# Cost Stewardship in the Face of Uncertainty:

Lessons from the ACP High Value Care Curriculum

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# Cost Stewardship in the Face of Uncertainty

- I. The Arguments for Cost Consciousness
- II. Uncertainty and the Costs of Healthcare
- III. Lessons from the ACP/AAIM Curriculum

# The Arguments for Cost Consciousness

Less Altruistic Arguments:

- Altruistic Arguments:
- Patriotic
- Population Health
- Moral/Theological
- Patient Centered

# The Patriotic Argument for Cost Consciousness

- Healthcare spending is at 17% of U.S. GDP and is projected to reach 20% in the very near future.
- Spending at this level could potentially bankrupt the federal government.

# The Patriotic Argument for Cost Consciousness

- 5% of the GDP is spent specifically on medical tests and procedures that do not improve outcome.
- This represents a sum of about 750 billion dollars a year
- Physicians are responsible for 87% of this wasteful spending

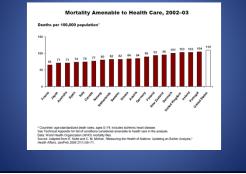


# The Population Health Argument for Cost Consciousness

- In 2008 we in the United States spent more than \$7,500 per person on one years worth of health care
- This figure is between 2 and 3 time that of many other industrial countries
- Despite this monetary investment we lag behind other countries in many key health measures



# The Population Health Argument for Cost Consciousness



The Population Health Argument for Cost Consciousness



# The Arguments for Cost Consciousness

- Altruistic Arguments:
- Less Altruistic Arguments:
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- Moral/Theological

# The Moral/Theological Argument



# The Moral/Theological Argument

- "Though Shalt Not Waste"
- The principle is rooted in Biblical Law Deuteronomy 20:19–20

# The Arguments for Cost Consciousness

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# The Patient Centered Argument for Cost Consciousness

- Cost affects access
- Cost affects compliance
- Cost affects health decisions

# An Uninsured Patient's Perspective

- Julian McCullough, comedian
- Recorded at "Told," a storytelling show in New York City.
- "How much? No health insurance, 7 days in the hospital, ... appendectomy:"

\$45,00



# The Arguments for Cost Consciousness

• Altruistic Arguments:

• Less Altruistic Arguments:

- Patriotic
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# The Less Altruistic Arguments for Cost Consciousness

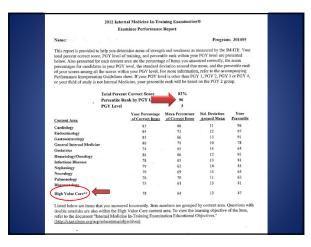
- In the not so distant future it will be part of your job description and compensation package.
- It is going to be on the boards!!!

# New Health Care Reimbursement Models

- Accountable Care Organizations (ACO)
- Bundle Based Payments



• Physician Hospital Organizations



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## **Provider Cost Transparency Alone Has No Impact on Inpatient Imaging Utilization**

af Bades, 2019 Feb 1023 108-13. doi: 10.1016/j.jov.2012.00.020. Epub 2012 Doc 28. Iddor cost transparency alone has no impact on inpatient imaging utilization. *302. Editional* 15. Leanna 28. Bestinal D.J. H: Morgan Department of Radiology and Radiological Sciences, The Johns Ropiess University School of Medicine, Bat

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## • Knowledge of cost alone may not be enough to change physician practice patterns



# • Knowledge of cost alone may not be enough to change physician practice patterns

# Dr. Good Memory Story #1

• In both of the above scenarios knowledge of

the cost of testing is not going to change Dr. Good Memory's plan as he believes he is doing what is right for the patient.



### **Back Pain and Cancer**

- When Dr. Good Memory was an intern he had a pt with breast ca who had back pain and LE weakness.
- The patient had a cord compression and Dr. Good Memory didn't catch it.
- He now orders imaging or empiric treatment for all patients with this constellation of symptoms.

