contribute mappings
- Requesting new data elements
- Other...

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What do I get access to?

VA COVID-19 Shared Data Resource

is a **DATA DOMAIN**

population of patients that meet your study criteria

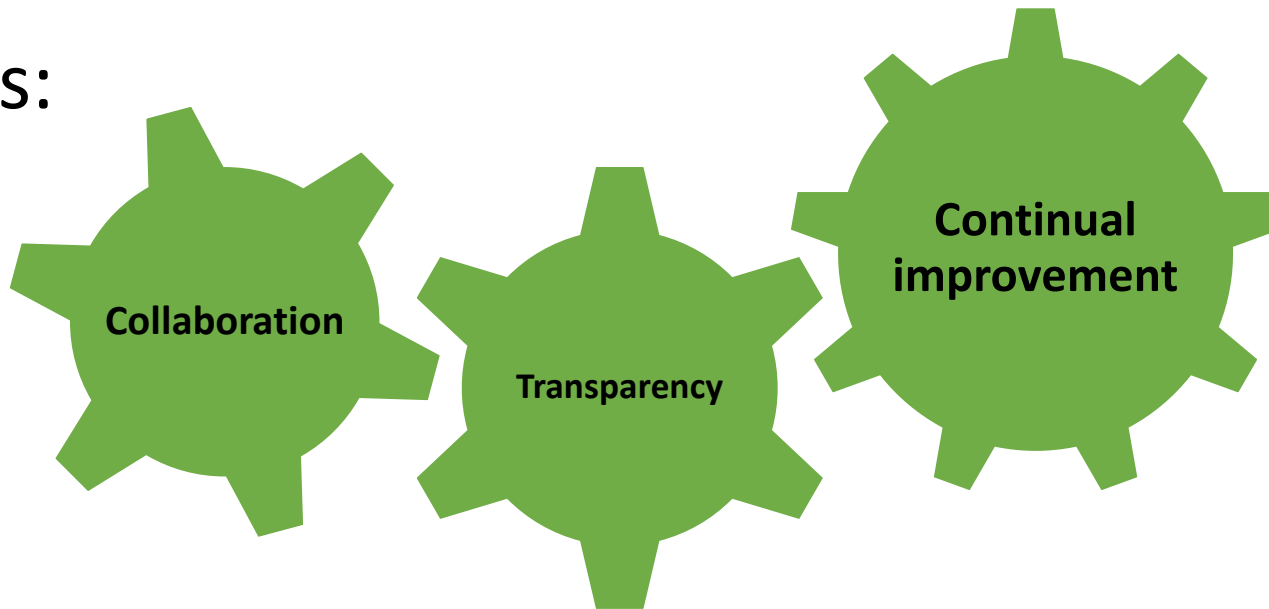
is your **STUDY COHORT**



VA COVID-19 Shared Data Resource

- Goal:
 - Provide value as **quickly** and **consistently** as possible

- Process:





Collaboration

- Makoto Jones
- Kelly Peterson
- Adrienne Murray
- BASIC team, VA SLC
- Barb Jones
- Joe Francis
- Tami Box
- Jack Bates
- Jennifer Knowlden
- Andrew Price
- Penchala Kankanala
- Mahikpreet Kaur
- Hans Nelson
- Matthew Wollner
- Dan Hardan
- Thomas Huneke
- Trinity Hall
- BISL and VINCI IT
- Evan Carey
- Craig Kreisler
- Tom Glorioso
- Rian DeFaccio
- Fran Cunningham
- Ashir Shumunov
- Kwan Hur
- Mark Holodniy
- Gina Oda
- Cynthia Lucero
- Patricia Schirmer
- Jonathan Nebeker
- Kristine Lynch
- Michael Matheny
- Elise Gatsby
- Ben Viernes
- Kevin Malohi
- Olga Patterson
- Patrick Alba
- Hannah Eyre
- Jennifer Ling
- Jeff Rogers
- Olga Efimova
- Tori Anglin-Foote
- Benji Lambson
- Steven J. Oostema
- Andrew Holbrook
- Lu Zhenyu
- Brian Robison
- Jiantao Bian
- Steve Johnson
- Aize Cao
- Daniel Park
- Vincent Messina
- Jason Denton
- Kushan Hewa
- Liz Hanchrow
- Abigail Hillard
- Jeffrey Ferraro
- Shaoyu Su
- Qingzhu Liu
- Ramana Seerapu



