

Estimating Non-VA Costs

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Learning Objective

- It is common for veterans to use non-VA providers.
- At the end of the class, you will know the pros and cons of different methods for identify non-VA utilization and estimating non-VA costs



Non-VA Use is Common

- According to 1999 survey data, 73% of VA enrollees have alternative coverage
 - 53% have Medicare
 - 19% private without Medicare
 - 1% Medicaid without Medicare or private
- Among VA enrollees
 - Approximately 4 in 10 used VA exclusively
 - Two-thirds expect to use VA for primary care in the future

Methods for Assessing Non-VA Utilization

- Existing datasets
 - Fee Basis
 - Sharing Agreements
 - Primary data collection
 - Self-report
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Fee Basis Data

Overview

- Pays for care at non-VA facilities when
 - it is the only source available, or
 - VA could save money
 - Full range of services covered
 - Nearly all outpatient care is pre-authorized; limited emergent care
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Growth in Fee Basis

- Meteoric growth in last 10 years:
 - \$556 million in FY2003, \$3.1 billion in FY2009
 - 10-20% growth per year
- Examples of major spending areas
 - long-term care (community NHs)
 - kidney dialysis
 - radiology

8 Fee Basis Files per Fiscal Year

- Inpatient care
 - Hospital stays (facility or facility+physician)
 - Ancillary, physician (if billed separately)
 - Outpatient care
 - Outpatient non-pharmacy
 - Payments to pharmacies
 - Travel expenses
 - Two vendor files (pharmacy, all other)
 - Veterans with Fee Basis ID cards
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Highlights of Clinical Data

■ Outpatient

- Date of service
- 1 CPT procedure code

■ Inpatient

- Start and end dates of invoiced period (often different from overall admission & discharge)
 - Up to 5 surgery codes
 - Up to 5 ICD-9 diagnosis codes (*no decimal*)
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Highlights of Financial Data

- Amount claimed
- Amount paid
 - often much less than amount claimed
- Many financial processing variables



Highlights of Vendor Data

- Vendor ID
 - Address (city, state, zip)
 - Related VA station number
 - Payment totals by month
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Records vs. Encounters

- LINENO refers to consecutive records for the same person
 - Each row of data represents a service provided for a particular date (outpatient) or time period (inpatient)
 - TREATDTF: Inpatient start of invoice period
 - TREATDTO: Inpatient end of invoice period
 - TREATDT: Outpatient date of service
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Records vs. Encounters

- Inpatient encounters
 - Locate all records for the same encounter using SCRSSN and treatment dates (TREATDTF, TREATDTO)
 - Use vendor ID to distinguish between contiguous stays over two or more locations, such as these:
 - transfer from NH to hospital or hospital to NH
 - transfer between hospitals
 - Concatenate inpatient records to estimate overall length of stay

Records vs. Encounters

- Outpatient services
 - Each billable procedure (CPT or HCPCS code) will have its own Fee Basis record
 - Outpatient pharmacy
 - For prescriptions obtained from a pharmacy, Fee Basis files show only the total VA payment to the pharmacy for the month
 - Medications injected in a clinic should have a separate Fee Basis record with a “J code” (HCPCS code begins with letter ‘J’)
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Overlap with Other Files

- A majority of stays in the PTF Non-VA Hospitalization (NVH) file also appear in the Fee Basis data.
 - The reverse is not true: most Fee Basis records are not in the Non-VA Hospitalization file.
 - Monthly community nursing home (CNH) claims are recorded as outpatient services in DSS national data extracts (NDEs).
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Notes

- Blank fields are common.
 - They can mean “not applicable” as well as “missing.”
 - Each paid invoice has a separate record.
 - Example: an inpatient stay typically has one invoice (and therefore one record) for each calendar month.
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Notes

- Records are typically processed within 30 days of invoicing, BUT
 - Invoices may be sent LONG after services are rendered. THEREFORE
 - To find all services in a fiscal year, look in the Fee Basis files in that year and the following 1-2 years.
 - Search by
 - TREATDTF and TREATDTO for inpatient records
 - TREATDT for outpatient records
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Cautions

- Watch for outliers: extremely long stays
 - If a stay appears to end on September 30, check the October records
 - Look over a long period (2+ years) to find all records pertaining to an inpatient stay
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Sharing Agreements

- Sharing agreements are contracts with non-VA providers. They represent an alternative way of hiring non-VA services.
- Some care from sharing agreements is recorded in the Fee Basis files.
 - e.g., DoD hospitals in Alaska and Hawaii



Resources

- Fee Basis intranet web site
 - record of national Fee monthly calls

 - HERC intranet web site
 - guidebook on Fee Basis data
 - technical report analyzing FY2003 data

 - HERC customer service: herc@va.gov
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Questions on Fee Basis Files?



