

Identifying the Right Patients for Specialty Palliative Care

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Join us for upcoming CAPC webinars and virtual office hours

→ Webinar:

- **Outpatient Pediatric Palliative Care: The Role of Pediatric Palliative Care in the Medical Home**

Thursday, December 8, 2016 at 1:30 pm ET

Featured Presenter: Glen Medellin, MD, FAAP, FAAHPM

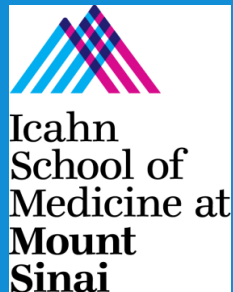
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→ Virtual Office Hours:

- **Palliative Care Models in the Community with John Morris, MD, FAAHPM**
 - TODAY at 3 p.m. ET
- **Building Effective Payer-Provider Partnerships with Tom Gualtieri-Reed, MBA**
 - Tuesday, November 22 at 1 p.m. ET
- **Pediatric Palliative Care with Sarah Friebert, MD**
 - Wednesday, November 30 at 4 p.m. ET
- **Palliative Care in Long Term Care Settings with Katy Lanz, DNP, MSN, AGPCNP-BC, ACHPN**
 - Monday, December 5 at 12 p.m. ET

Amy S. Kelley, MD, MSHS

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of Medicine at Mount Sinai



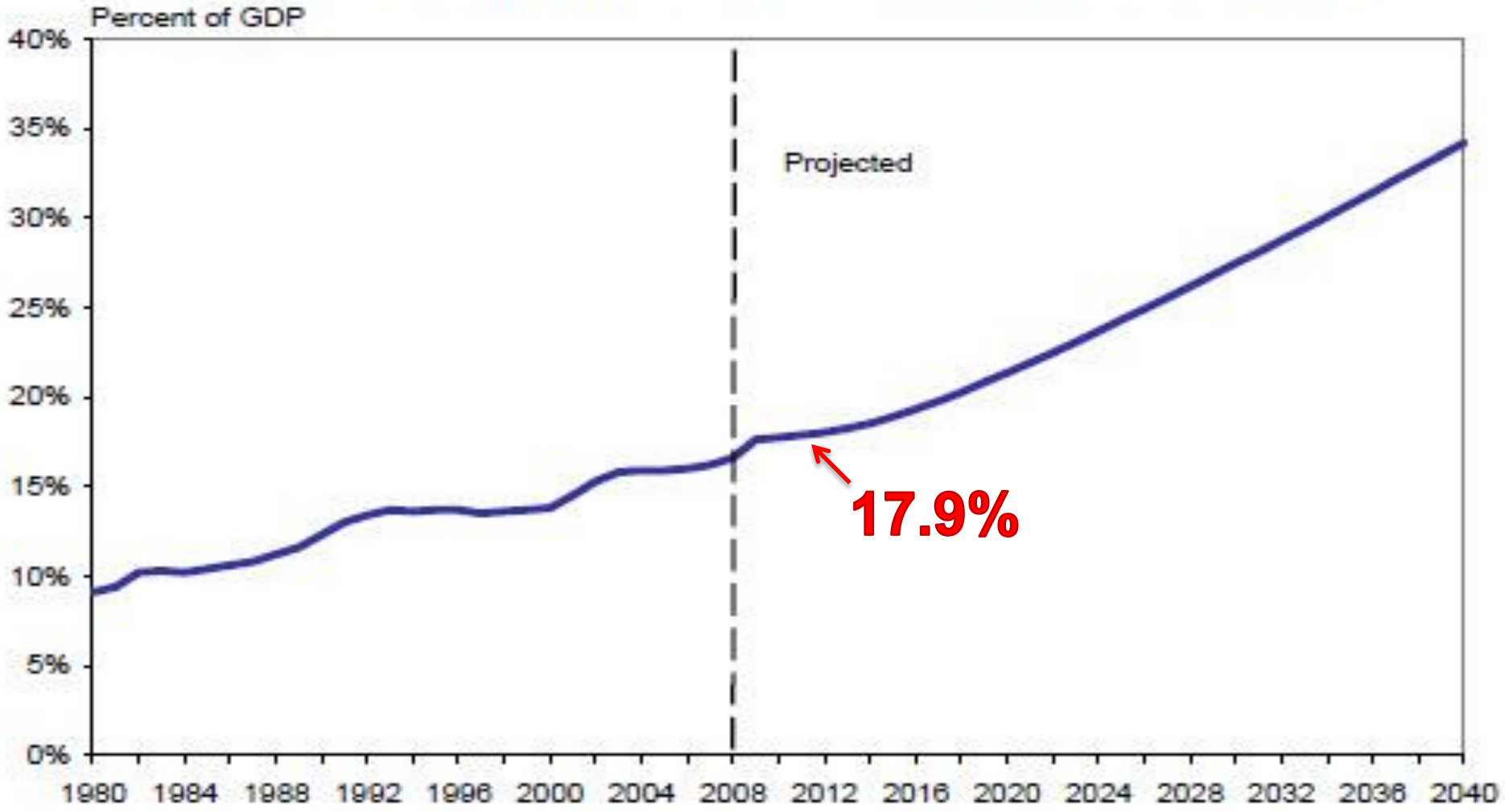
Financial Disclosures

→ No relevant financial disclosures

→ Funding support:

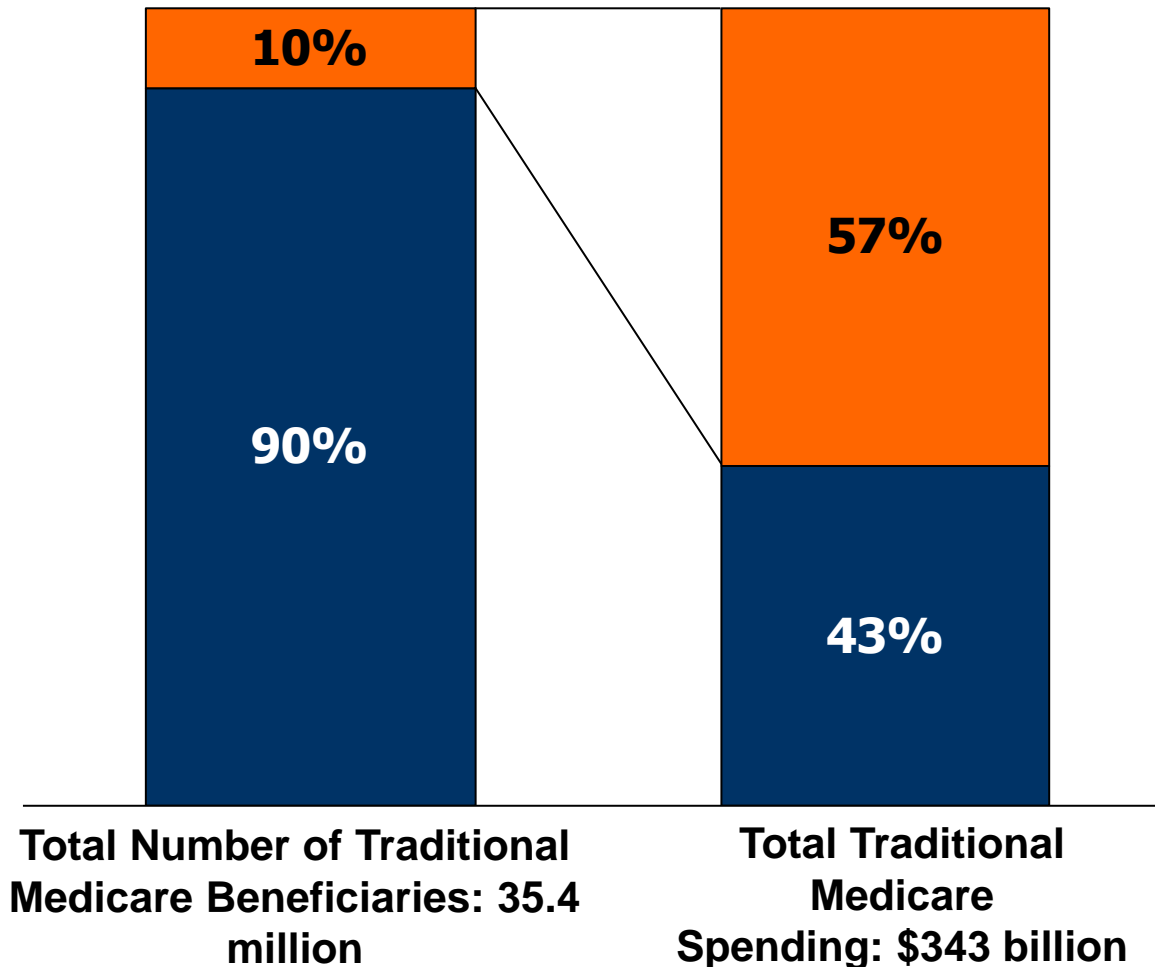
- Paul Beeson Career Development Award (NIA K23AG040774)
- American Federation of Aging Research
- National Palliative Care Research Center
- West Health Institute

National Health Expenditures as a Share of GDP, 1980-2040



Source: CEA calculations.

Small proportion of Medicare Beneficiaries Account for Majority of Medicare Spending



Average per capita Traditional Medicare spending: \$9,702

Average per capita Traditional Medicare spending among top 10%: \$55,763

Average per capita Traditional Medicare spending among bottom 90%: \$4,584

To Maximize Value:

$$\uparrow \text{VALUE} = \frac{\uparrow \text{QUALITY}}{\downarrow / = \text{COST}}$$

For Patients with Serious Illness

Background

- Palliative care has been shown to improve QOL, manage symptoms, support patients and families, and lower costs.
- Yet not all patients need all aspects of palliative care services, and many who could benefit never receive palliative care
- Resource-intensive services must be directed to those who need them most.
- Efforts to target services are hindered by inability to prospectively identify those seriously ill people at greatest risk for high cost, low quality care.

But what is “*serious illness*”?

- No consensus definition in literature
- No methods for prospective identification

A new conceptual definition...

“Serious illness is a condition that carries a high risk of mortality, negatively impacts quality of life and daily function, and/or is burdensome in symptoms, treatments or caregiver stress.”

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3 Proposed Operational Definitions:

- A) One or more severe medical conditions (**Condition**) and/or receiving assistance with any basic activities of daily living (ADL) (**Functional Limitation**);
- B) **Condition and/or Functional Limitation** and one or more hospital admission in the last 12 months and/or residing in a nursing home (**Utilization**); and
- C) **Condition** and **Functional Limitation** and **Utilization**.