Collaboration

- Kim Bloom
- Greg Coronado
- Kristi Gregory
- Holly Andreason
- Camille Bateman
- Cara Shimizu
- David Kotter
- Lacy Castleton
- Lindsay Tanzer
- Tiffany Quilter
- Della Richter
- Chris Ledding
- Jay Tucker
- Tim Trautman
- Nevin Taylor
- Udara Abeysekara
- Chris Wilson
- Will Tolbert
- Deborah Eddy
- Chris Halladay
- Hamid Saoudian
- Sumitra Muralidhar
- Michael Gaziano
- Stacey Whitbourne
- Phil Tsao
- Chris O'Donnell
- Kelly Cho
- Anne Ho
- Jeffrey Gosian
- David Gagnon
- Hanna Gerlovin
- Katherine Kurgansky
- Dan Posner
- Adriana Hung
- Amy Justice
- Chris Rentsch
- Melissa Skanderson
- Janet Tate
- George Hauser
- Joseph Goulet
- Farah Kidwai-Khan
- Lesley Park
- MVP-CHAMPION
- David Au
- Michael Ho
- Sarah Haeger
- Tyler Wieman
- Corey Walsh
- Abigail Bryant
- Amber Fleck
- Eric Cross
- Michael Klausner
- Kevin Duan
- Scott Powers
- Todd Wagner
- Nicholas Smith
- Jonathan Sugimoto
- Sarah Keithly
- Walid Gellad
- Paul Heidenreich



Collaboration


- Aditya Sharma
 - Sonia Duffy
 - Adam Chow
 - Paul Barnett
 - Rose Ignacio
 - Yoko Ogawa
 - Kristin de Groot
 - Scot Dingman
 - Palantir Integrated
- Project Team
- OHDSI COVID Collaboration
 - Cooperative Studies Program
 - CSPEAR
 - ORD COVID Steering Committee
 - Michael Conlin
- Sean Nugent
 - Matthew Maciejewski
 - Alexandra Neuhaus-Follini
 - David Atkins
 - Grant Huang
 - Rachel Ramoni
 - and many more...



Collaboration

pre index observations

post index observations

 COVID-19 case

index date = date of COVID-19 case

-

|

 COVID-19 case with hospitalization up to 15 days before

|

index date = admit date of hospitalization up to 15 days before date of COVID-19 case

