

DATABASE & METHODS CYBERSEMINAR SERIES

Session 5:

Overview of CMS & USRDS Data from VIReC

February 7, 2022

Kristin de Groot, MPH
Project Director, VA/CMS Data for Research Project
VA Information Resource Center (VIReC)





OD DATABASE & METHODS CYBERSEMINAR SERIES

Informational seminars to help VA researchers access and use VA databases.

Sessions cover...

- VA data sources & data access systems
- Application of VA data to research and quality improvement questions
- Limitations of secondary data use
- Resources to support VA data use





UPCOMING DATABASE & METHODS SESSIONS

First Monday of the month | 1:00pm-2:00pm ET

Date	Topic
3/7/22	Ascertaining Veterans' Vital Status: Data Sources for Mortality Ascertainment and Cause of Death
4/4/22	Assessing Race and Ethnicity in VA Data
5/2/22	An Introduction to VA Pharmacy Data: Sources and Uses for Medication Information

Visit our Education page for more information & registration links:

https://bit.ly/39B1JUo

Visit HSR&D's VIReC Cyberseminar Archive to watch previous sessions:

https://bit.ly/3dZFJWG



Where can I download a copy of the slides?



SAMPLE EMAIL

Host: HSR&D Cyberseminars (cyberseminar@va.gov)

Event number (access code): 199 009 5117

Event password: 3844

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Join event

To join the audio conference only

To receive a call back, provide your phone number when you join the event, or call the number below and enter the access code.

USA Toll Number: 14043971596 Toll-free dialing restrictions:

https://www.webex.com/pdf/tollfree_restrictions.pdf

Access code: 199 009 5117

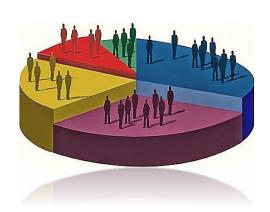
Please download today's slides

Please click here for today's live captions



Poll #1:

What is your primary role in projects using VA data?

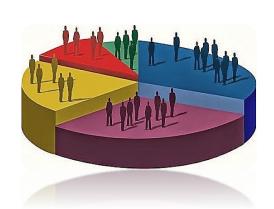


- Investigator, PI, Co-I
- Statistician, methodologist, biostatistician
- Data manager, analyst, or programmer
- Project coordinator
- Other please describe via the chat function



Poll #2:

How many years of experience working with VA data?



- None I'm brand new to this!
- One year or less
- More than 1, less than 3 years
- At least 3, less than 7 years
- At least 7, less than 10 years
- 10 years or more





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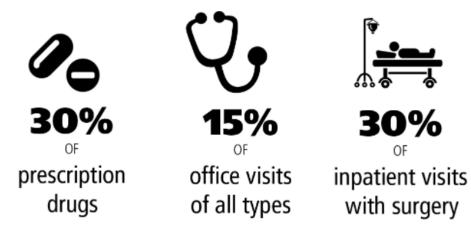
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Source of Veterans' Healthcare

In VHA

Figure 3. VA Patients Rely on VA for Only a Part of Their Health Care



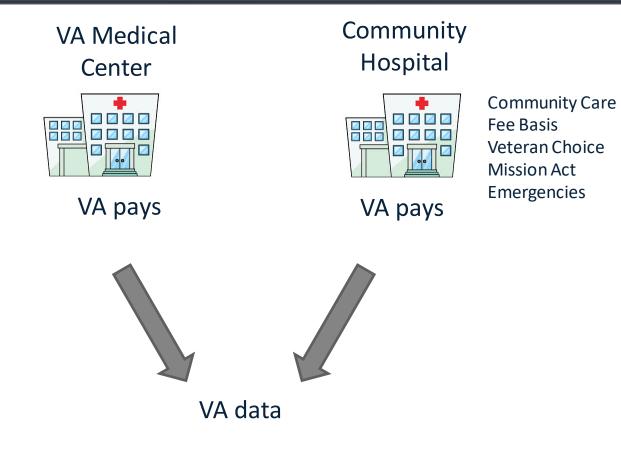
Balancing Demand and Supply for Veterans' Health Care. RAND Health Quarterly, 2016; 6(1):12. https://www.rand.org/pubs/periodicals/health-quarterly/issues/v6/n1/12.html

Outside of VHA

- VHA Community Care
- Tricare
- Private Insurance
- Medicare
- Medicaid



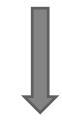
Where's the data?







Medicare or Medicaid pays



CMS data



What is CMS?

Centers for Medicare and Medicare Services

Subagency under Department of Health and Human Services

- Administers & oversees
 - Medicare
 - Federal portion of Medicaid
 - State Children's Health Insurance Program (SCHIP)
 - ACA Marketplace (healthcare.gov)
- Ensures that services are accessible and of high quality
- Develops health and safety standards for providers of health services provided through Medicare & Medicaid
- Health insurance portability standards (HIPAA)
- And more...



Objectives

- 1. Describe CMS and US Renal Data System (USRDS) data that can be used to assess Veterans' health services use outside VHA
- 2. Discuss strengths and limitations of several types of CMS data
- 3. Provide guidance on which CMS data may be most beneficial based on specific research objectives or cohorts
- 4. Explain how to access and where to find support for working with CMS data



History of CMS & USRDS data in VHA

VHA has been receiving data from CMS since 1990s

2009: VHA-CMS agreement updated

New agreement to allow sharing of USRDS data in VHA









2002: First formal agreement between VHA & CMS to share data

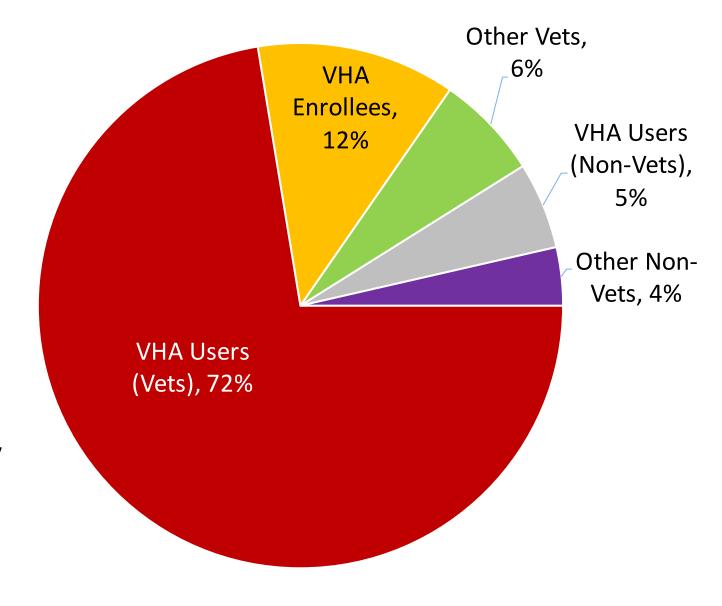
2022: Updates to agreements in progress



Who's included in the VHA's CMS data?

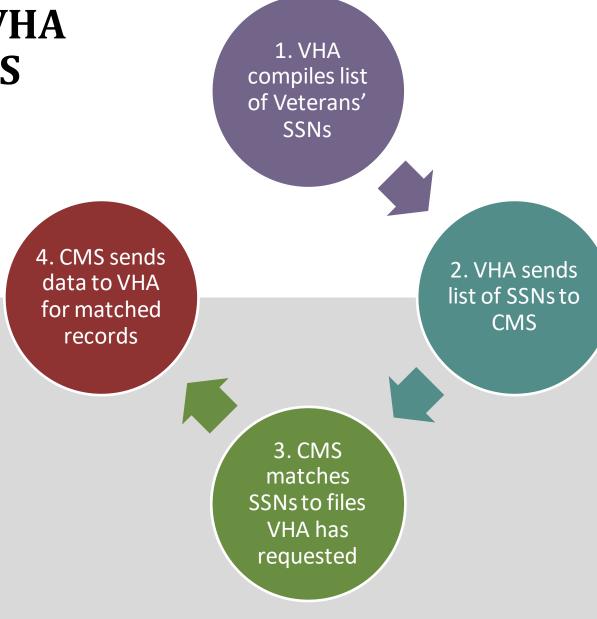
VHA Cohort

- Does NOT include all Veterans
- Includes
 - VHA users
 - VHA enrollees
 - Some recipients of VA benefits
- Includes some non-Veterans (family members, active DOD)
- Cumulative
- Alive and deceased





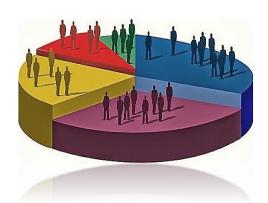
Process for VHA to obtain CMS data





Poll #3:

What types of CMS data have you <u>used</u>? (Select all that apply)

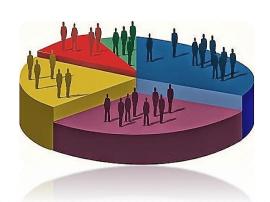


- Medicare utilization
- Medicaid utilization
- Medicare Advantage HEDIS
- Medicare survey (MCBS)
- Assessment data
- US Renal Data System (USRDS)
- Provider data



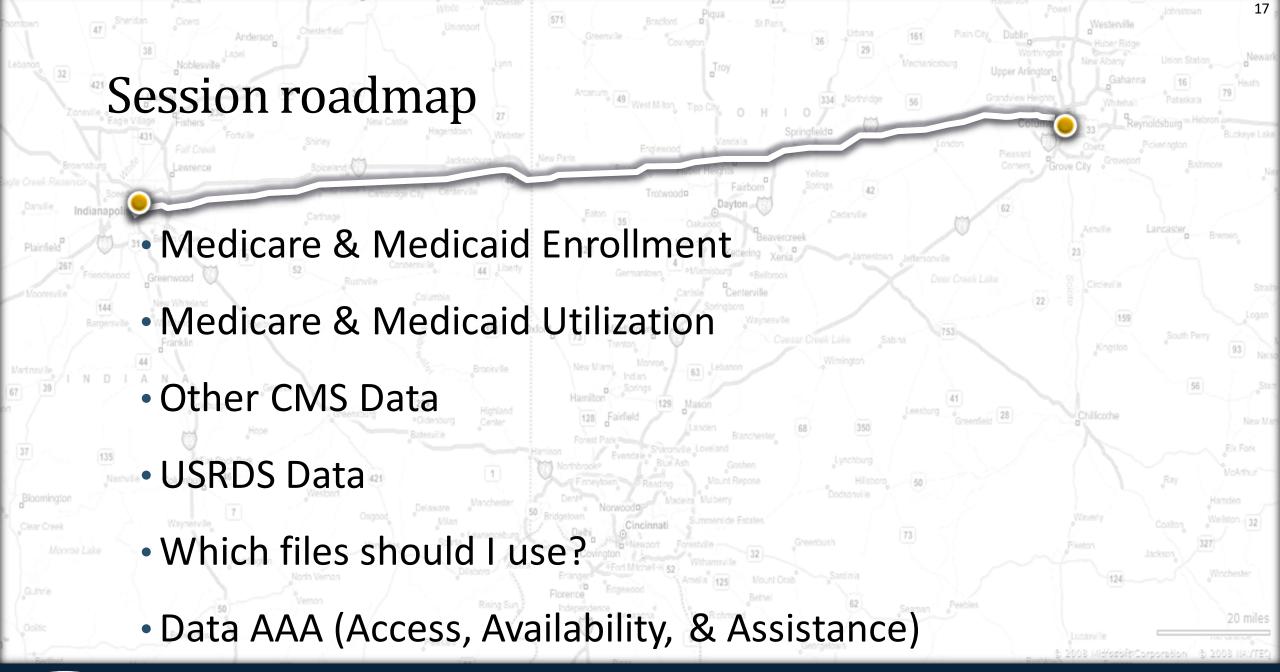
Poll #4:

What types of CMS data do you want to learn more about? (Select all that apply)

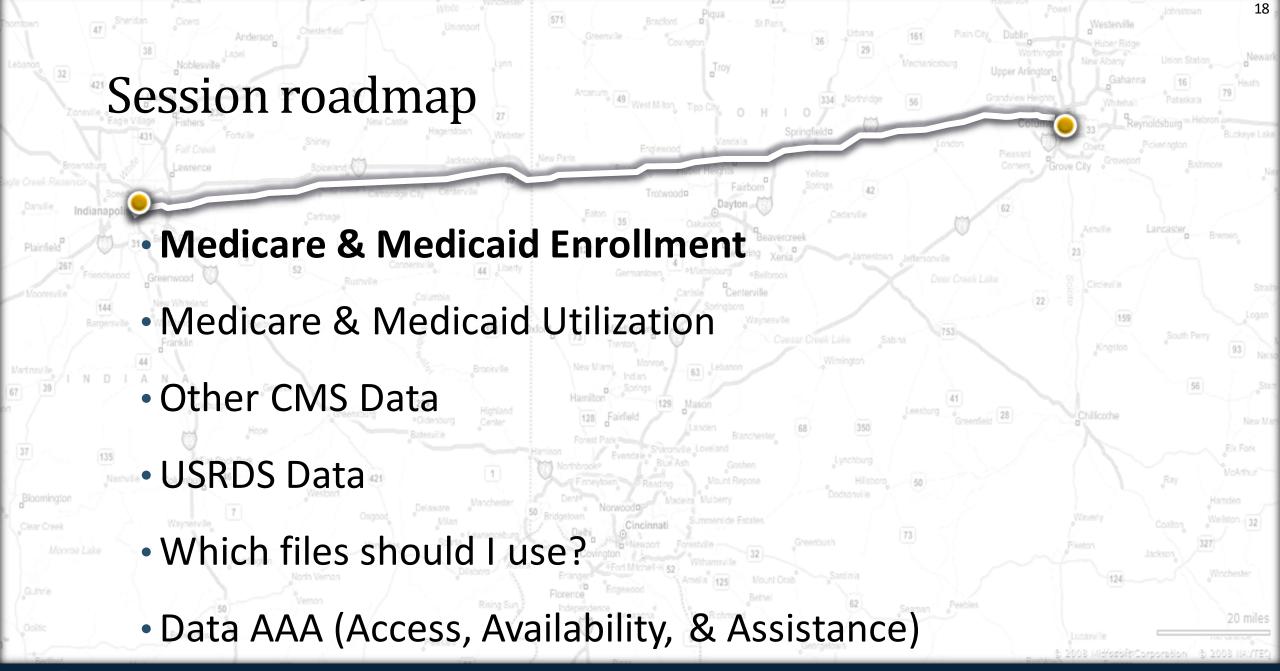


- Medicare utilization
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- US Renal Data System (USRDS)
- Provider data







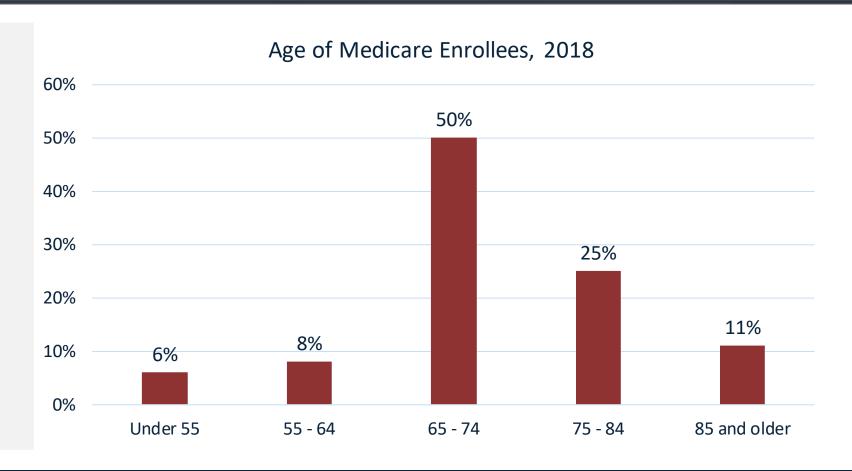




	Medicare
Administered by	CMS (federal)
Number enrolled (2018)	63 million
Population Covered	Age 65+ Disabled End Stage Renal Disease (ESRD)
Benefits	National set of benefits



Who is enrolled in Medicare?



Medicare enrollees with End Stage Renal Disease (ESRD)

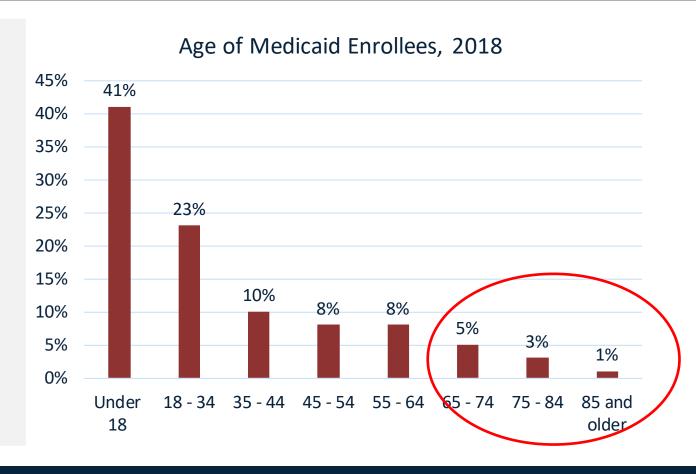
~600,000(1%)

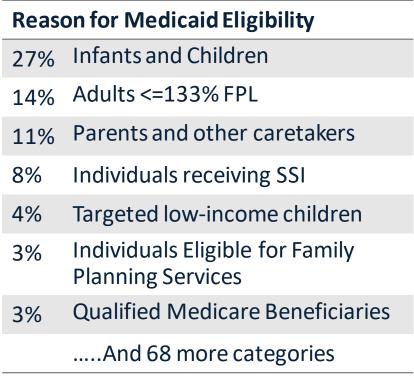


	Medicare	Medicaid
Administered by	CMS (federal)	States, with federal (CMS) requirements & funding
Number enrolled (2018)	63 million	99 million
Population Covered	Age 65+ Disabled End Stage Renal Disease (ESRD)	Varies by state, at minimum: Low income children, pregnant women, disabled, elderly
Benefits	National set of benefits	Varies by state, minimum set of benefits set by CMS



Who is enrolled in Medicaid?



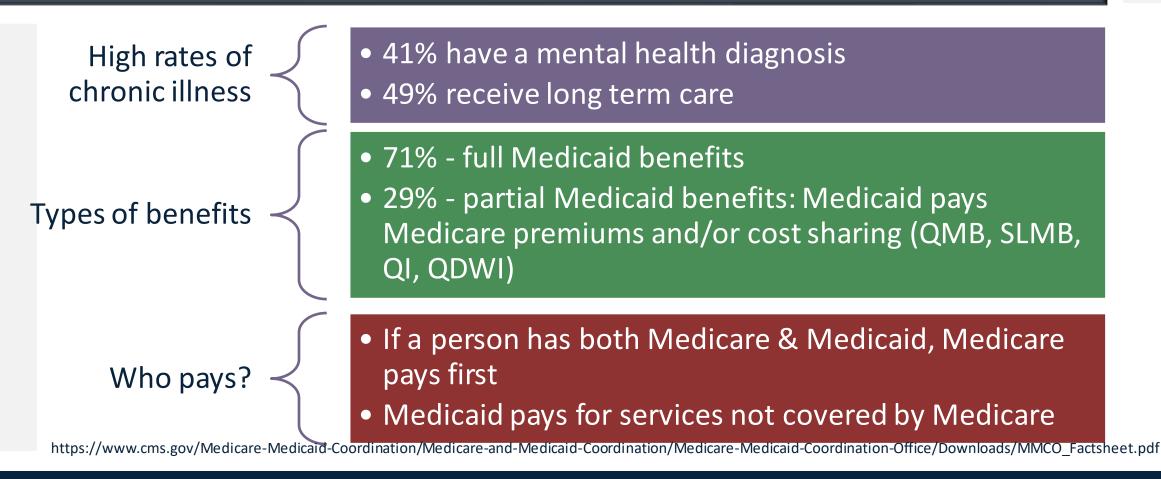




	Medicare	Medicaid
Administered by	CMS (federal)	Joint federal + state
Number enrolled (2018)	63 million	nillion ual gibles
Population Covered	Age 65+ Disabled End Stage Renal Disease (ESRD)	Varies by state, at minimum: Low income children, pregnant women, disabled, elderly
Benefits	National set of benefits	Varies by state, minimum set of benefits set by CMS



Medicare & Medicaid Dual Eligibles





Enrollment Data

Medicare

- One record per person, per calendar year
- 91% enrolled full year (2018)
- Monthly indicators for
 - Reason for eligibility
 - Medicaid (dual eligible)
 - Part A, Part B, Part D
 - Managed Care

Medicaid

- One record per person, per state, per calendar year
- 64% enrolled full year in 2018
- Monthly indicators for
 - Reason for eligibility
 - Medicare (dual eligible; Full/partial)
 - Waivers
 - Managed care
 - And more



Fee for Service (FFS) vs Managed Care (MC)

Medicare

- 36% in managed care in 2018
 - aka Medicare Advantage

Medicaid

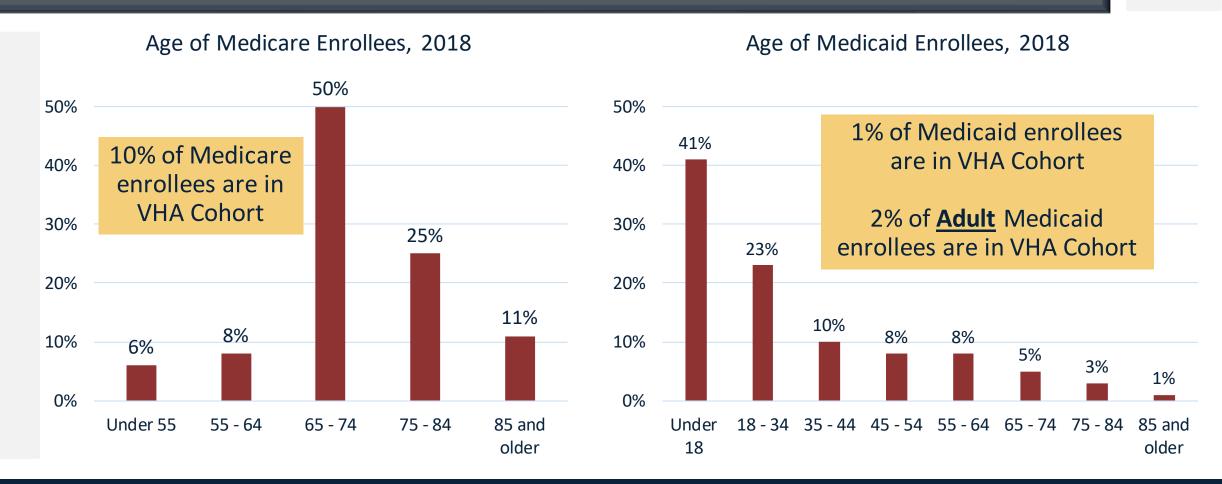
- 80% in managed care in 2018
- MC enrollment varies by state & reason for eligibility
- Many types of managed care
- A person could have different enrollment for different types of care