Severe Medical Conditions

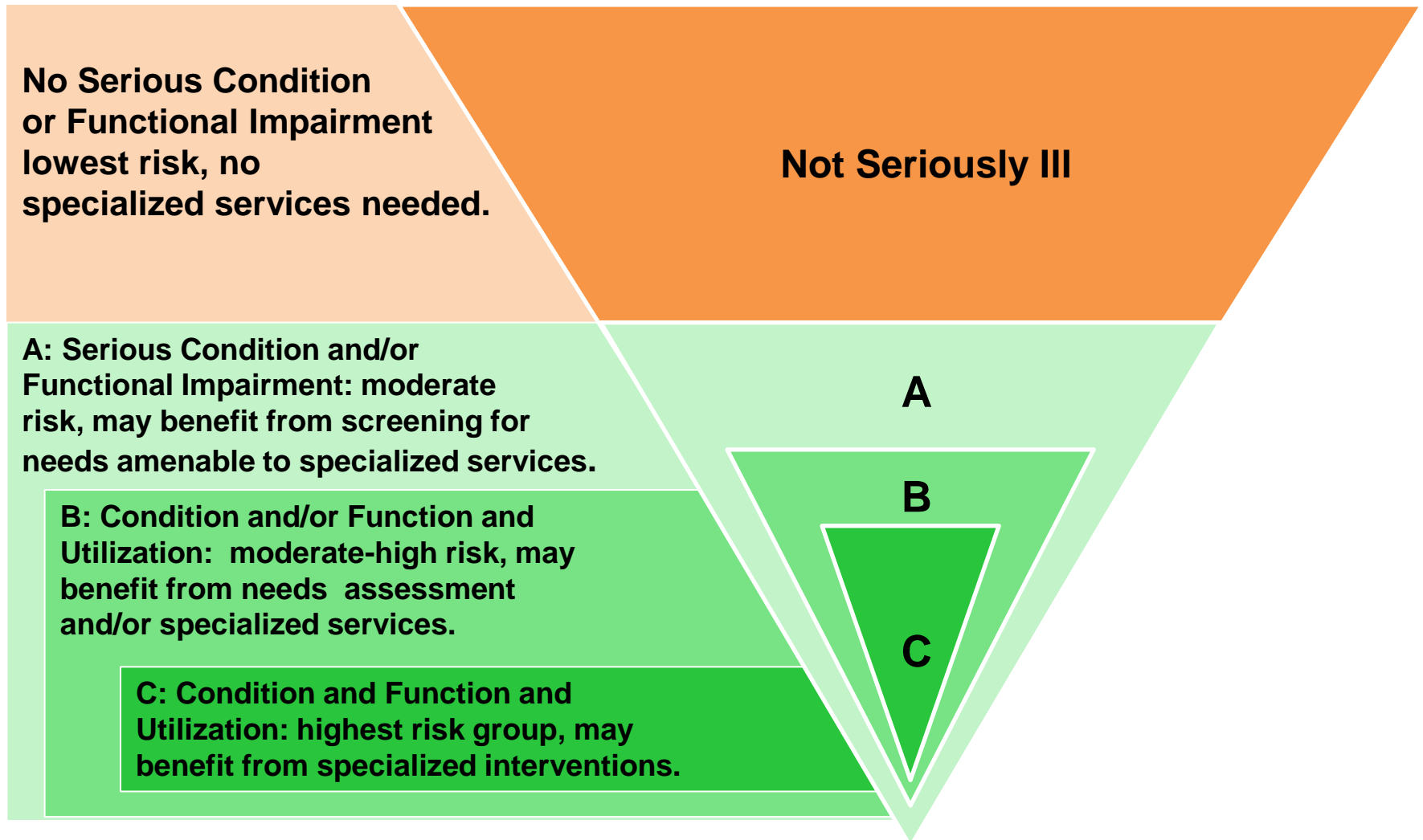
1. Cancer (metastatic or hematologic)
2. Renal failure, end stage
3. Dementia
4. Advanced liver disease or cirrhosis
5. Diabetes with severe complications
 - ischemic heart disease, peripheral vascular disease, renal disease
6. Amyotrophic lateral sclerosis (ALS)
7. Acquired Immune Deficiency Syndrome
8. Hip fracture
9. Chronic obstructive pulmonary disease or interstitial lung disease
 - only if using home oxygen or hospitalized for the condition
10. Congestive heart failure
 - only if hospitalized for the condition

Functional Limitation

→ Receiving assistance with any of the basic activities of daily living (ADL):