|



index date



Collaboration

pre index observations

post index observations

conditions

labs

medications

procedures



index date



Collaboration

pre index observations

post index observations

conditions

conditions

labs

labs

phenotypes

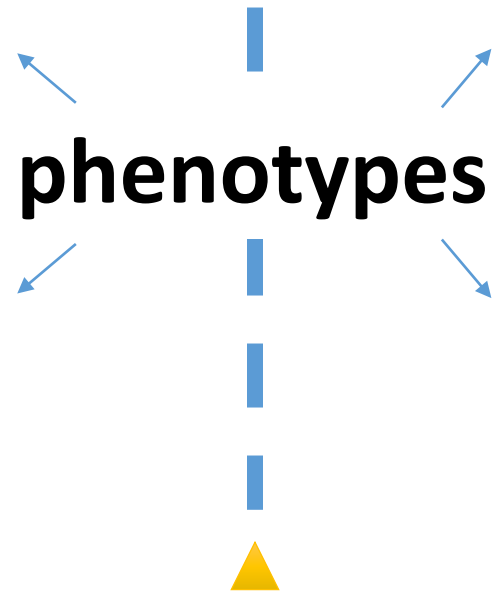
medications

medications

procedures

procedures

index date





Collaboration

formula:
anchor + phenotype + observation period

table name

column name



Collaboration

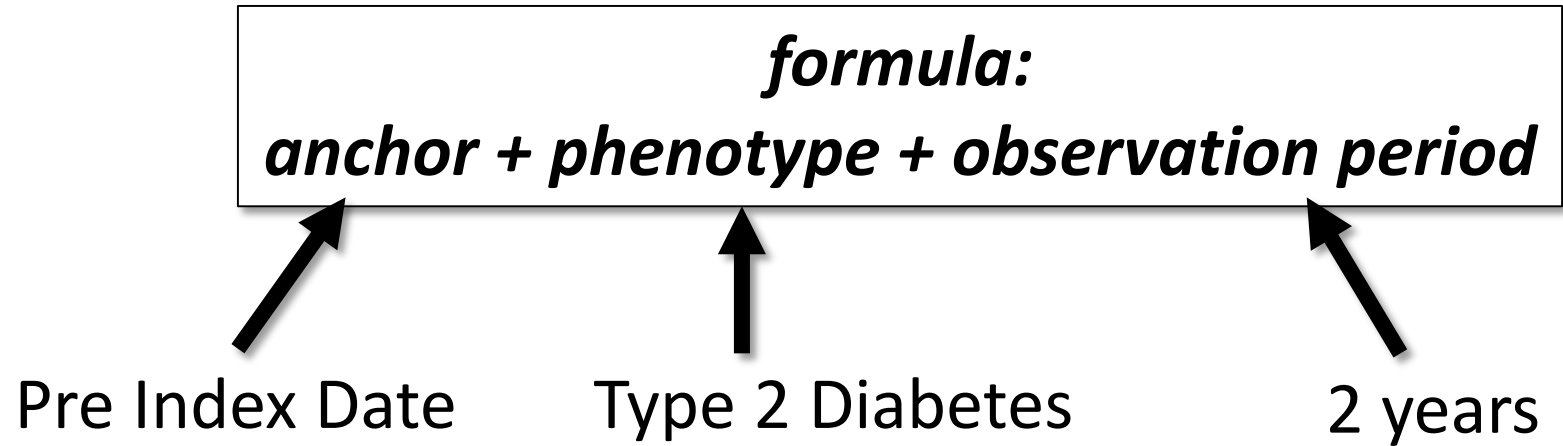


table name: ORDCOVID_PreIndexConditions
column name: DiabetesType22yrs



Collaboration

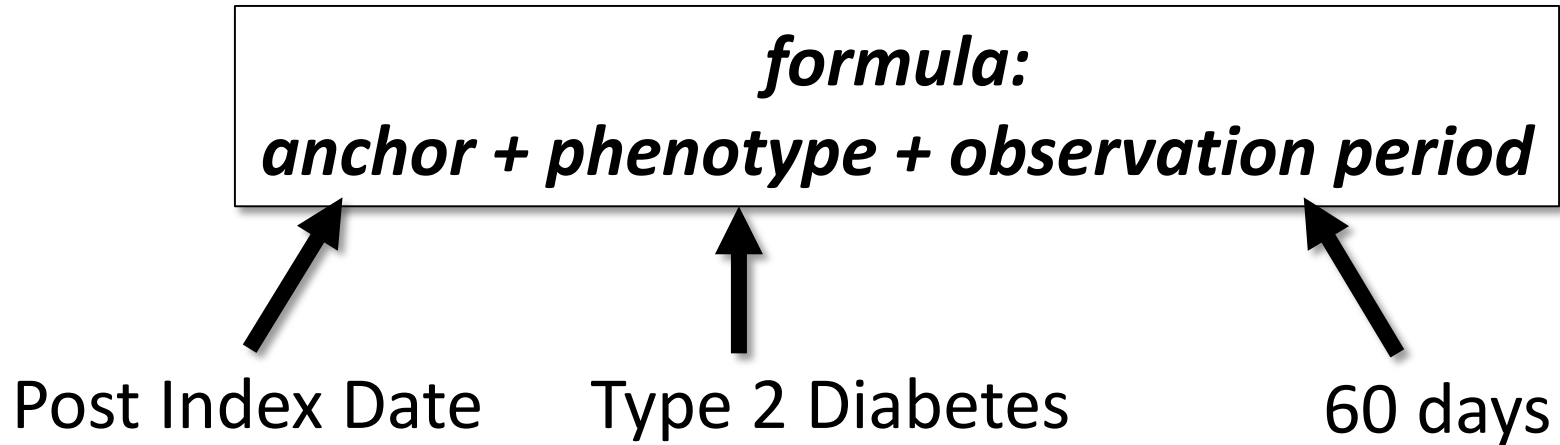


table name: ORDCOVID_PostIndexConditions

column name: DiabetesType260d

DiabetesType2OccurrenceType

NULL = not yet 60 days or present

0 = Neither pre nor post index

1 = incident (post, but no pre index)