Veterans' Enrollment in Medicare & Medicaid

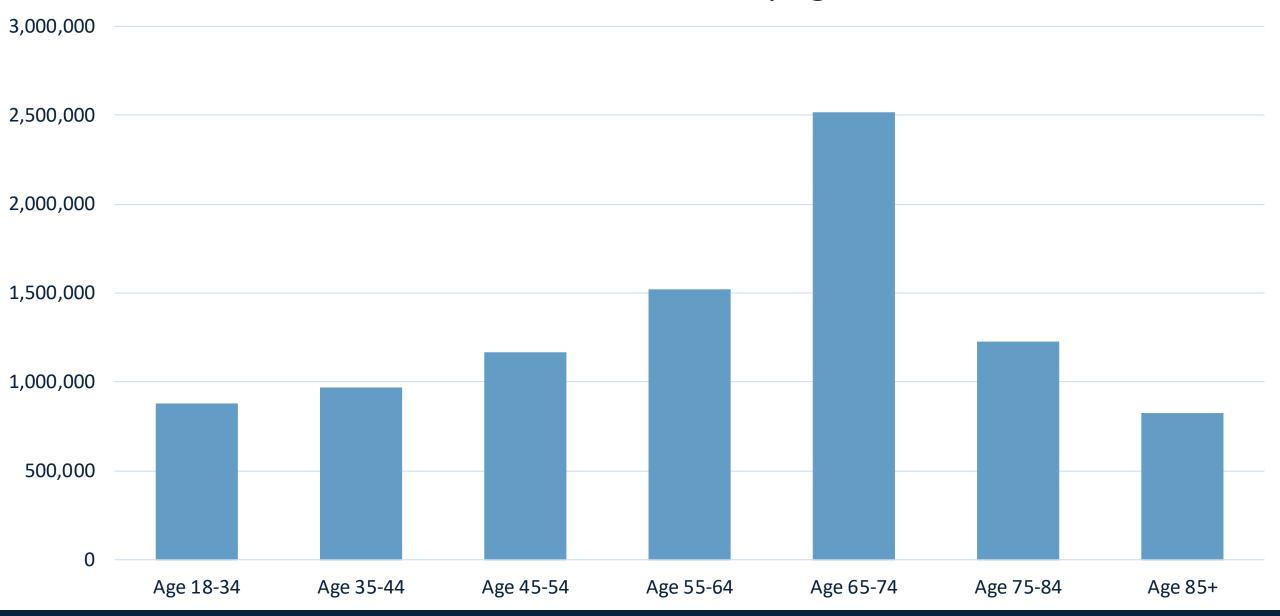


How many people enrolled in Medicare & Medicaid are in the VHA Cohort?



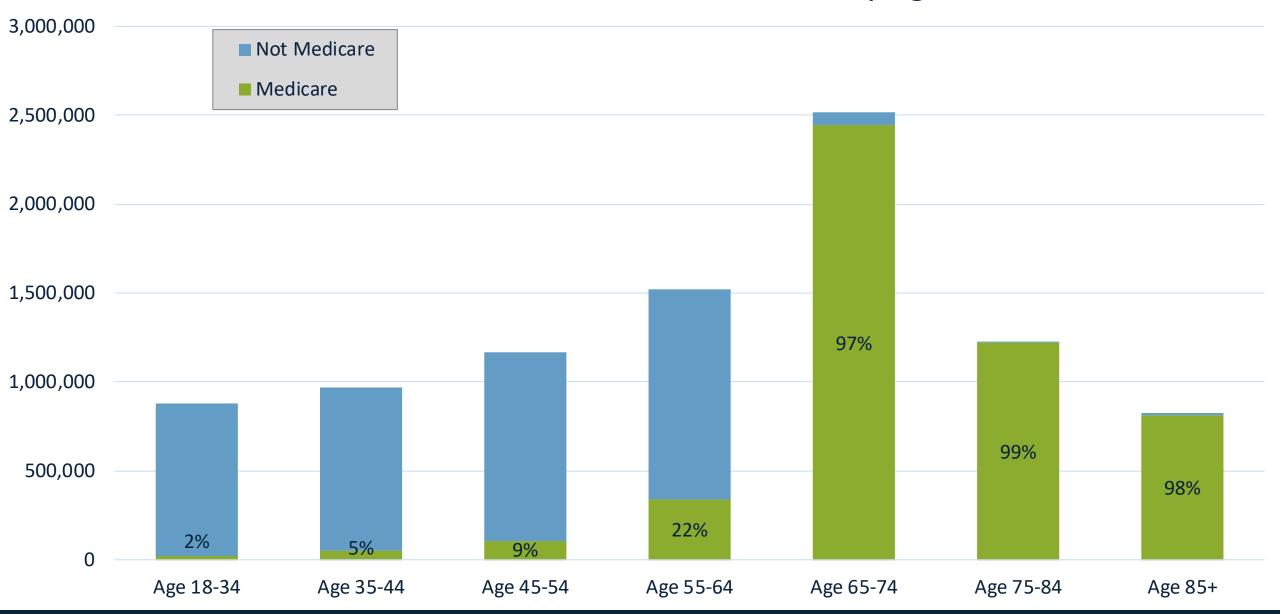


FY18 VHA enrollees, by age



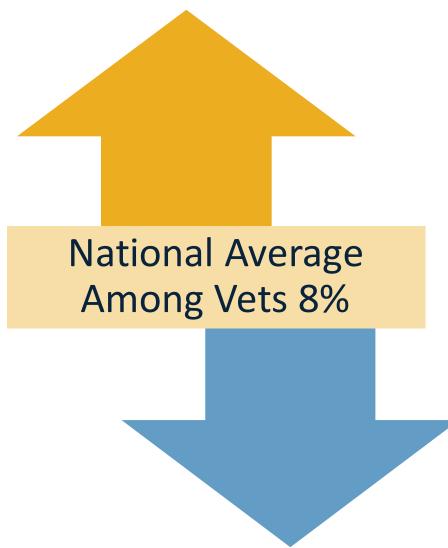


FY18 VHA enrollees' in Medicare, by age





Medicaid enrollment among VHA enrollees, by state, FY18



Highest

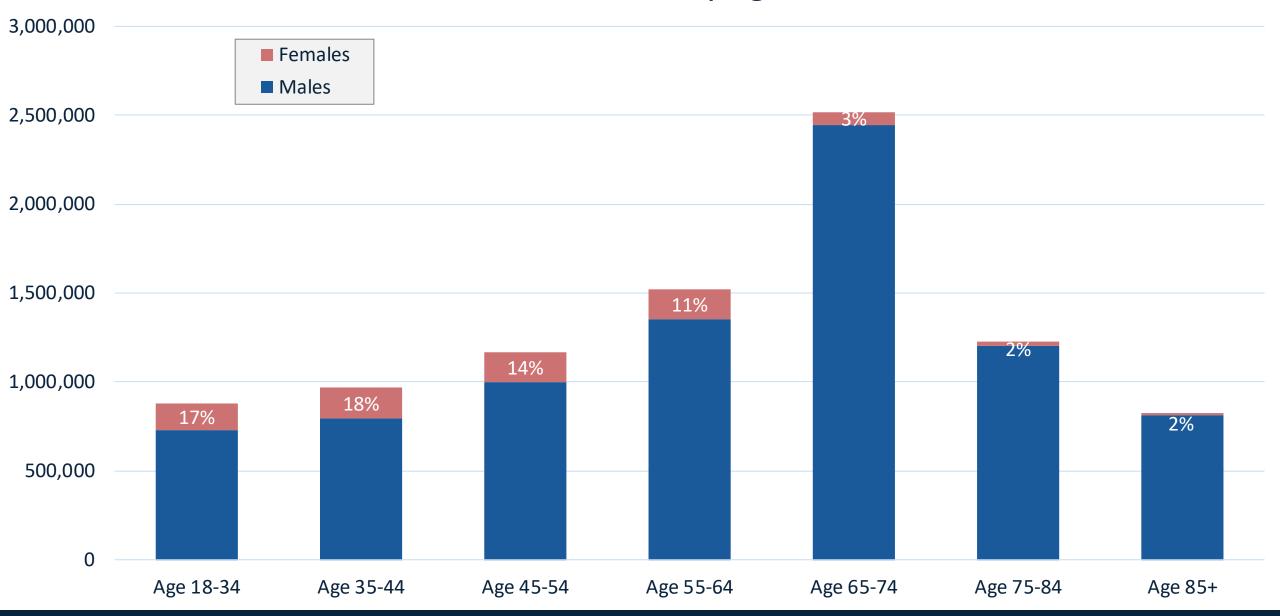
- 23% District of Columbia
- 17% Connecticut
- 14% New Mexico
- 12% California, Massachusetts, Maine, Vermont, New York

Lowest

- 5% Wyoming, Oklahoma, Missouri, New Hampshire, South Dakota
- 4% Texas, Virginia
- 3% Nebraska, Kansas, Utah