- eating
- bathing
- dressing
- toileting
- transferring
- walking

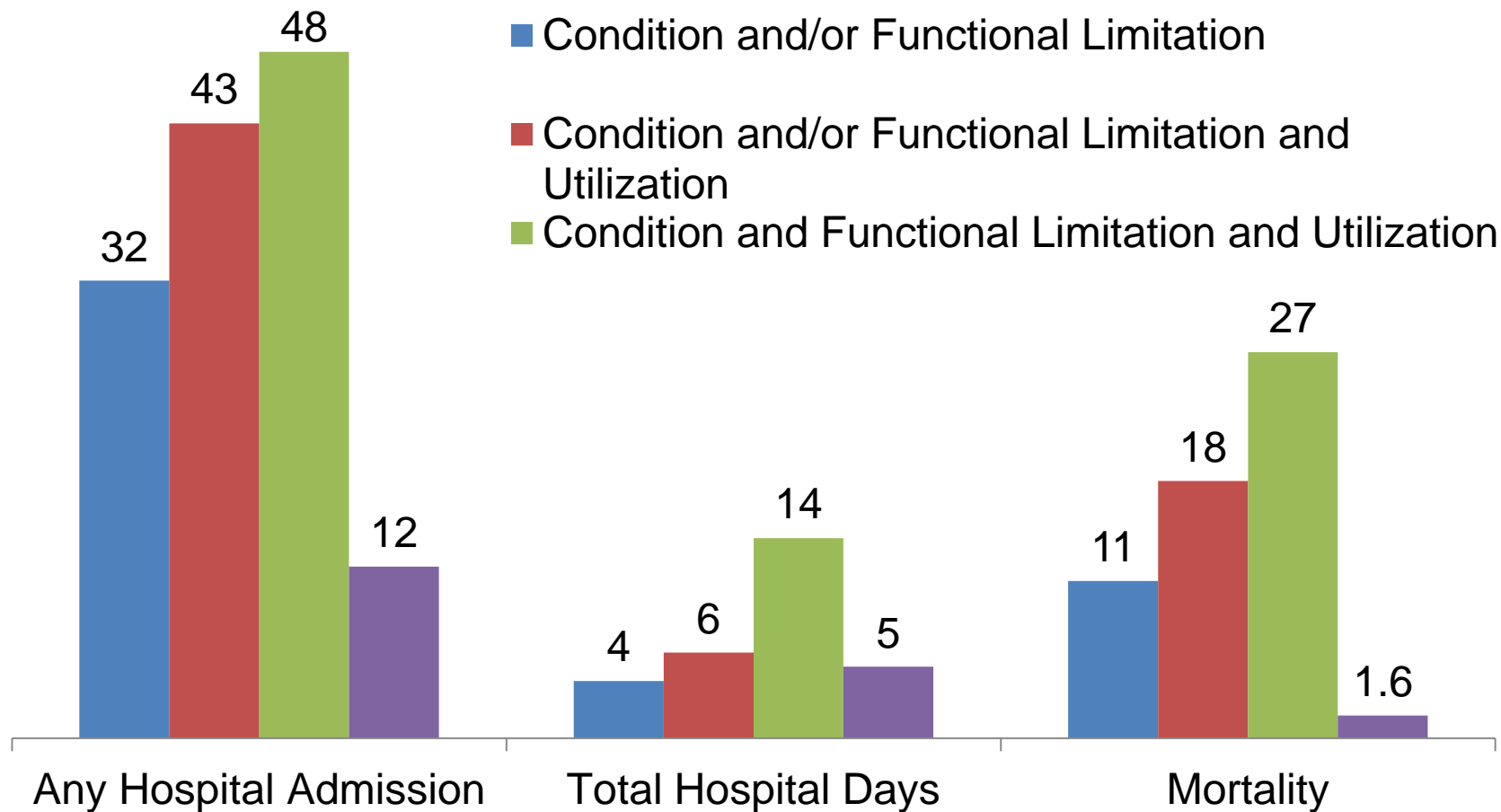
Population Model of Serious Illness



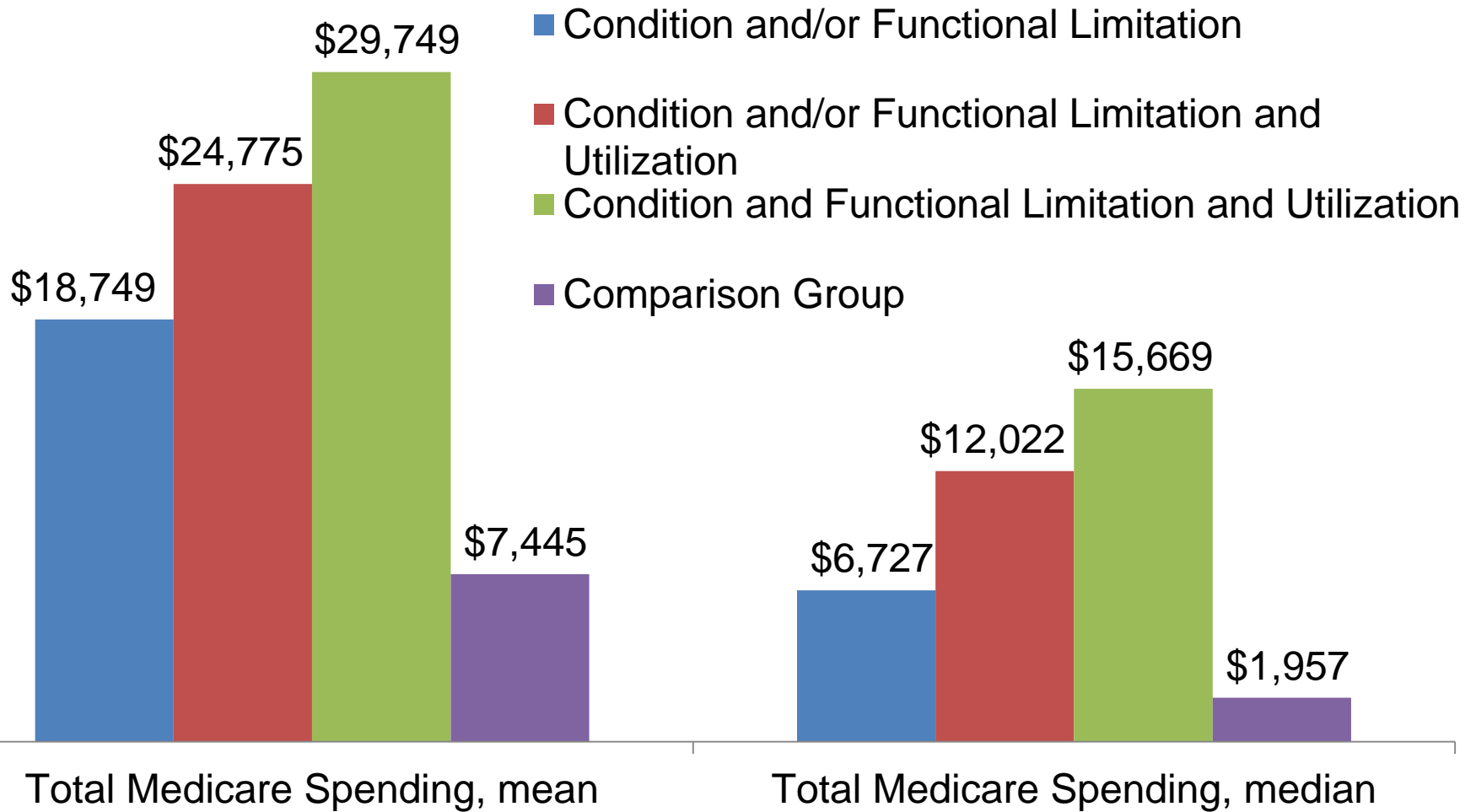
Methods

- Health and Retirement Study, 2000-2010
- Individual Medical Claims
- Subjects were enrolled at the first evaluation meeting a serious illness definition
- Followed for 1 year to assess outcomes: hospitalization, mortality, Medicare spending