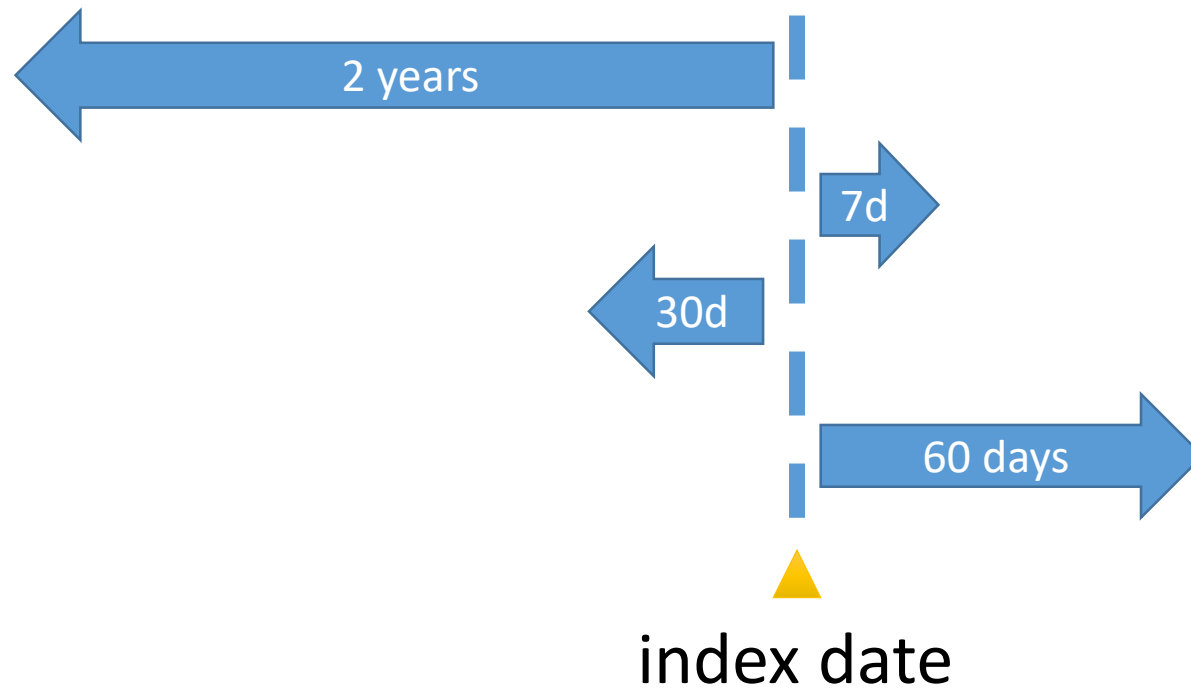
2 = prevalent (pre and post index)



Collaboration

pre index observations

post index observations





Collaboration

pre index observations

post index observations



ORDCOVID_PreIndexConditions
ORDCOVID_PreIndexMedications



index date

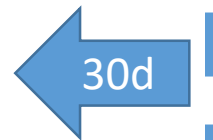


Collaboration

pre index observations

post index observations

ORDCOVID_PreIndexSymptoms



index date



Collaboration

pre index observations

post index observations



ORDCOVID_PostIndexConditions
ORDCOVID_PostIndexMedications
ORDCOVID_PostIndexProcedures