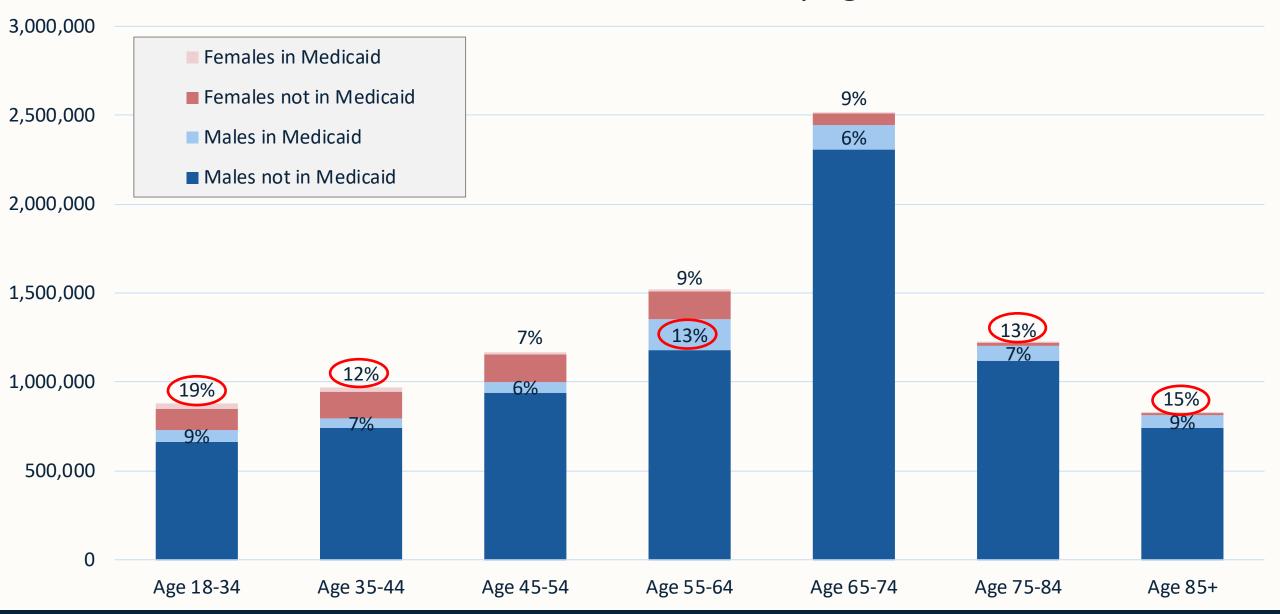


FY18 VHA enrollees, by age and sex



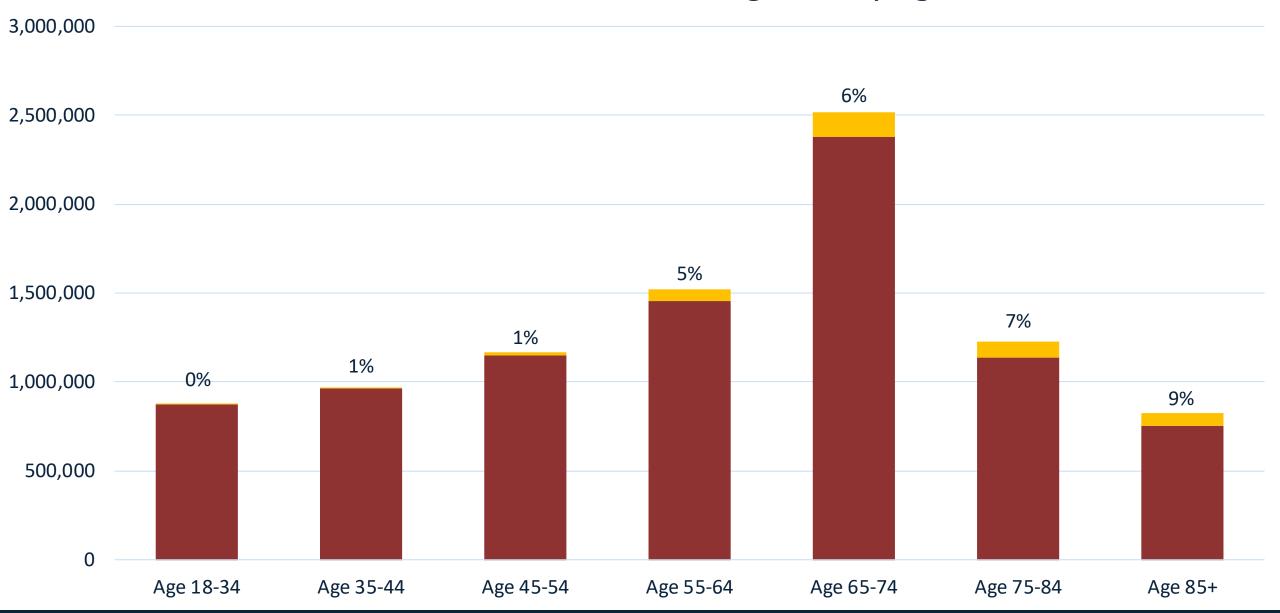


FY18 VHA enrollees in Medicaid, by age and sex

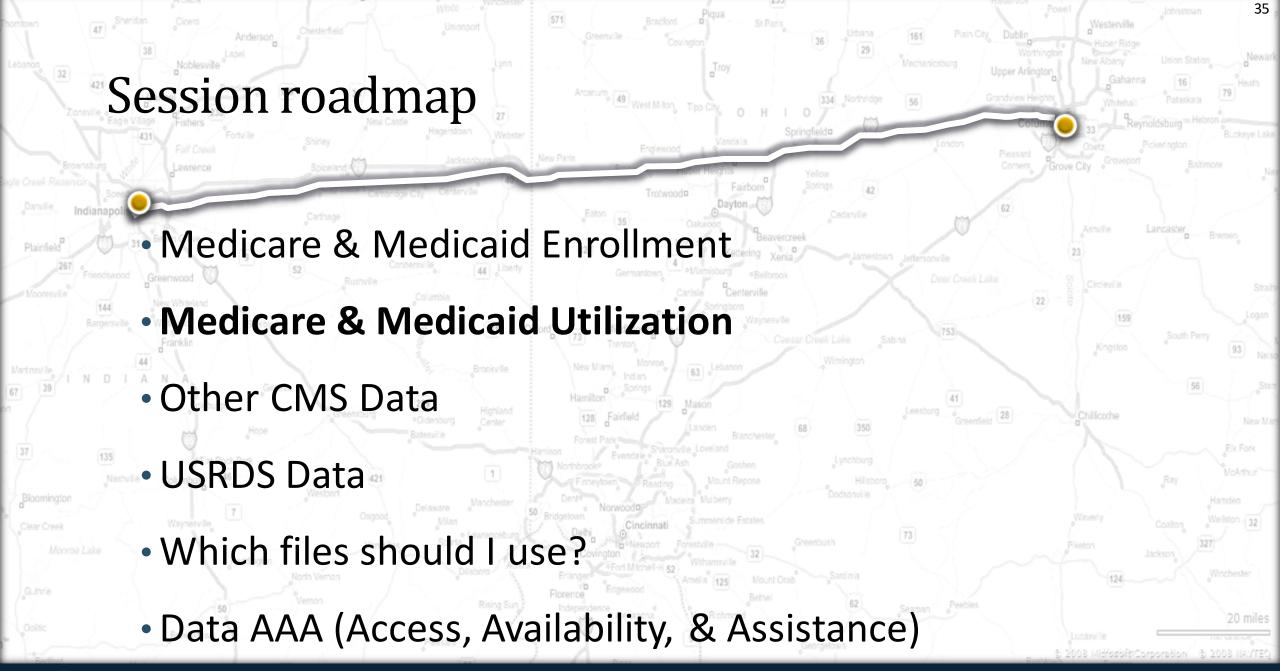




FY18 VHA Enrollees Dual Eligibles, by age

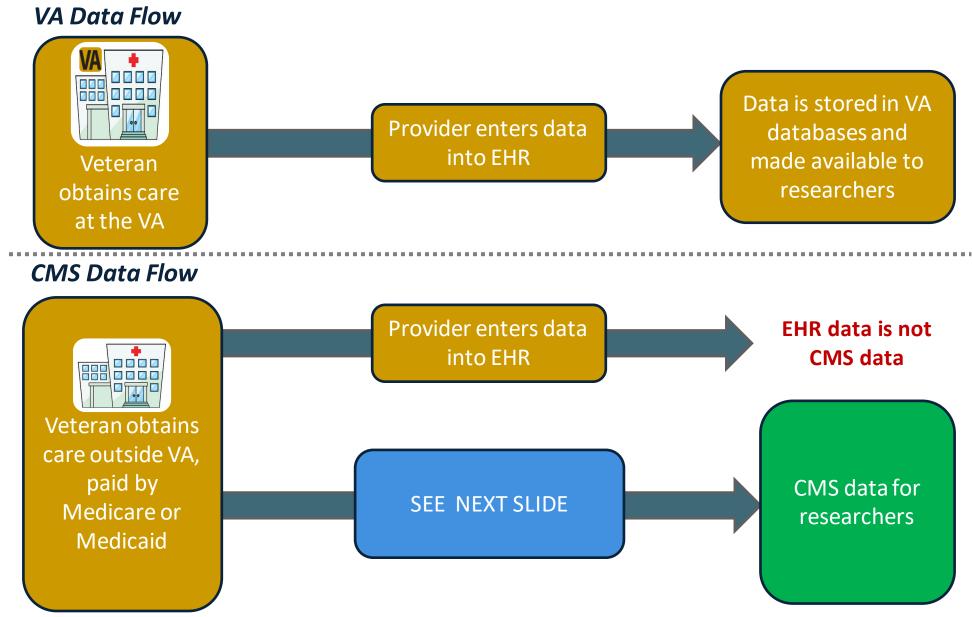






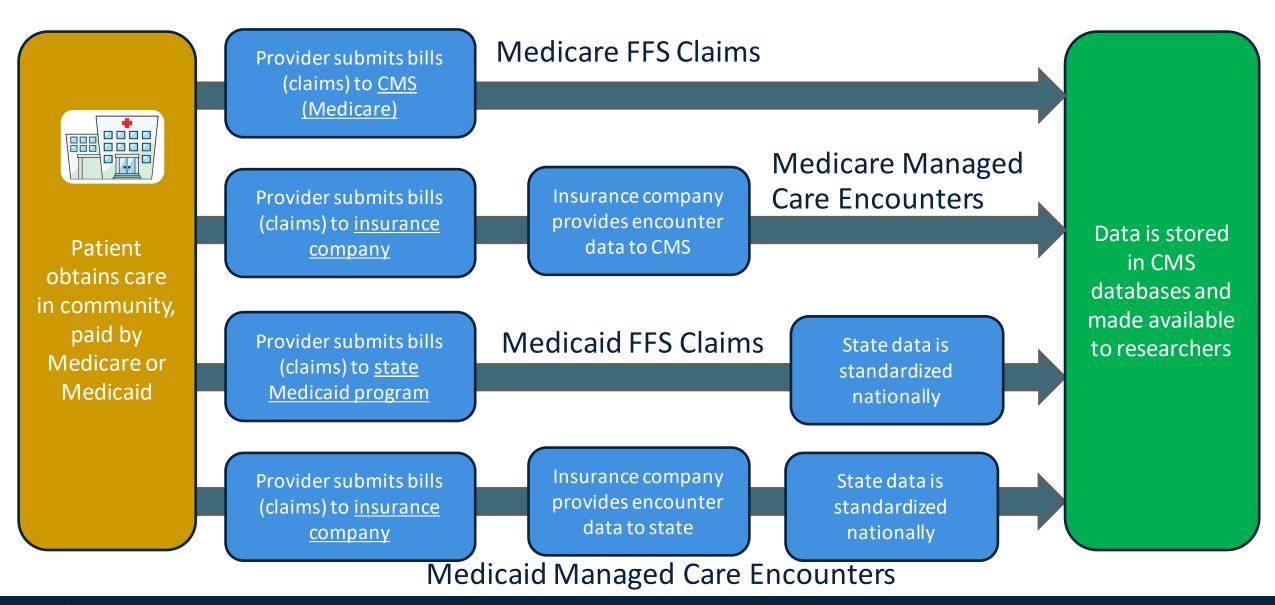


Source of VA, Medicare, & Medicare Data





Sources of Medicare & Medicaid Data





Utilization Data

Medicare

- FFS claims in separate files from managed care encounters
- Claims
 - Inpatient, SNF, Home Health, Outpatient, Carrier, DME, Hospice
- Encounters
 - Inpatient, SNF, Home Health, Outpatient, Carrier, DME
- Part D Events (started in 2006)

Medicaid

- FFS claims in same files as managed care encounters
- Claims + Encounters:
 - Inpatient
 - Long Term Care
 - Prescription Drug
 - Other Services (i.e. everything else)

SNF=Skilled Nursing Facility; DME=Durable Medical Equipment



Medicare Utilization

Strengths

- National enrollment criteria & benefits
- Most timely data (FFS)
- Very large number enrolled
 - Half of Veterans are enrolled
 - Almost everyone 65+
- Captures most care for 65+

Limitations

No clinical data



Considerations regarding Medicaid Data

- "Varies by state" 52 different programs
 - Eligibility
 - Benefits
 - Managed care options/requirements
 - Waivers

- Transition to data new system
 - Between 2013-2015 states
 transitioned to new system
 - Old data = MAX
 - New data = TAF
 - Structure of the data & variables are different
 - 2014-15 have data in both formats



Medicaid Data Quality



of Medicaid and CHIP data in

T-MSIS Analytic Files (TAF)

HOW TO USE DQ ATLAS

DQ (Data Quality) Atlas includes data quality information that supports insightful, methodologically sound analyses using the T-MSIS Analytic Files (TAF) Research Identifiable Files (RIF). Select one of the below pathways to explore key Medicaid and Children's Health Insurance Program (CHIP) topics such as enrollment, claims, expenditures, and service use.