Hospital Utilization and Mortality Across Serious Illness Groups



Total Medicare Spending Across Serious Illness Groups



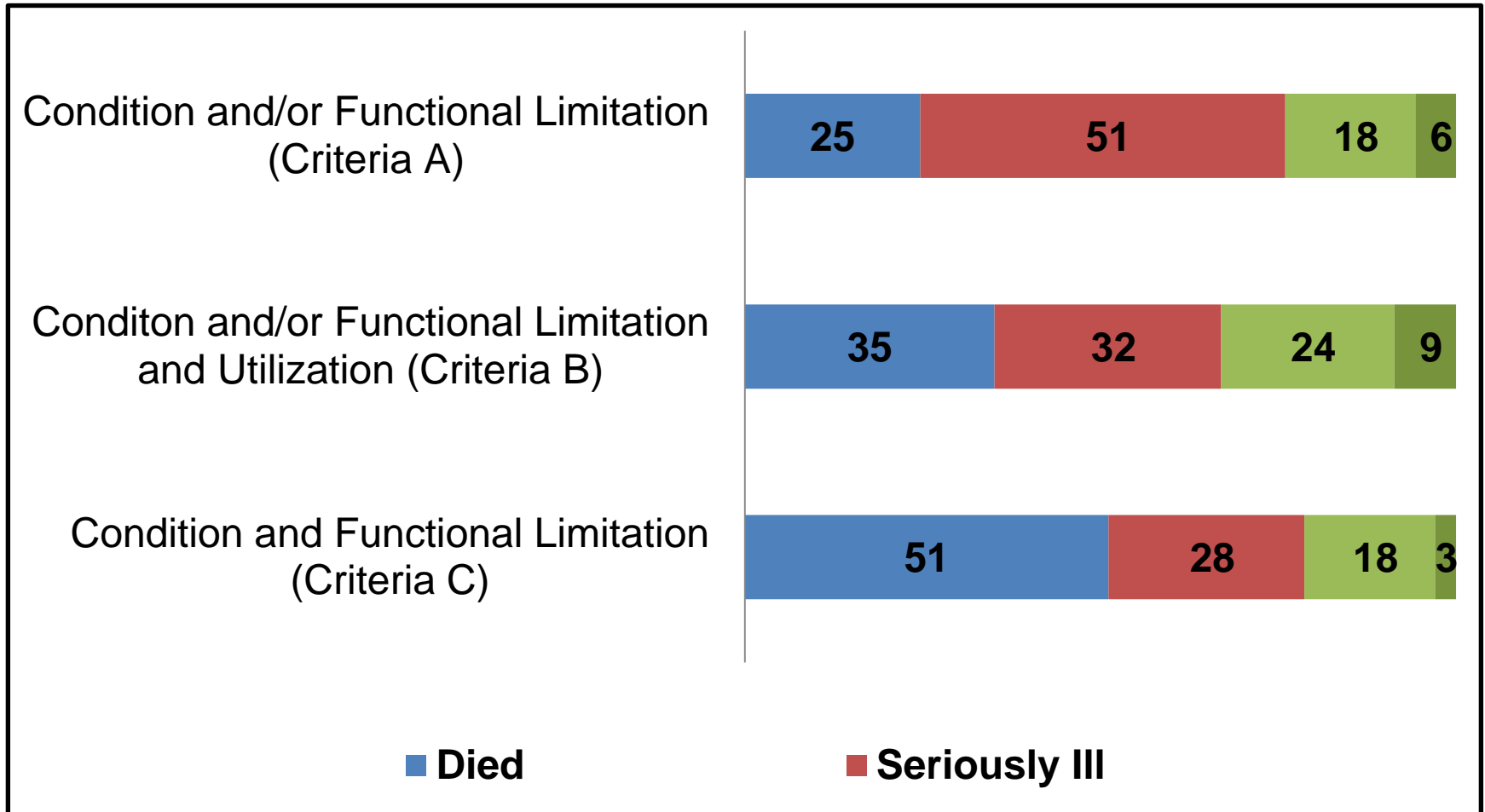
Sensitivity and Specificity for Identifying 1 Year Outcomes

1-Year Outcomes	Criteria A: sensitivity, specificity*	Criteria B: sensitivity, specificity	Criteria C: sensitivity, specificity	Top 5% predicted by, Hierarchical Condition Categories
Hospitalization	0.53, 0.79	0.32, 0.91	0.15, 0.97	0.19, 0.98
Top 5% Medicare Spending	0.66, 0.75	0.44, 0.89	0.25, 0.95	0.39, 0.97
Death	0.73, 0.75	0.51, 0.89	0.30, 0.96	0.32, 0.96