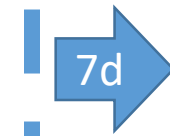
index date



Collaboration

pre index observations

post index observations



ORDCOVID_PostIndexLabs



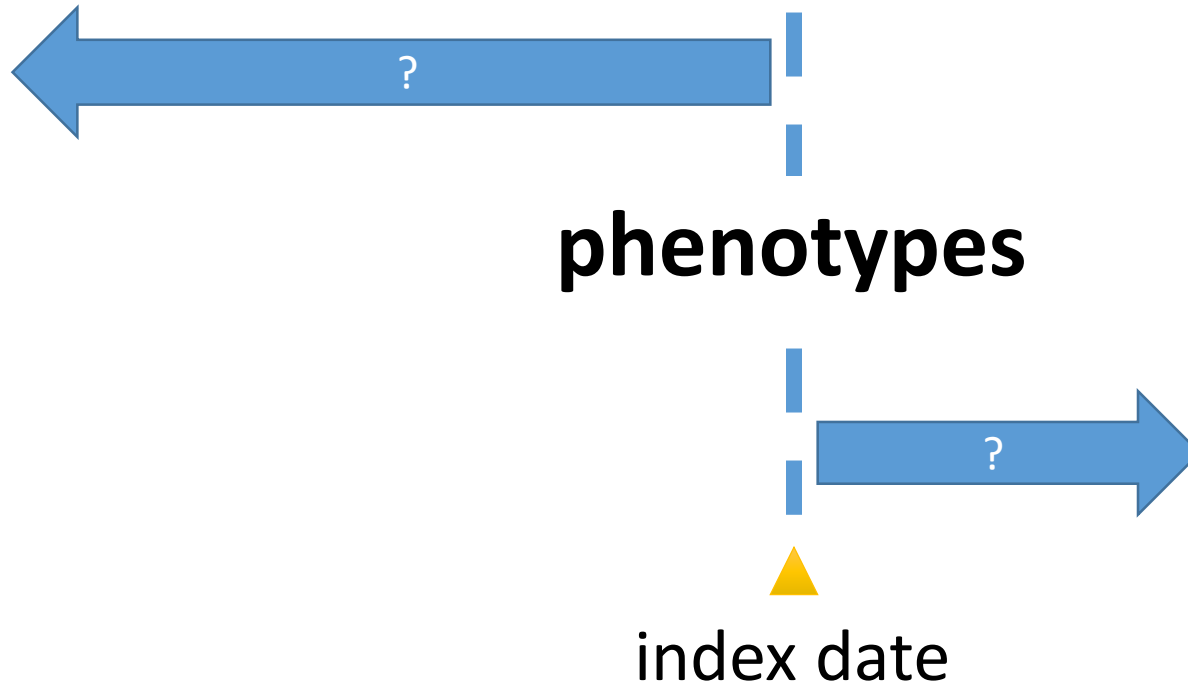
index date



Collaboration

pre index observations

post index observations





Collaboration

- Requested phenotypes

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Collaboration

- Frequently Asked Questions

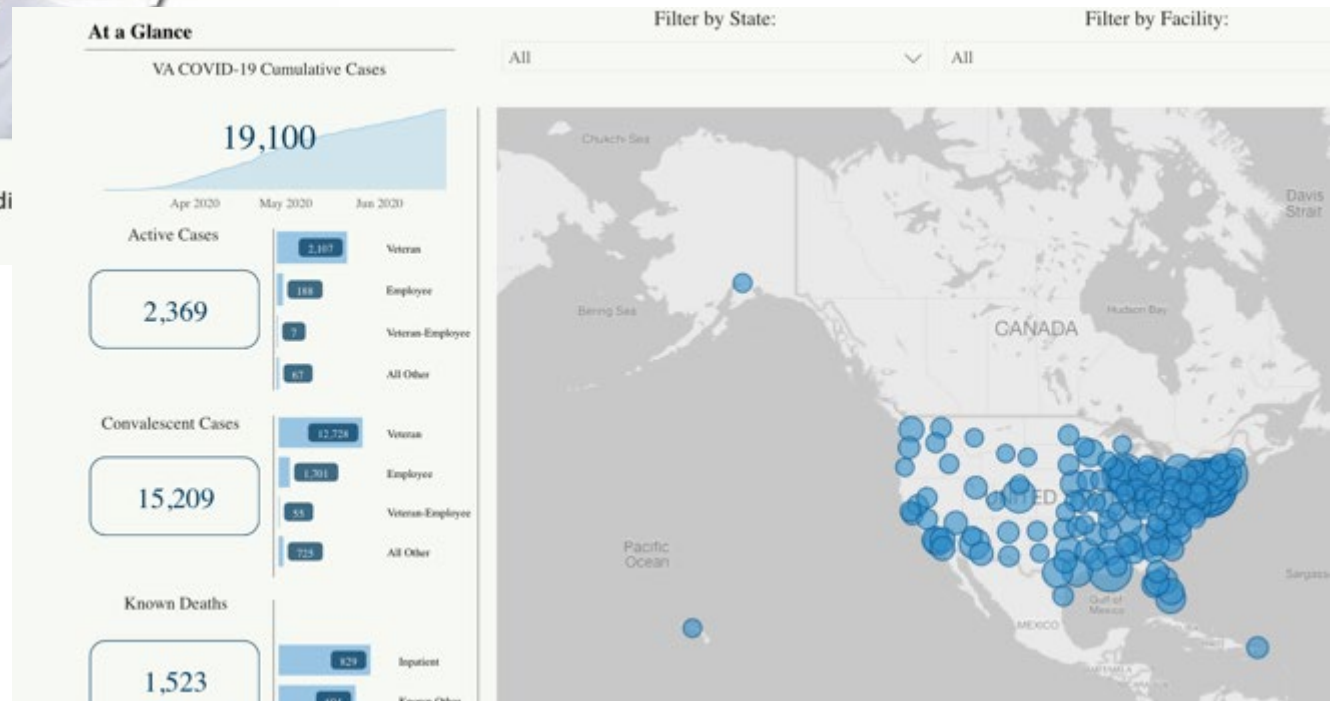
vinci@va.gov



Transparency

Department of Veterans Affairs COVID-19 National Summary

This report compares VA cases diagnosed and treated at VA facilities, with community cases di non-VA healthcare facilities.





Transparency

National Surveillance Tool

VA COVID-19 Shared Data Resource



Transparency

National Surveillance Tool

VA COVID-19 Shared Data Resource

CaseDetail

PatientICN

CaseDefinition

CaseDateTime

PatientStatus

Patient

PatientICN