EXPLORE BY TOPIC

View data quality assessments on topics such as enrollment, claims, expenditures, and service use.

EXPLORE BY STATE

View data quality assessments for a selected state for all available topics.

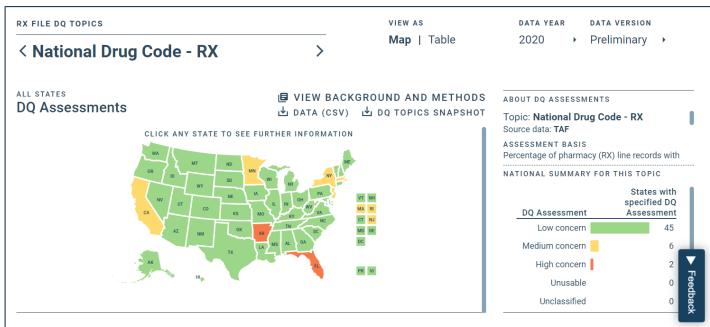
RESOURCES

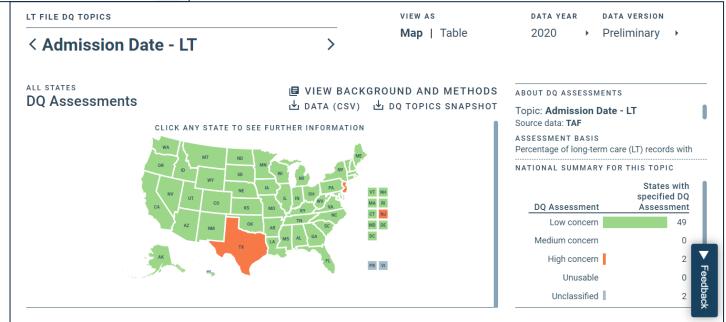
Learn more about DQ Atlas and how it can support your work.



https://www.medicaid.gov/dq-atlas/welcome









Medicaid Utilization

Strengths

Especially important when studying specific groups

- Disabled, mental illness
- Elderly, institutionalized
- Females

Limitations

- No clinical data
- Variation by state (eligibility, benefits, data quality)
- Compared to Medicare
 - Relatively small number of Veterans enrolled
 - Continuous coverage less common
 - Data is delayed



Resources

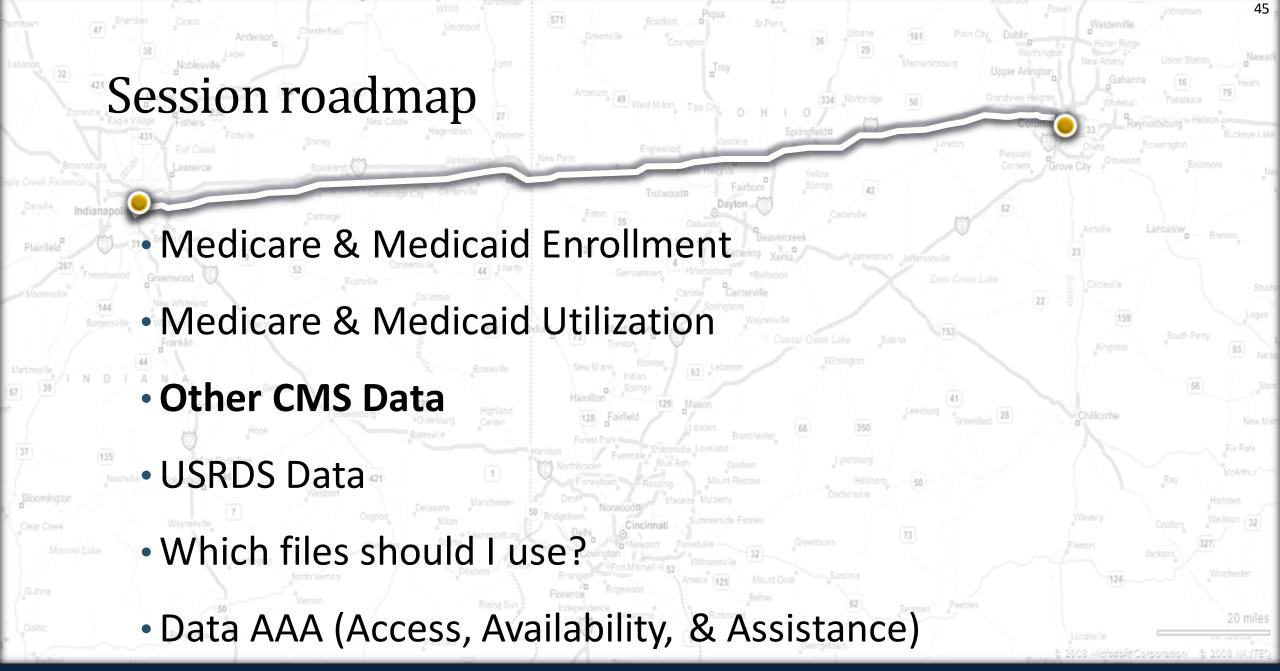
About Medicare: <u>www.cms.gov/Medicare</u>
/Medicare

Medicare beneficiaries: www.Medicare.gov

About Medicaid: www.Medicaid.gov

Medicaid beneficiaries: "Varies by state"







Ensuring accessible and high-quality healthcare

Plan Quality Measures

Medicare Advantage HEDIS

Beneficiary Surveys

MCBS

Quality Initiatives

Patient Assessment Instruments



Medicare Advantage HEDIS

Healthcare Effectiveness Data and Information Set

- Tool used by health plans to measure quality of care
- One record per person, per plan, per calendar year
 - Can be used to summarize amount and types of utilization
- Examples
 - Received eye exam? Knee replacement?
 - Number of hospitalizations, length of stay
 - Received certain medications



Medicare Advantage HEDIS

Strengths

- More timely than Medicare encounter data when studying utilization for managed care enrollees
- Good for high level/summary information

Limitations

- No dates
- No diagnosis or procedure codes
- No provider information



Medicare Current Beneficiary Survey

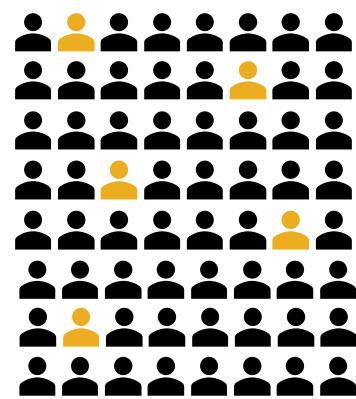
(MCBS)

- Annual survey since 1991
- In person interviews
- Includes
 - Satisfaction with care and usual source of care
 - Social determinants of health
 - Outcomes
 - Health insurance coverage (beyond Medicare)
 - Total healthcare events and expenditures from all payers



MCBS Sample

- Nationally representative of Medicare enrollees
 - Over-samples subgroups of interest
- Some questionnaires specific to individuals living in a facility
- Rotating panel design
- Beneficiaries participate for 4 years
- N=15k in 2018
 - 11% can be matched to VHA cohort





Types of MCBS Data

Survey File

- Demographics, household, insurance, health status & functioning
- Usual source of care, access & satisfaction with care
- Summary of FFS claims

 Similar to "Access to Care" module <=2013

Cost Supplement

- All patient reported healthcare events and amount paid by all payers
- Includes Medicare FFS claims

Similar to "Cost and Use" module
 <=2013



MCBS Questions of Interest in VA Research

- Military Service
 - Did you ever serve in the Armed Forces of the United States?
 - Which time period(s) did you serve in the Armed Forces?
 - Were you even an active member of a National Guard or military reserve unit of the United States?

- VHA vs community as source of care
 - Usual source of care
 - Satisfaction with care
 - Access to care



MCBS

Strengths

- Information that can't be captured elsewhere
- All healthcare captured
- Compare Veterans inside and outside of VHA

Limitations

Not ideal for Veteran-only studies



Resources

Medicare Current Beneficiary Survey (MCBS)



If you have been contacted to participate in the Medicare Current Beneficiary Survey (MCBS) and would like to verify your selection in this study, please contact NORC toll free at 1-844-777-2151. If an interviewer has contacted you and you would like to verify them, please visit our respondent care website at NORC Respondent Care Center,

call 1 (866) 856 - 6672 (NORC), or email <u>surveyhelp@norc.org</u>.

You can also visit our respondent website at https://mcbs.norc.org/

This survey is authorized by section 1875 (42 USC 139511) of the Social Security Act and is conducted by NORC for the U.S.

Department of Health and Human Services. The OMB Number for this survey is 0938-0568 and expires 02/29/2024.

The Medicare Current Beneficiary Survey (MCBS) is a continuous, multipurpose survey of a nationally representative sample of the Medicare population, conducted by the Office of Enterprise Data and Analytics (OEDA) of the Centers for Medicare & Medicaid Services (CMS) through a contract with NORC at the University of Chicago. The central goals of the MCBS are to determine expenditures and sources of payment for all services used by Medicare beneficiaries, including co-payments, deductibles, and non-covered services; to ascertain all types of health insurance coverage and relate coverage to sources of payment; and to trace outcomes over time, such as changes in health status and spending down to Medicaid eligibility and the impacts of Medicare program changes on satisfaction with care and usual source of care. The MCBS provides important information on health outcomes and social determinants of health not available in the administrative program data.