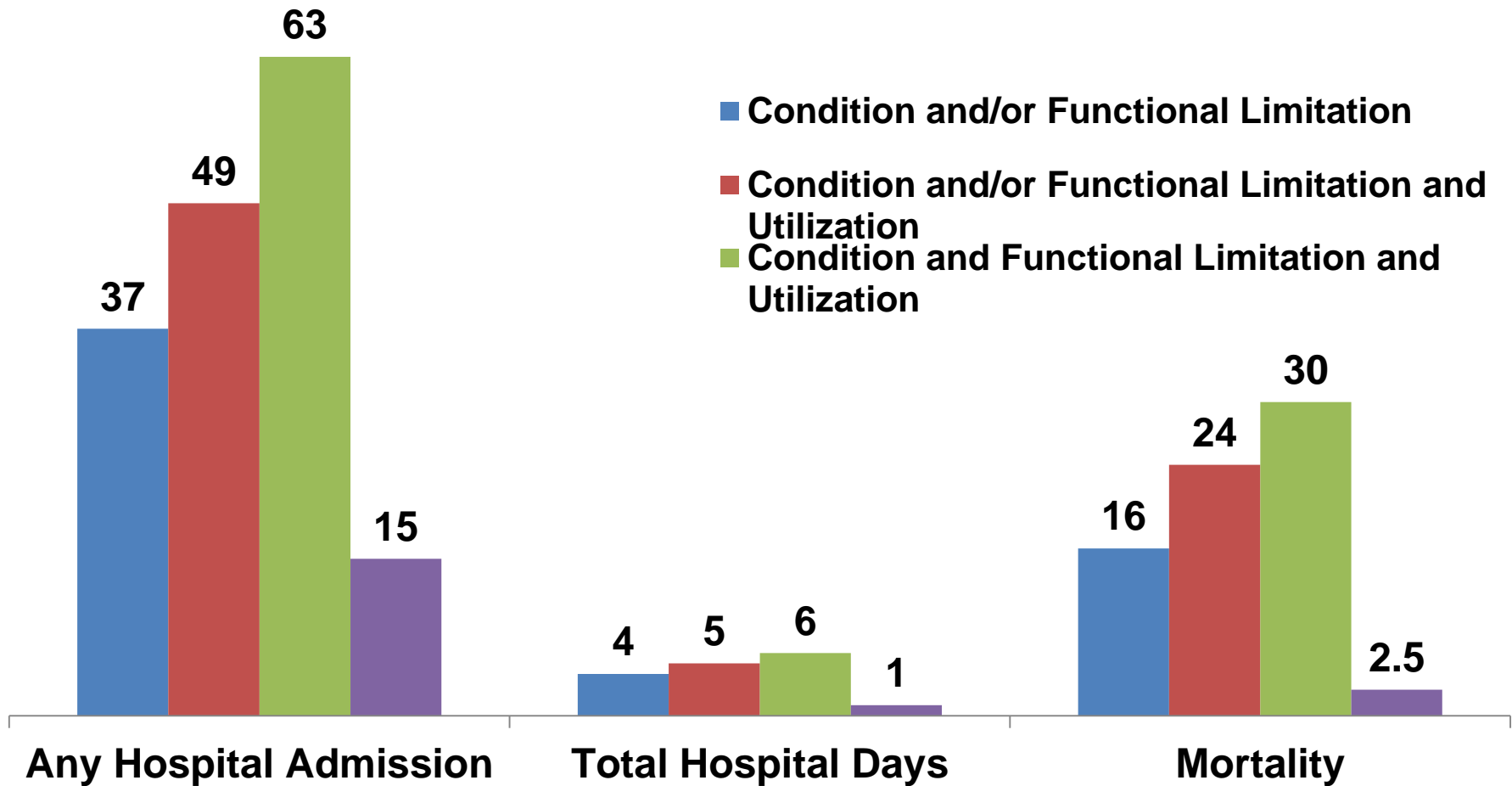
Sensitivity= true positive/(true positive + false negative)

Specificity= true negative/(true negative + false positive)

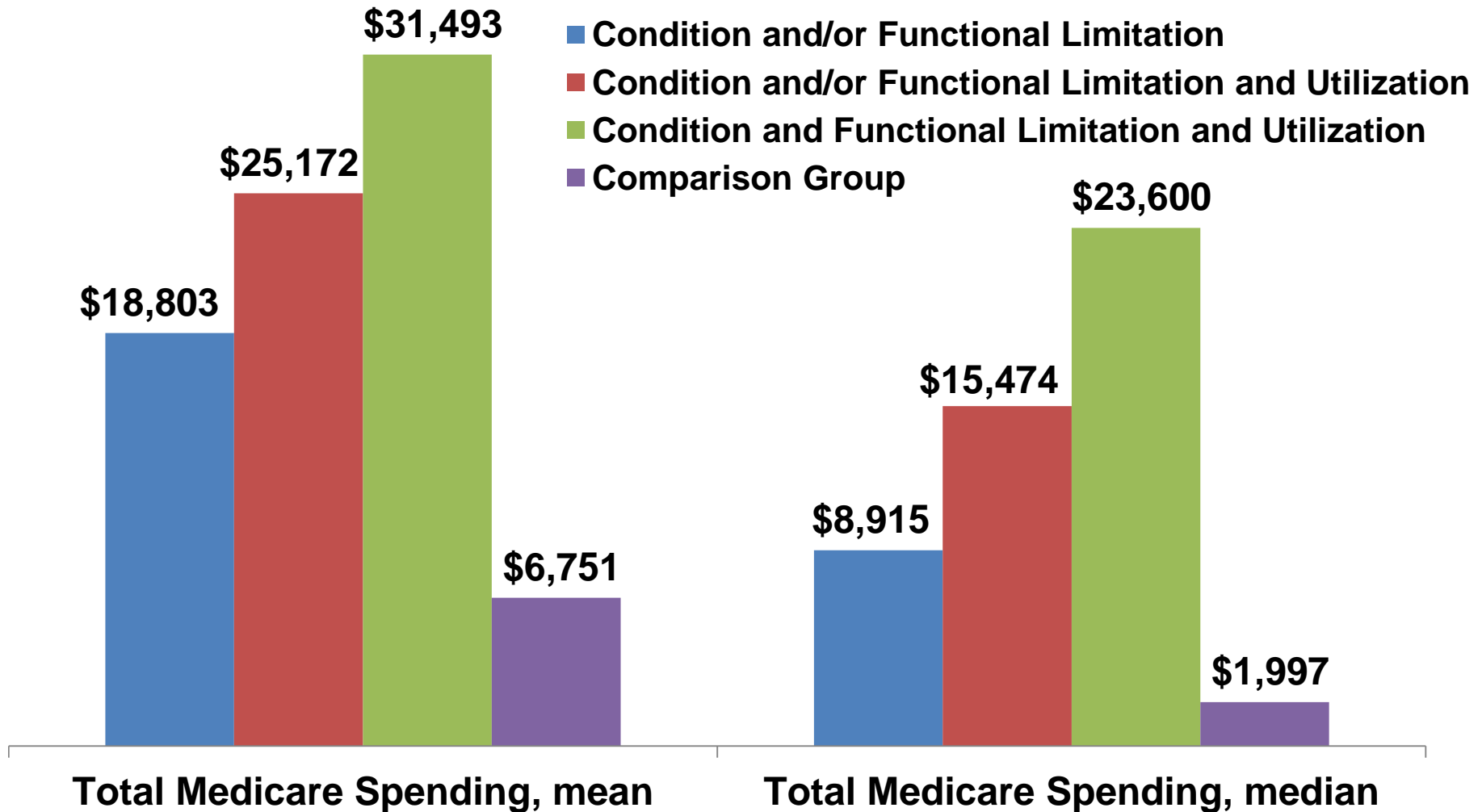
2-Year Outcomes Across Serious Illness Groups