Self-Report

Collecting Health Care Utilization

- Costly and time consuming
 - No gold standard method
 - Administrative data are incomplete / inaccurate
 - Limited benefits
 - Out-of-plan or out-of-pocket utilization
 - Capitated health plans
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Poll

- During the past 12 months, how many times have you seen a doctor or other health care professional about your own health at a doctor's office, a clinic, or some other place? Do not include times you were hospitalized overnight, visits to hospital emergency rooms, home visits, or telephone calls.

- Responses

0

1

2

3

4

5

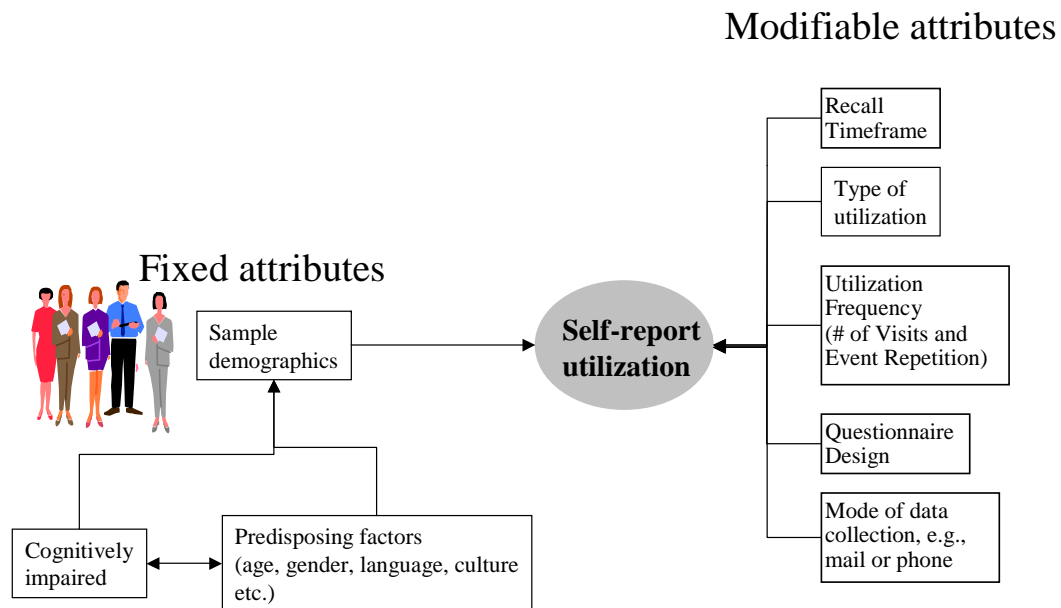
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7+



What is Self-Report

- Cognitive process of recalling information



A. Bhandari and T. Wagner, "Self-reported utilization of health care services: improving measurement and accuracy," *Medical Care Research and Review* 63, no. 2 (2006): 217-235.

Fixed Attributes

- Process influenced by illnesses or disabilities (e.g., dementia or mental retardation)
 - Older age is consistently correlated with poorer recall accuracy (spurious correlation)
 - Older adults more likely to under-report.
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Recommendations

- Are respondents able to self-report?
 - Consider age and cognitive capacity
 - 14 is lower limit
 - Use cognitive screening tool, such as MMSE
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Recall Timeframe and Frequency

■ Time Frame

- Longer recall times result in worse accuracy
- Longer timeframes lead to telescoping and memory decay

■ Frequency

- Under-reporting is exacerbated with increased utilization
 - As the number of visits increase, people forget some
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Recommendations

- Avoid recall timeframes greater than 12 months
 - Shorter recall may be necessary for
 - Office visits (low salience)
 - Frequent users
 - Consider two-timeframe method (i.e., 6-2)
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Questionnaire Design

“How many times have you seen a physician in the past 6 months?”