For researchers

https://www.cms.gov/Research-Statistics-Data-and-Systems/Research/MCBS





WHAT IS THE MCBS? WHAT CAN I

For respondents

https://mcbs.norc.org/



Assessment Data

aka Patient Assessment Instruments

- Standardized forms
- Assesses health and functional status of patient
- Information collected on patients at various points of care (admission, quarterly, at discharge, etc.)
- Purposes
 - Tracking/planning patient care
 - Measuring quality of care at the facility/provider
 - May determine provider payment (dependent on patient's health status and needs)



Types of Questions on Assessment Instruments

- Functional Abilities
 - Activities of Daily Living (ADLs)
 - Mobility
 - Eating & elimination
 - Hearing, Speech, Vision
- Cognitive Patterns, Mood, Behavior
- Health conditions & diagnoses
- Treatments, therapies, planned care



Type of Provider	Assessment Form/File	Which patients?	N in 2018 (% Vets)
Inpatient Rehab Facility	Inpatient Rehabilitation Facility - Patient Assessment Instrument (IRF-PAI)	Required for all stays paid by Medicare FFS & MA	421,549 (13%)
Home Health Agencies	Outcome and Assessment Information Set (OASIS)	Required for all care paid by Medicare FFS, MA, or Medicaid	6,013,527 (9%)
Nursing Facilities	Resident Assessment Instrument (RAI) Minimum Data Set (MDS)	Required for all stays in CMS certified nursing facilities, regardless of payer	3,982,379 (12%)



Which facilities are included in MDS data?

CMS MDS data

- Community nursing homes
 - Paid by Medicare, Medicaid, private insurance, self pay, VA, etc.
- Some State Veterans Homes
 - If certified by CMS

VA MDS data

- VA Community Living Centers (CLCs)
- State Veterans Homes
 - Could overlap with CMS MDS data
- NOT VA paid stays in community nursing homes



Assessment Data

Strengths

- Functional status
- All nursing facility stays, regardless of payer

Limitations

Details not needed by all projects



MINIMUM DATA SET (MDS) - Version 3.0 Resources RESIDENT ASSESSMENT AND CARE SCREENING Nursing Home Comprehensive (NC) Item Set Section A A0050. Type of Record Add new record → Continue to A0100. Facility Provider Numbers Modify existing record → Continue to A0100, Facility Provider Number: Inactivate existing record → Skip to X0150, Type of Provider A0100. Facility Provider Numbers A. National Provider Identifier (NPI) Home Health Patient Tracking Sheet (M0010) CMS Certification Number: A0200. Type of Provider Foter Code Type of provider (M0014) Branch State: Nursing home (SNF/NF) 2. Swing Bed A0310. Type of Assessmen (M0016) Branch ID Number: A. Federal OBRA Reason for Assessment (M0018) National Provider Identifier (NPI) for the atten-02. Quarterly review assessment Annual assessment Significant change in status assessment DEPARTMENT OF HEALTH AND HUMAN SERVICES OMB No. 0938-0842 Significant correction to prior compreh INPATIENT REHABILITATION FACILITY - PATIENT ASSESSMENT INSTRUMENT 99. None of the above (M0020) Patient ID Number PPS Assessment PPS Scheduled Assessments for a Medicare I . 5-day scheduled assessment Facility Information Payment Source (M0030) Start of Care Date: 02 - Medicare Fee For Service; 51- Medicare-Medicare Advantag 14-day scheduled assessment A. Facility Name 03. 30-day scheduled assessment 99 - Not Listed) dav 04. 60-day scheduled assessment A. Primary Source 90-day scheduled assessment B. Secondary Source PPS Unscheduled Assessments for a Medicare (M0032) Resumption of Care Date: Unscheduled assessment used for PPS (99. None of the above Patient Name: PPS Other Medicare Required A B. Facility Medicare Provider Number Start of therapy assessment Patient Medicare Number ondition requiring admission to rehabilitation; code according to Appendix A Patient Medicaid Number Both Start and End of therapy assessmen Patient First Name (M0050) Patient State of Residence: (Use ICD codes to indicate the etiologic problem that led to the condition for which the patient is Patient Last Name Patient Identification Number (M0060) Patient ZIP Code: Birth Date MM / DD / YYYY MM / DD / YYYY Comorbid Conditions (M0063) Medicare Number: Use ICD codes to enter comorbid medical conditions Gender (1 - Male: 2 - Female) (M0064) Social Security Number: (1 - Never Married; 2 - Married; 3 - Widowed, 4 - Separated; 5 - Divorced) (M0065) Medicaid Number: Zip Code of Patient's Pre-Hospital Residence Admission Date (M0066) Birth Date: MM/DD/YYYY Assessment Reference Date MM/DD/YYYY Admission Class 4 - Unplanned Discharge; 5 - Continuing Rehabilitation) 4A. Are there any arthritis conditions recorded in items #21, #22, or #24 that meet 5A. Admit From all of the regulatory requirements for IRF classification (in 42 CFR 412.29(b)(2)(x), (xi), and (xii))? (01- Home (private home/apt., board/care, assisted living, group home, transitional living, other residential care arrangements); 02- Short-term General Hospital; 03 - Skilled Nursing Facility (SNF); 04 - Intermediate care: 06 - Home under care of organized home health service Height and Weight organization; 50 - Hospice (home); 51 - Hospice (medical facility); 61 -(While measuring if the number is X.1-X.4 round down, X.5 or greater Swing bed: 62 - Another Inpatient Rehabilitation Facility: round un) 63 - Long-Term Care Hospital (LTCH); 64 - Medicaid Nursing Facilit 5A. Height on admission (in inches) 65 - Inpatient Psychiatric Facility: 66 - Critical Access Hospital (CAH): 6A. Pre-hospital Living Setting Measure weight consistently, according to standard facility practice Use codes from 15A. Admit From (e.g., in a.m. after voiding, with shoes off, etc.) Pre-hospital Living With (Code only if item 16A is 01- Home: Code using 01 - Alone; 02 - Family/Relatives; 03 - Friends; 04 - Attendant; 05 - Other)

https://www.cms.gov/Medicare/Medicare

Quality Initiatives/Patient Assessment Instruments

Meaningful-Measures-Framework

Value-Based Programs

ESRD Quality Incentive Program

ASC Quality Reporting

Measures Management System

Hospice Quality Reporting Program

Home Health Quality Reporting Program

Inpatient Rehabilitation Facility Quality Reporting Program

Long Term Care Hospital Quality Reporting Program

Nursing Home Quality Initiative

Skilled Nursing Facility Quality Reporting Program

Physician Compare Initiative

Quality Payment Program (QPP)

Quality Measures

Post-Acute Care Quality Initiatives



Public Use Files

Available on SAS Grid libname CMS_PBLC

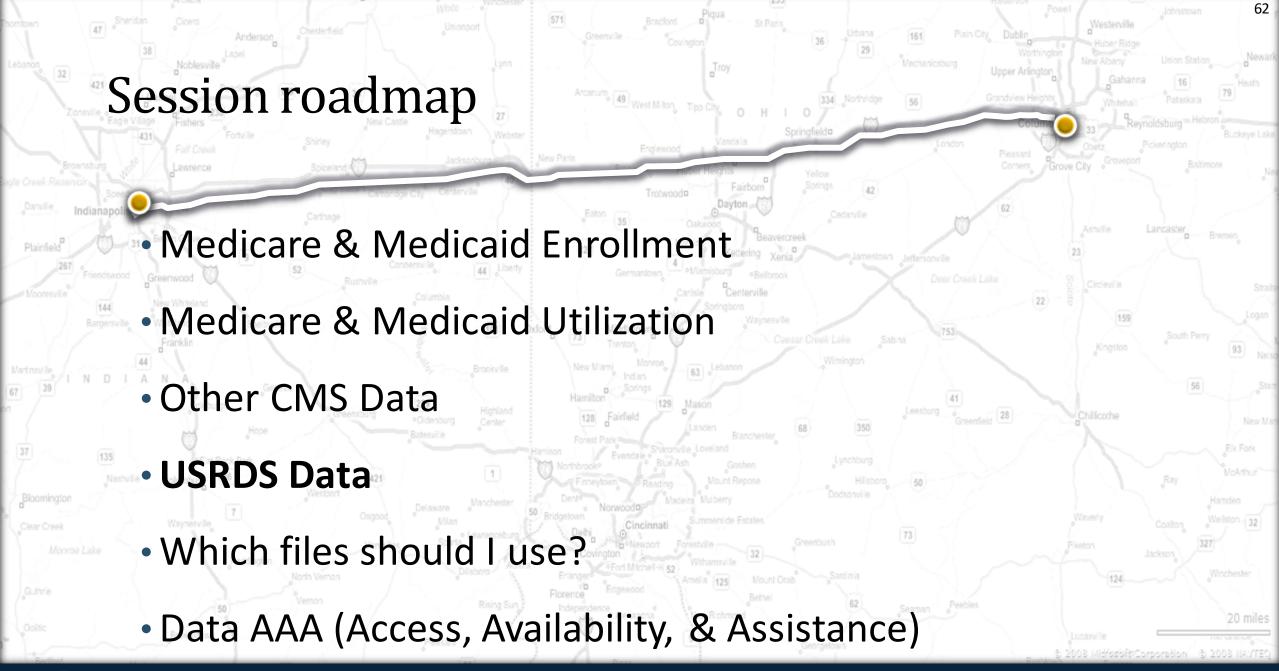
- Providers of Services file
 - Facilities/Institutional providers
- UPIN (until 2007)
 - Individuals
- National Provider Identifier (NPI)

vaww.virec.research.va.gov/VACMS/Provider/Data.htm

Downloadable from CMS

- data.cms.gov
- Medicare Part D Prescription Drug Plan Formulary, Pharmacy Network, and Pricing Information Files
 - https://www.cms.gov/Research-Statistics-Data-and-Systems/Files-for-Order/NonIdentifiableDataFiles/Prescription DrugPlanFormularyPharmacyNetworkandPricingInformationFiles







Dept of Health and Human Services

Session 5:

Overview of CMS & USRDS Data from VIReC

February 7, 2022

National Institute of Health (NIH)

Goals of USRDS

- Define and describe the ESRD population
- Study treatments, outcomes, costs of ESRD
- Support investigator-initiated research

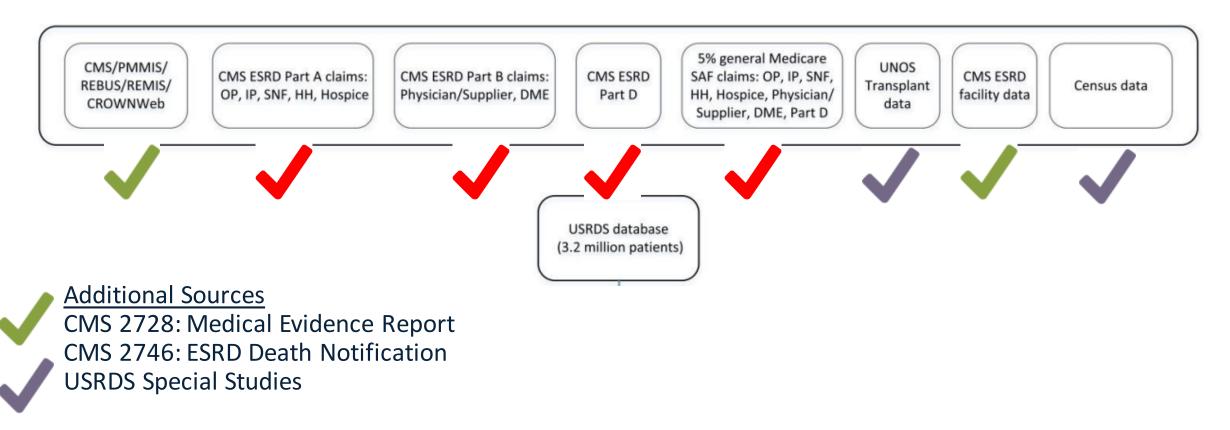
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

US Renal Data System (USRDS)



Why are CMS data and USRDS often talked about together?