Hospital Utilization and Mortality Across Serious Illness Groups (NHATS)



Total Medicare Spending Across Serious Illness Groups (NHATS)



Main Findings:

- Prospective identification of people with serious illness is feasible and key to improving care.
- Most seriously ill patients identified are not in the last year of life.
- Waiting until “end of life” is too late.
- Depending upon a program’s aim, these definitions may be used, for example, to:
 - screen patients for palliative care needs (A), or
 - effectively target high-resource services (C).

Next Steps

→ Applying this to your local health system infrastructure

Arta Bakshandeh, DO, MA

Senior Medical Officer

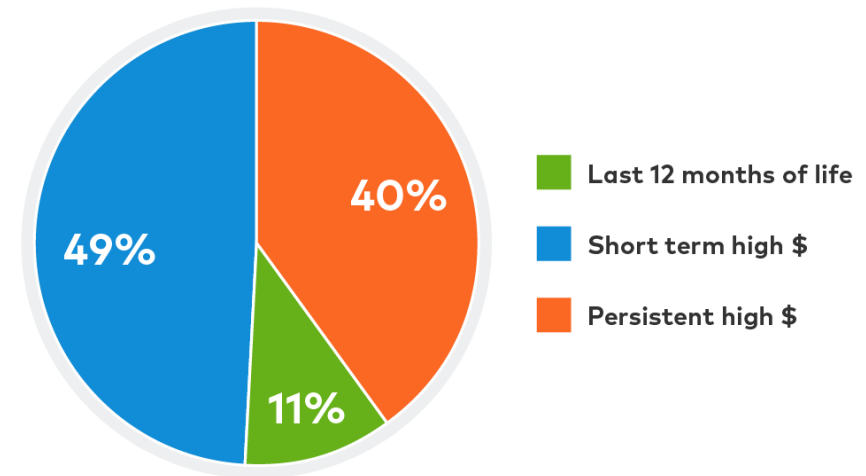
Alignment Healthcare



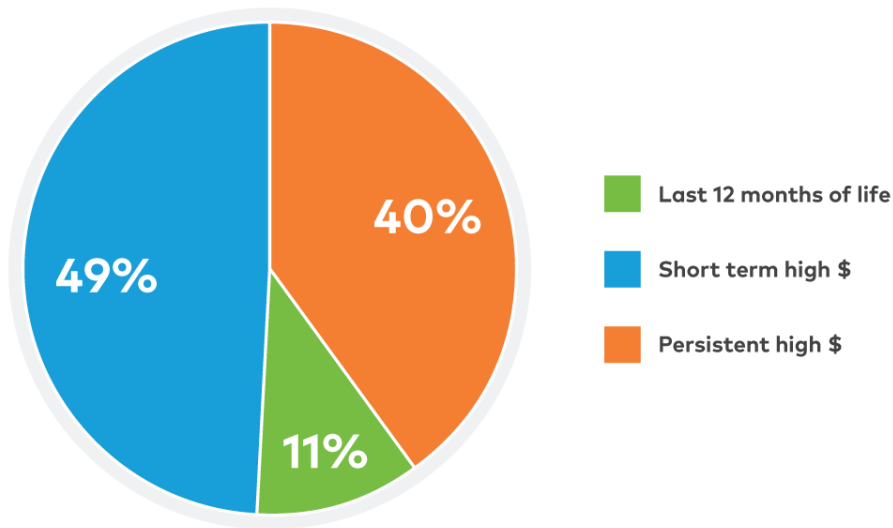
What proportion of the costliest 5% of U.S. patients are in their last year of life?

- Only 11% of the costliest 5% of U.S. patients are in their last twelve months of life.
- About half have one-time high expenditures (for example, major surgery) and go on to recover.
- About 40% have persistent, year-after-year high spending associated with frailty, cognitive impairment, functional dependency, and multimorbidity.

Top 5% of Medical Spenders



Top 5% of Medical Spenders



- Prognosis alone is not a useful method of identifying high-risk, high-need, and high-cost patients.
- Predictors of high-risk, high-need patient populations include:
 - Functional and/or cognitive impairment
 - Frailty
 - Multimorbidity
 - One or more serious medical illnesses
 - Family caregiver exhaustion

Challenges We All Face

Different for each stakeholder:

→ Member/patient

- Access
- Affordability
- Care Giver Burden

→ Hospital

- Incomplete understanding of post-acute utilization
- Inability to visualize post acute outcomes
- Lack of integration to improve quality