EverPositive

IndexDate

FirstPositive

RecentPositive

FirstNegative

RecentNegative



Transparency

ChangeLog

- Patient added
- Patient no longer in feed
- Patient identifier change
- CaseDateTime change
- CaseDefinition change
- PatientCategory change
- PatientStatus change
- ...

IssueLog

- PatientSID not in CDW.Patient
- PatientSID / sta3n mismatch
- PatientSID / PatientICN mismatch
- PatientCategory / CDW mismatch
- DeathDateTime / CDW mismatch
- ...



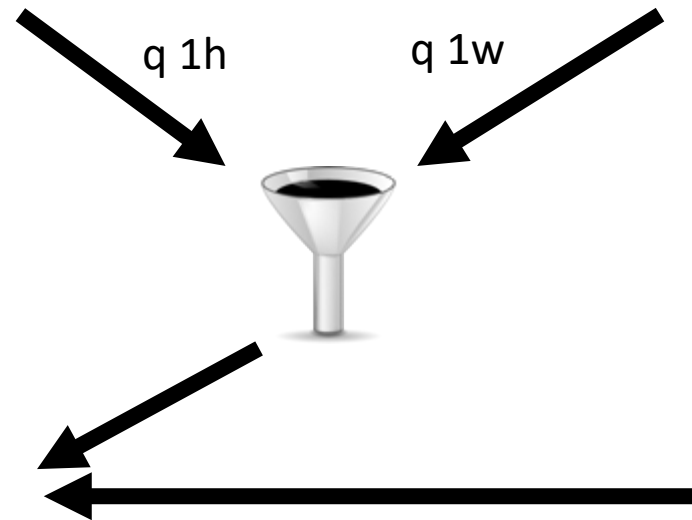
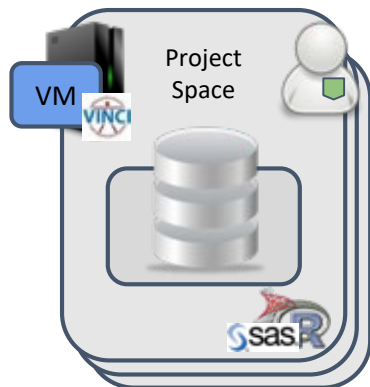
Transparency

National Surveillance Tool

CaseDetail
CaseLabChem
ChangeLog
IssueLog

VA COVID-19 Shared Data Resource

Patient
PreIndex...
PostIndex...
Supplement...
Comparison...



Dim...
Community...



Continual Improvement





Questions?



Preferred contact method:

VINCI@va.gov

Jeffrey Scehnet

Jeffrey.Scehnet@va.gov

Scott DuVall

scott.duvall@va.gov