- What is a “time?” What about multiple times on same day?
 - What is a physician? Does a nurse count?
 - Is “seen” literal? What about a phone consultation with prescription?
 - What about care for someone else?
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Design: wording

- Recall order
 - Chronological: go back a year and think forward
 - Reverse chronological: supposition: later events are the easiest to recall and helps recall previous events
 - Free recall
 - Data are inconclusive; unclear whether this varies by gender or culture
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Data Collection

- Modes: mail, telephone, Internet, and in-person data
 - No study has compared all four
 - Probing with memory aids can help improve accuracy
 - Stigma is important
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Recommendations

- No standards exist and standards may not be possible
 - Pretest: Dillman (2000)
 - Placement in questionnaire might matter
 - Phone, in person and some Internet surveys allow for memory aids
 - For example, landmark events
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Response Scale

- Use counts
 - Include “your best estimate is fine”
- Avoid categories, which introduce biases and error in the statistical analysis
 - 0, 1-2, 3-5, 6+



Costs

- Self-reported costs are assumed poor
 - Imputing costs from self-reports can introduce biases
 - Analyze visits, not just costs
 - Consider seeking billing data (discussed next)
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Questions



Collecting Data from Non-VA Providers

Purpose

- Non-VA cost data needed to develop a full picture of patient spending.
- Many VA users under age 65 use non-VA services:
 - they have other insurance
 - they have a medical emergency

Overview of Method: Inpatient

- For each non-VA inpatient stay, ask for the following:
 - facility type (acute, nursing home, hospice, etc.)
 - facility name and location (at least city) → find zip code
 - admission and discharge dates
 - distance from patient's residence (or use patient's home zip code)
 - acute stays: days spent in ICU, whether surgery occurred*
 - primary cause/condition/purpose (e.g., MI; convalesce; give birth)

*optional unless you will not collect a bill

 - Obtain a signed release if you want information from the non-VA provider.
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Overview of Method: Outpatient

- Note: not essential for cost, but may be needed for clinical outcomes.
- For each encounter ask the following:
 - provider type (physician office; dialysis clinic; dentist; etc)
 - provider name and location (at least city) → find zip code
 - distance from patient's residence (or use patient's home zip code)
 - service date
- Obtain a signed release if you want information from the non-VA provider.

Release of Information (ROI)

- The ROI authorizes the provider to release (disclose) information about the encounter to you.
- Key points about a ROI:
 - It is separate from the Informed Consent form.
 - It must be approved by the IRB.
 - It has many required elements. See VHA Handbook 1605.1, section 14.
 - A patient/representative cannot be forced or cajoled into signing it.

Necessary Elements: Highlights

- The ROI must contain the following:
 - Patient’s name (a few providers require the SSN as well)
 - Description of information requested
 - Name of person/organization making the request
 - Name of person/organization to whom data will be disclosed/used
 - Description of purpose for disclosure/use
 - Expiration date for disclosure/use (can be “none” in certain cases)
 - Signature of patient or authorized representative
 - Statements about revocation, VA benefits being unrelated to request, and possibility of re-disclosure

After Obtaining the ROI

- Find fax and telephone numbers of non-VA provider.
- Call to find the person to whom info should be faxed.
- Fax cover letter and ROI.
- If it doesn't come within a week, try again.

Alternative Sources of Cost Data

- VA: DSS NDEs, HERC average costs
- Medicare-funded stays using average cost per DRG (MS-DRG since FY08)
- Fee Basis data
- Other (published values; state or national averages)

Resources

- Process of gathering non-VA cost data
- HERC FAQ response I15
http://www.herc.research.va.gov/resources/faq_i15.asp
- Requirements for valid ROI
- VHA Handbook 1605.1, section 14
http://www1.va.gov/vhapublications/ViewPublication.asp?pub_ID=1423

Resources

- Estimating costs instead of finding actual costs
- See the following guidebooks on the HERC web site:
 - Fee Basis data
 - Microcosting methods (cost regression, other)
 - DSS National Data Extracts for inpatient and outpatient encounters
- HERC Average Cost data
- Go to HERC intranet site → Publications → Guidebooks

Questions?