→ Provider/IPA

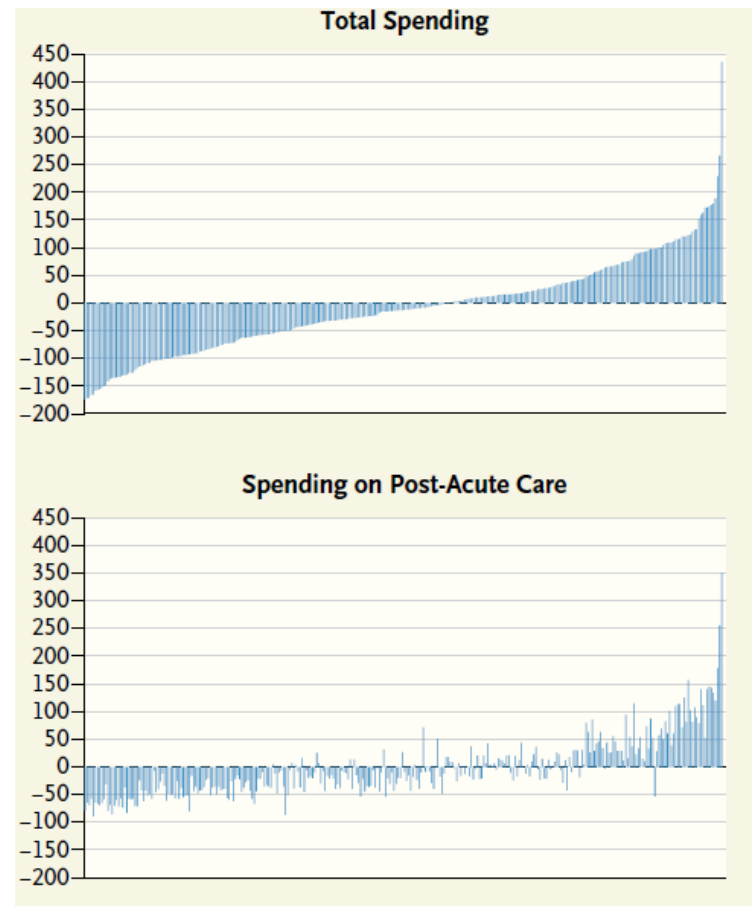
- Understanding the right setting for care
- Transitioning to lower cost/acuity as soon as clinically appropriate

→ Health Plan

- Corporate culture
- Engaging the above mentioned

Behavior is a Backseat Driver

- In 2013, at the request of members of Congress, the Institute of Medicine reported variations in Medicare expenditures for the services of hospitals, physicians, and other health care providers.
- Committee findings:
 - MOST of the variation among geographic areas is attributable to variation in the use of post-acute care and inpatient services.
 - Within any area, provider BEHAVIOR varies substantially





Applying Data Analytics



- Where is your data today?
- Is the data actionable?
 - If so...By Whom?

Engaging and Empowering Clinicians

The information in the Command Center is used by AHC clinical staff during rounds to better understand the entirety of the clinical picture and initiate care plans for each patient under the care of AHC providers

AHC Command Center

- Our virtual population health platform designed by the medical directors at Alignment in order to dynamically stratify, predict, monitor and track member's healthcare utilization and changes in health status
- The Command Center originated from the need for medical utilization monitoring at scale and the ability to use analytics to provide earlier and earlier predictive modeling and high-touch intervention
- The Command Center generated Census, HEDIS/Star quality measures, Clinical Alerts, HCC alerts, a Patient 360 view and a gap closure workflow developed by the Alignment clinical operations team
- The alerts and subsequent workflow are used for daily rounds by the case management and Senior Medical Officers at Alignment Corporate Offices in conjunction with the field clinicians who ensure execution

Engaging and Empowering Clinicians

The information in the Command Center is used by AHC clinical staff during rounds to better understand the entirety of the clinical picture and initiate care plans for each patient under the care of AHC providers

Outcomes



Provides early predictive capabilities from data and alerts created by daily feeds



Enhances communication between corporate and field staff, providing a systematic approach to individual-based care mgmt



Establishes one point to review disparate data sources, and assures execution of standard protocols (thereby creating scalability)



Provides better ability to track utilization and census on a real-time basis as opposed to quarterly or monthly reporting of trends

Engaging and Empowering Clinicians

The information in the Command Center is used by AHC clinical staff during rounds to better understand the entirety of the clinical picture and initiate care plans for each patient under the care of AHC providers

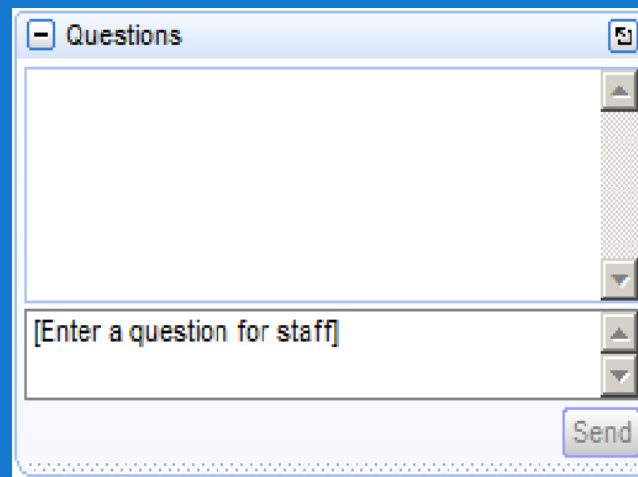
At A Patient Level

- Patient Profile: 68 y/o Female with metastatic breast cancer presents to the ER complaining of increased pain and discharged with PCP follow up.
- Condition: Pain management in Oncology (high risk patient)
- Event: Alert trigger for addition of pain medication in Oncology patient AND alert fro Oncology patient visiting ED
- Typical Event Outcome: Patient unable to see PCP or Oncology in time to titrate medication and back in ER vs uncontrolled pain
- AHA Outcome: Case management workflow triggered by alert to contact patient and set home visit vs care center visit for medication titration and care coordination

Questions?

Do you have questions for the presenter?

Type your question into the chat box on your control panel:



A screenshot of a web-based chat interface titled "Questions". The interface consists of a large white text area for entering questions, a smaller input field at the bottom containing the placeholder text "[Enter a question for staff]", and a "Send" button located at the bottom right of the input field. The window has a standard title bar with a close button on the right.