Figure 1. Structure of the USRDS database



Source: 2020 Researcher's Guide to the USRDS Database; https://www.usrds.org/media/2482/2020_usrds_researcher_guide.pdf



Who is included in the USRDS Database?

- All ESRD patients, not just
 Medicare enrollees
 - Medical Evidence Report (CMS Form 2728) was completed by a physician
 - Chronic dialysis
 - Kidney transplant
- Does not include patients with acute kidney failure

- Cumulative since mid 1960s
- 3.2 million patients (all years)
- 132k new patients in CY2018
 - 10% in VHA cohort



USRDS Curated Files

Core Files

- Most commonly used; needed to use other files
- Patient
- Medical Evidence
- Treatment history
- Payer history
- Transplant & waitlist

Transplant Files

- Detailed transplant data from CMS and United Network for Organ Sharing (UNOS)
- Donor information
- Transplant Followup

Hospital Files

- Medicare Inpatient claims
- Doesn't include costs



USRDS Special Studies

- Clinical Performance Measures (CPM) Survey
- Comprehensive Dialysis Survey (CDS)

CROWNWeb Clinical

- Consolidated Renal Operations in a Web Enabled Network
- Clinical data collected from Medicare-certified dialysis facilities



Medicare Claims from USRDS

Claims 2-5 years Pre-ESRD diagnosis Inpatient
Skilled Nursing
Facility
Home Health
Hospice
Outpatient
Carrier
DME
Part D

Claims Post-ESRD diagnosis (all years)



USRDS Data

Strengths

- Clinical info for patients treated outside VHA (including Medicare)
- Easy to find Medicare paid treatments
- ESRD treatments paid by private insurance

Limitations

- Only contains complete healthcare data for Medicare FFS enrollees
- Some data overlaps with Medicare data



Resources

www.usrds.org



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Annual Data Report Previous ADRs → ESRD Quarterly Update For Researchers → Data Query Tools → Publications

Researcher's Guide

Researcher's Guide

The 2020 Researcher's Guide to the USRDS Database is currently available. The downloadable PDF files containing the chapters are in Adobe Acrobat™. You will need the Acrobat Reader to view the documents.

2020 Researcher's Guide to the USRDS Database

Appendix A: USRDS Products and Services

Appendix B: Data File Descriptions

For Researchers

Simple Data Requests

Standard Analysis Files

Merged Data Requests

Researcher's Guide

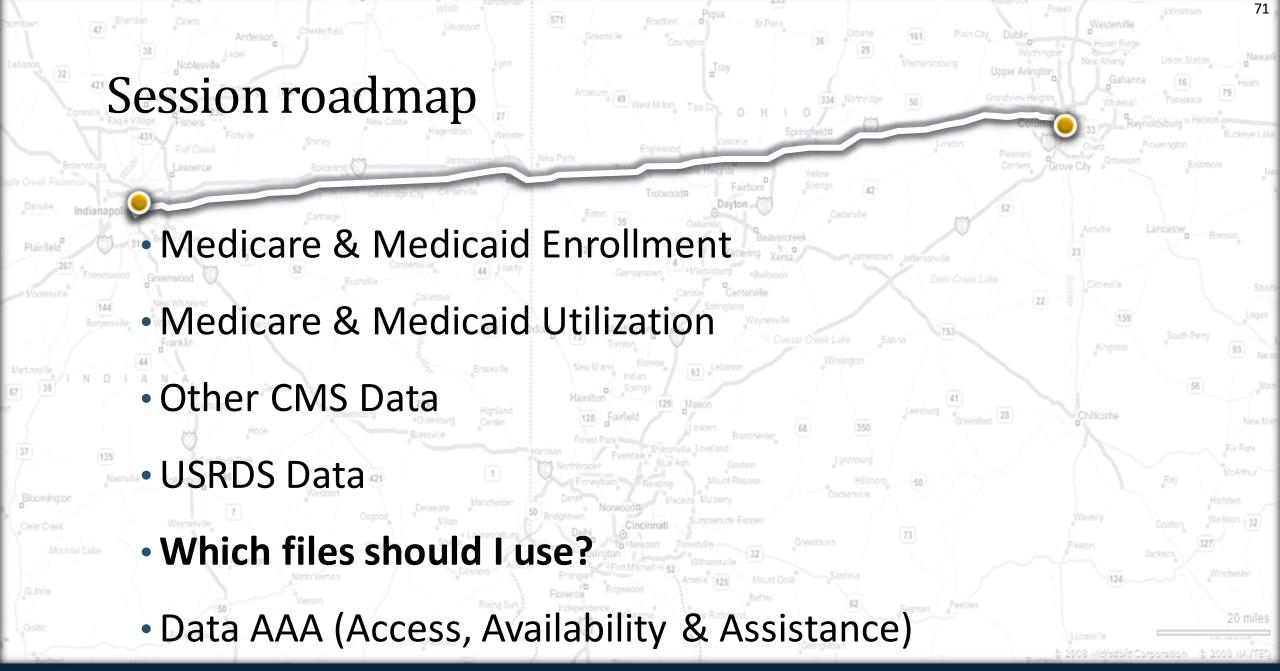
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2021 Annual Data Report

Table of Contents

- Introduction
- · Navigating the 2021 ADR
- · Chronic Kidney Disease
 - Ch 1: CKD in the General Population
 - Ch 2: Identification and Care of Patients with CKD
 - Ch 3: Morbidity and Mortality in Patients with CKD
 - Ch 4: Acute Kidney Injury
 - Ch 5: CKD Among Children and Adolescents
 - Ch 6: Healthcare Expenditures for Persons with CKD
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 - · Analytical Methods
- · Supplements: COVID-19; Racial and Ethnic Disparities
 - o Ch 13: COVID-19
 - o Ch 14: Racial and Ethnic Disparities







Which files should I use?

Nursing Facilities

CMS MDS

Medicare SNF

Medicaid LTC

Prescription drugs

Medicare Part D

Medicaid RX

Patients with ESRD

USRDS

Medicare



Considerations when studying care in **nursing facilities**

CMS MDS

- All payers
- Will be overlap with other data sources
 - State veteran homes (overlap with VA MDS)
 - Medicare & Medicaid

Medicare SNF

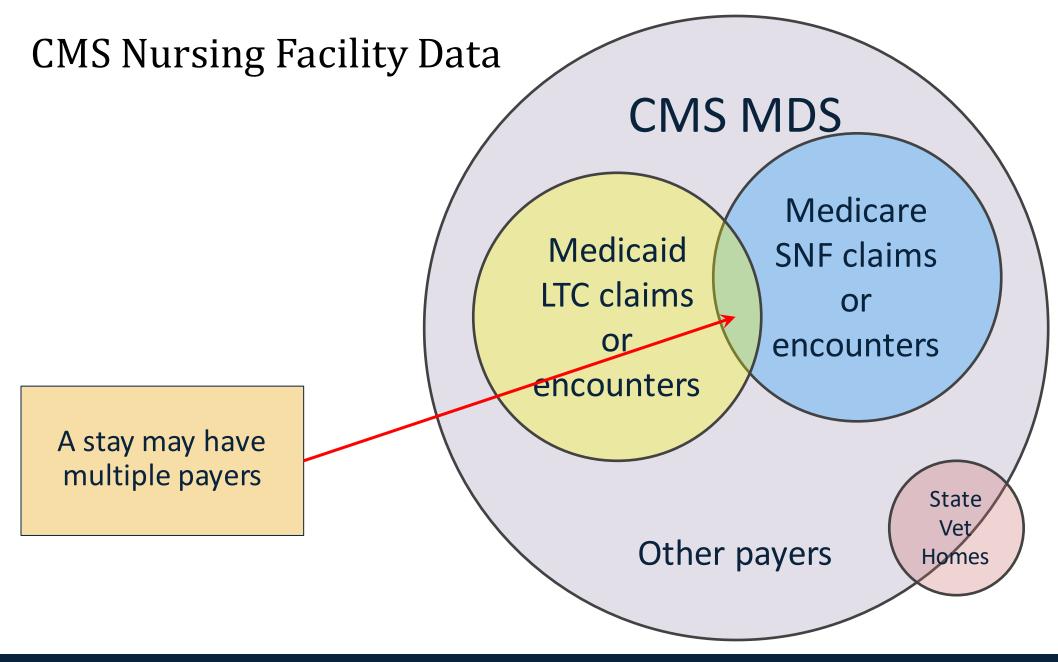
- Medicare doesn't cover all stays in nursing facilities
 - Skilled Nursing only
 - No custodial care
 - Max 100 days
 - Requires qualifying hospitalization

Medicaid LTC

Only low-income patients

hospitalization Portions of a stay may be paid first by Medicare, then Medicaid

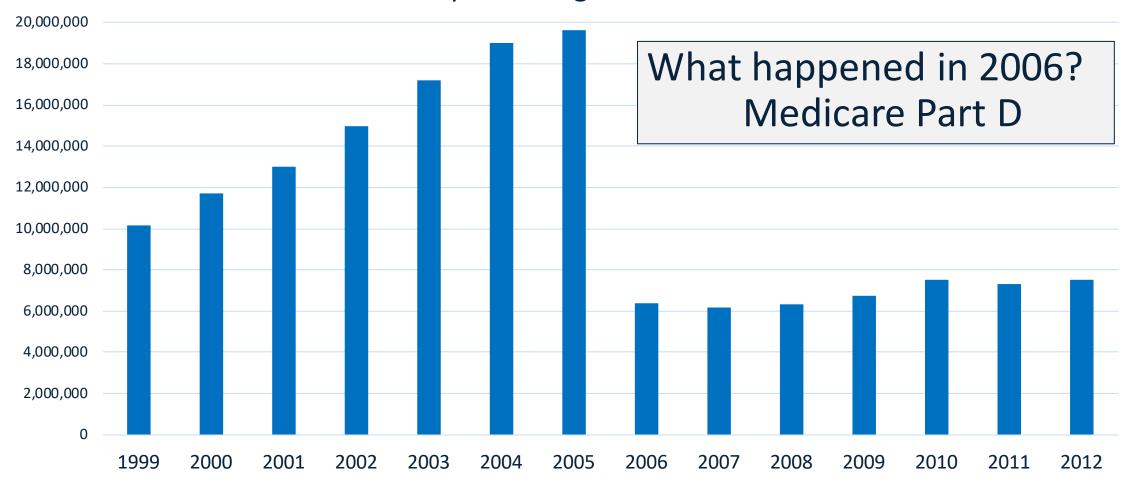






CMS Prescription Drug Data

Medicaid Prescription Drug Records for VHA Cohort





Considerations when studying **prescription drugs**

Dual Eligibles

- Medicaid <2006
- Medicare 2006forward

VHA-Medicare Enrollees

 Only half of Medicare enrolled
 Veterans have Part D Coverage

Prescriber

- Drugs prescribed by VA physician are filled in VA
- Drugs prescribed by non-VA physician are filled outside VA