# Dr. Good Memory Story #2

#### New Headache

- When Dr. Good Memory was a 3<sup>rd</sup> year resident practicing in clinic he had a young female who complained of a disabling, unilateral, pounding, HA with no neurological symptoms and normal exam.
- She was sent home with analgesics, but months later it was determined that she had CNS lymphoma.
- Dr Good Memory learned from this experience to order a screening head CT for all new patients with HA.

## Uncertainty and Cost Stewardship

- If Dr. Good Memory sees 3 new HA patients a month, he would have seen 1,080 new HA patients in a 30 year career
- At \$326/CT he will have spent \$352,080 during his career on this practice
- This amounts to \$11,736/year

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## Lesson #1

There is always a down side!!!

Balance Benefits with Harms and Costs.



## Lesson #2

Talk to your patient!!

The answer lies in the patient story.

# Migraine Headaches

#### • Migraine –

 Dull throbbing quality, unilateral with photophobia, scalp tenderness, nausea. May last days. May be preceded by

• "POUND"

- Pulsating
- Duration of 4-72
- Unilateral
- Nausea

Disabling



# Red Flags Onset after age 50 Change in HA pattern Acute onset of "worse HA of life" Pt with CA Hx or immuno-compromised HA + Fever Signs of increased ICP Pit on anticoagulation

• HA + Neuro Deficit

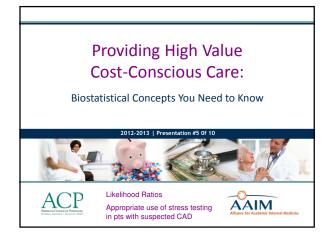
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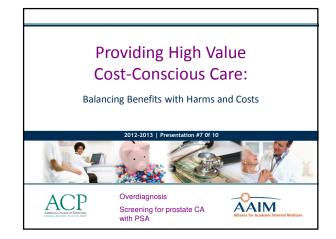
# Lesson #3

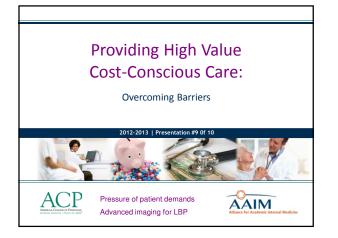
# • There is strength in numbers!!

Rates of Significant Intracranial Abnormalities in Pts with Migraine HA and Normal Neuro Exam

Study	Number of patients	Significant abnormality detected	Rate	Upper 95% CI
MIGRAINE				
Cala, 1976 <sup>8</sup>	32	1	0.031	0.141
Cuetter, 1983 <sup>16</sup>	435	1	0.002	0.011
Cull, 1995 <sup>17</sup>	69	0	0.000	0.043
De Benedittis, 1995 <sup>18</sup>	28	0	0.000	0.103
Hungerford, 1976 <sup>19</sup>	53	0	0.000	0.055
garashi, 1991 <sup>15</sup>	91	0	0.000	0.033
Kuhn, 1990 <sup>20</sup>	74	0	0.000	0.040
Osborn, 1991 <sup>21</sup>	41	0	0.000	0.071
Robbins, 1992 <sup>22</sup>	46	0	0.000	0.064
Sargent, 197923	129	0	0.000	0.023
Sargent, 1983 <sup>2</sup>	88	0	0.000	0.034
Combined	1,086	2	0.0018	0.0059









# Summary

- Providers need to be educated about costs of specific tests and procedures, but this will play only a small part in changing practice patterns
- The biggest contributor to cost control will be the effective dissemination of medical literature and evidence based guidelines that can inform decisions about high value care

# Summary

- Practice patterns are often established during residency training.
- Therefore it is important to formally educate residents about methods for delivery of high value care
- Your institution has the opportunity to take a leadership role in this type of resident education by studying the ACP/AAIM High Value Care Curriculum

# **Questions or Comments**