Considerations when studying **patients with ESRD**

USRDS specific files

- Gold standard for ESRD diagnosis
- Only source of detailed & clinical data

Medicare claims from USRDS

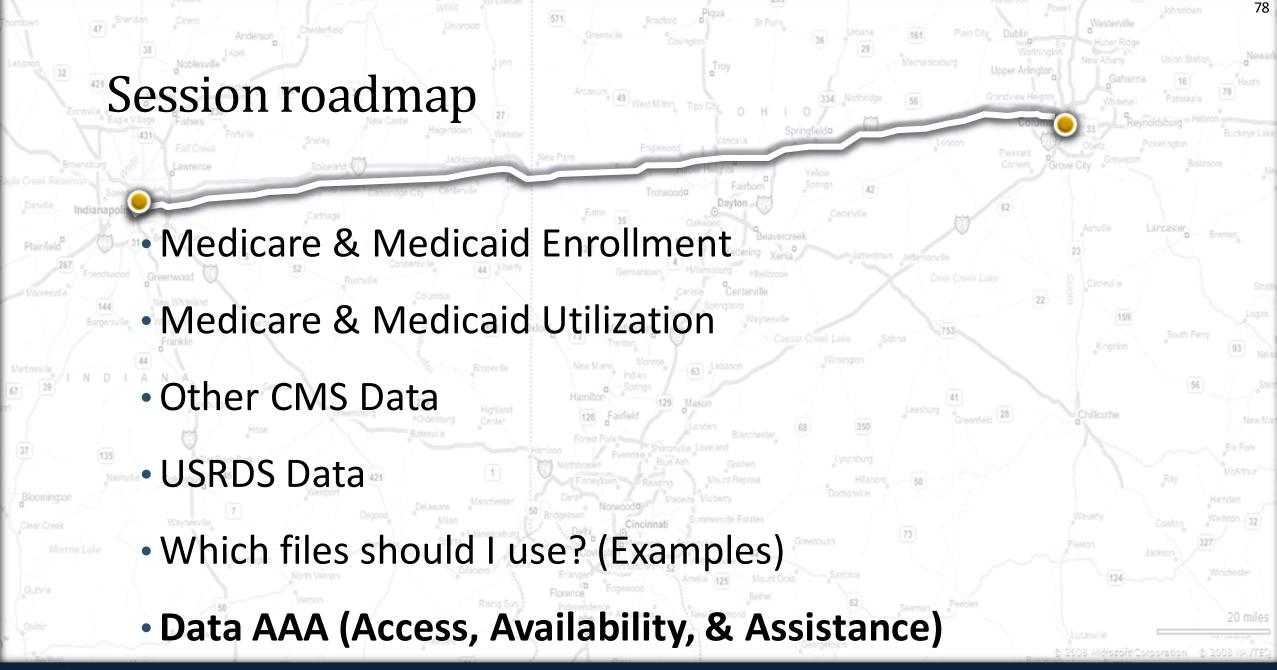
- Limited data prior to ESRD diagnosis
- Delayed 2+ years behind Medicare data from CMS
- Available for nonveterans

Medicare claims from CMS

- Availability not tied to ESRD diagnosis
- Timely

Not recommended to use Medicare claims from both sources







Data Access





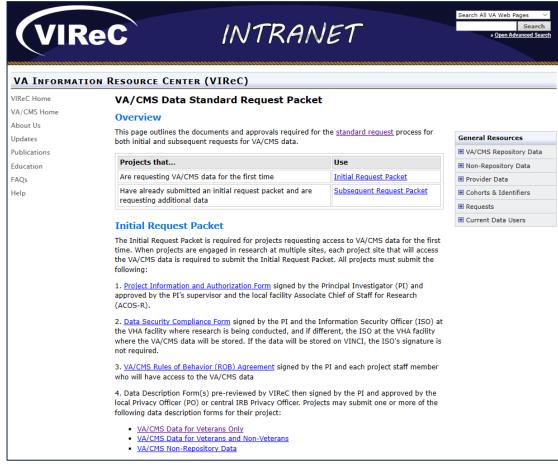
- The data steward for CMS and USRDS data used for VA research
- Distributing data from to VA approved projects since 2003
- Providing assistance to VA research projects using CMS data
- No cost to VA researchers



Requesting CMS data

- Pre-Request Consultation
- Request Process and Forms
- Data Descriptions and Documentation

virec.vacmsdata@va.gov



vaww.virec.research.va.gov/Index-VACMS.htm
(VA intranet only)





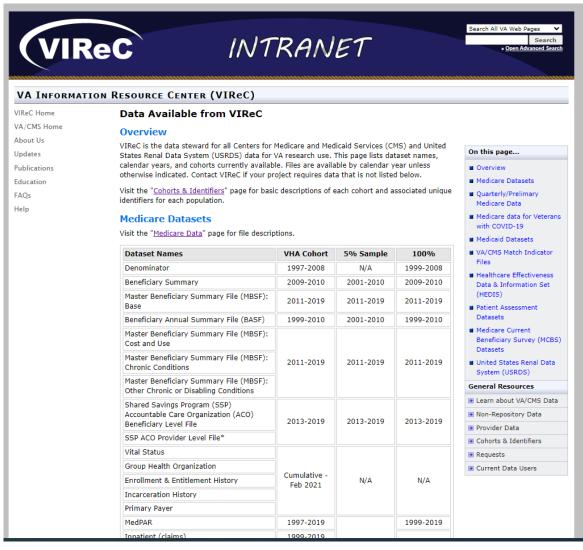
- Field office of VHA's Chief Strategy Office
- Data steward for CMS and USRDS data used for VHA operations
 - VHA Program Offices
 - Quality Improvement/Quality Assurance
- vaww.va.gov/medicareanalysis/ (VA intranet only)



Data Availability in VHA



Current Availability



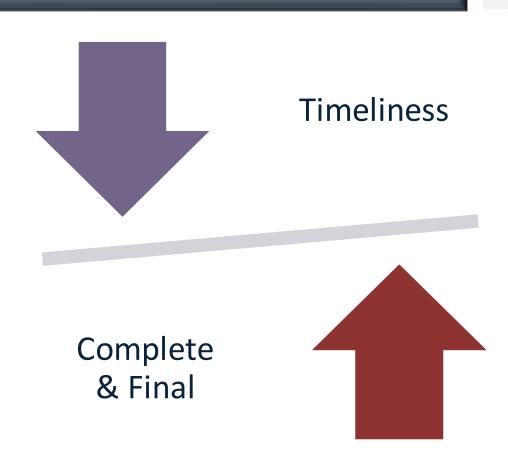
- Types of data
- Files
- Cohorts
- Years

https://vaww.virec.research.va.gov/VACMS/Intro/Data-Available.htm (VA intranet only)



Availability

- Preliminary vs "Final" versions of data
- Most timely data is not the most complete/final





Approximate Lags in Data Availability

2+ year delay

Medicaid (final)

Medicare encounters

USRDS

MCBS

1-2 year delay

Medicaid (preliminary)

Medicare claims (final)

Assessment data (final)

HEDIS

<1 year delay

Medicare claims (preliminary)

Assessment data (preliminary)



Cohorts

VHA cohort

- Most files available
- Scrambled SSN

5% sample

- Medicare data only
- Based on last 2 digits of SSN

100%

- All people for whom data are available
- Enrollment, summary, and other small files (MCBS, USRDS, Assessment)
- Non-SSN based identifier
 - Differs by dataset
- Members of VHA cohort can be identified
- Data availability may differ than what is available for VHA cohort



Assistance



To understand the data, you must understand the source







- CMS contractor based at the University of Minnesota
- Provides free assistance and training to researchers using CMS data
 - Help desk
 - Knowledge base
 - Webinars
- www.resdac.org



Chronic Conditions Data Warehouse

Your source for national CMS Medicare and Medicaid research data

- Source of most CMS data that VA receives
- Documentation
 - Data dictionaries
 - Summary tables
 - User guides & technical guides
 - White papers & presentations
- www.ccwdata.org



Cyberseminars

- CMS Data Mini-Series
 - Using Medicare Data to Study COVID-19 (10/12/21)
 - Measuring Veterans' Medicare Health Services (1/11/22)
 - Medicare Data in the OMOP Common Data Model (4/12/22)
 - Medicaid Data in VA research (7/12/22)

https://www.hsrd.research.va.gov/cyberseminars/





Questions about Using VA Data?

HSRData Listserv

- Community knowledge sharing
- ~1,400 VA data users
- Researchers, operations, data stewards, managers
- Subscribe by visiting
 https://vaww.virec.research.va.gov/Support/HSRData-L.htm (VA Intranet)

VIReC HelpDesk

Individualized support



virec@va.gov



THANK YOU!
Questions?





CONTACT INFORMATION

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kristin.degroot@va.gov







DATABASE & METHODS CYBERSEMINAR SERIES

Next session:

Monday, March 7, 2022 at 1 pm Eastern

Ascertaining Veterans' Vital Status: Data Sources for Mortality Ascertainment and Cause of Death







Resources for *VA Data Users*

Quick Guide: Resources for Using VA Data

https://vaww.virec.research.va.gov/Toolkit/QG-Resources-for-Using-VA-Data.pdf (VA Intranet)

VA Information Resource Center (VIReC)

https://vaww.virec.research.va.gov/Index.htm (VA Intranet)

VIReC Cyberseminars

https://www.virec.research.va.gov/Resources/Cyberseminars.asp

VHA Data Portal

https://vaww.vhadataportal.med.va.gov/Home.aspx (VA Intranet)

VA Informatics and Computing Infrastructure (VINCI)

https://vaww.vinci.med.va.gov/vincicentral/ (VA Intranet)

Health Economics Resource Center (HERC)

https://vaww.herc.research.va.gov (VA Intranet)

Corporate Data Warehouse (CDW)

https://vaww.cdw.va.gov/Pages/CDWHome.aspx (VA Intranet)



Electronic Health Record Modernization Resources for VA Data Users

"EHRM & Research" page on the Research Resource Guide SharePoint

https://dvagov.sharepoint.com/sites/VHAPugResearch/RRG/Pages/EHRM-Research.aspx

"EHRM and Implications for Data Users" page on the VIReC website

https://vaww.virec.research.va.gov/EHRM/Overview-and-Implications.htm

Data Management and Migration Knowledgebase" on the Data Migration, Management, and Syndication SharePoint

https://vaww.cdw.va.gov/sites/EHRMDataIntegration/DIRAKnowledgeShare/Pages/DIRAKnowledgeShareHome.aspx

Syndicated Data Bits - Weekly Webinars

https://tinyurl.com/y3wgxzu5

Office of Electronic Health Record Modernization (OEHRM) Intranet site

https://vaww.ehrm.va.gov/

