John Rayner
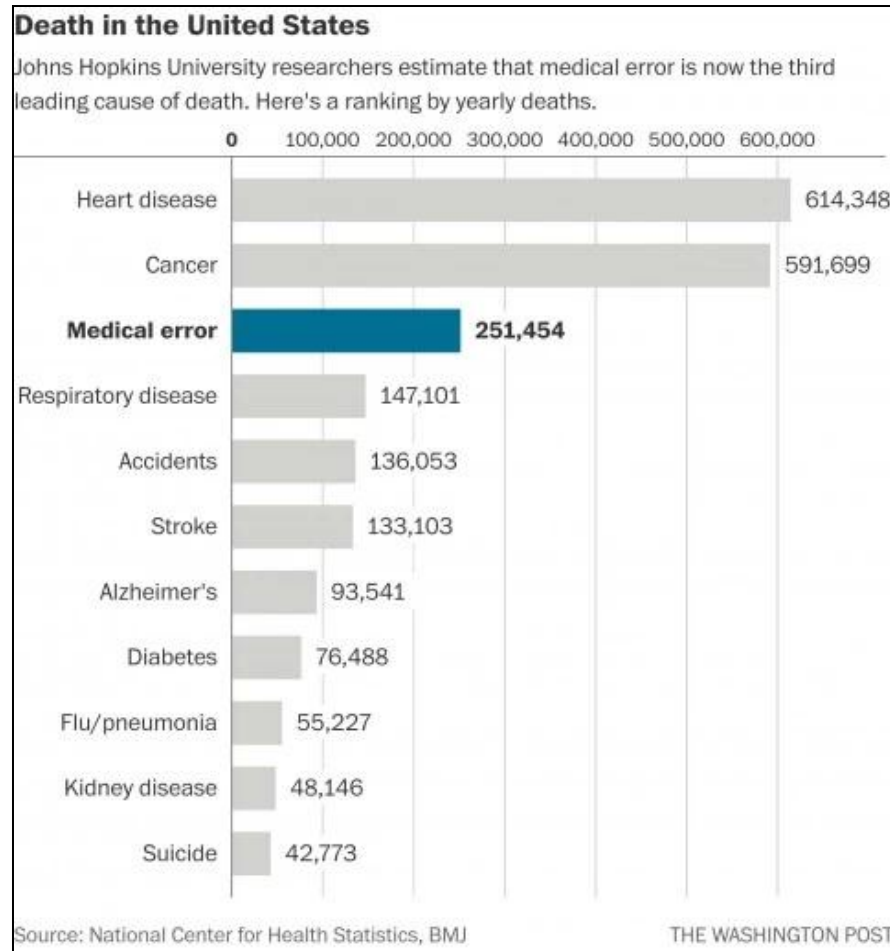
Regional Director

Europe and Latin America

HIMSS Analytics

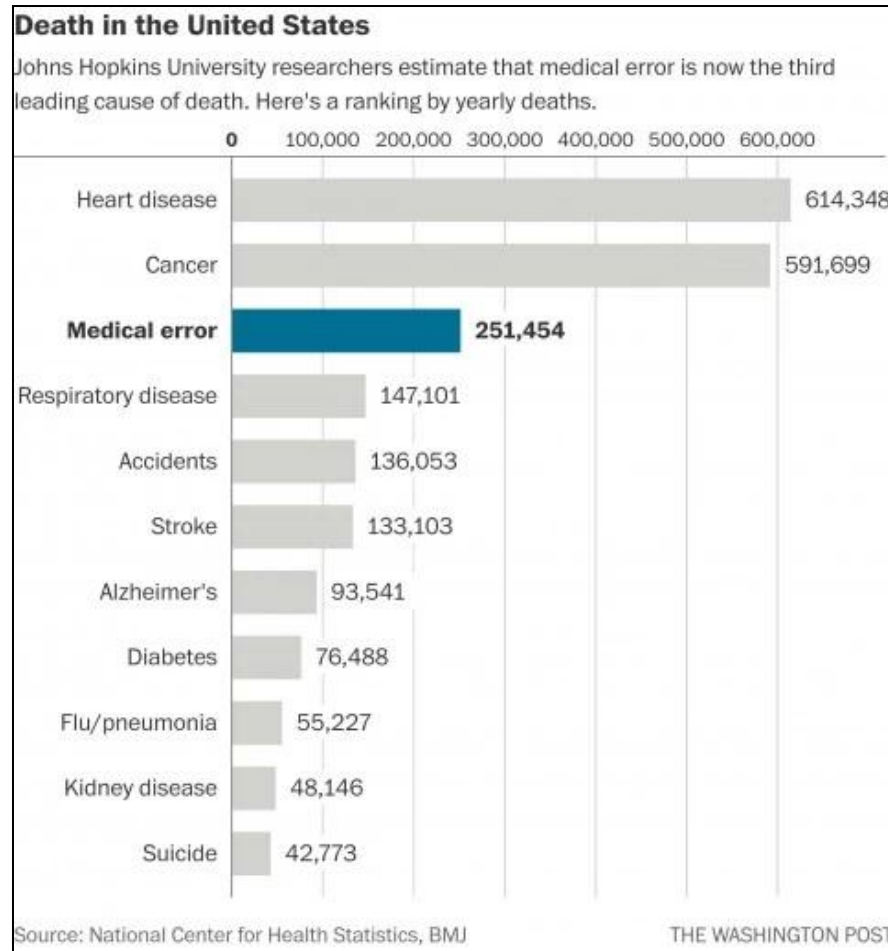# HIMSS…

VISION

Improve health through the better use of technology and information

250,000 US Citizens die each year as a result of Medical Error

Death in the United States

Johns Hopkins University researchers estimate that medical error is now the third leading cause of death. Here's a ranking by yearly deaths.

Cause	Yearly deaths
Heart disease	614,348
Cancer	591,699
Medical error	**251,454**
Respiratory disease	147,101
Accidents	136,053
Stroke	133,103
Alzheimer's	93,541
Diabetes	76,488
Flu/pneumonia	55,227
Kidney disease	48,146
Suicide	42,773

Source: National Center for Health Statistics, BMJ   THE WASHINGTON POST

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THE WASHINGTON POST

9.5% of the total number of annual deaths

8000 of those are drug errors

60,000 die each year without appropriate health care.

Many of these deaths are preventable.

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The NHS in the UK causes 40,000 deaths a year

7% of the total number of annual deaths

900 of those are drug errors

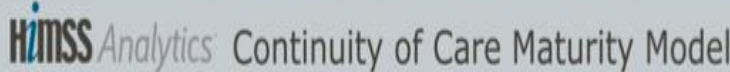**Many of these deaths are preventable**

Poland?

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Measuring EMR adoption…

STAGE	HIMSS Analytics EMRAM — EMR Adoption Model Cumulative Capabilities
7	Complete EMR, Data Analytics to improve care
6	Physician Documentation (templates), Full CDSS, Closed Loop Medication Administration
5	Full R-PACS
4	CPOE; Clinical Decision Support (clinical protocols)
3	Clinical Documentation, CDSS (error checking)
2	CDR, Controlled Medical Vocabulary, CDS, HIE Capable
1	All Three Ancillaries Installed — Lab, Rad, Pharmacy
0	All Three Ancillaries Not Installed

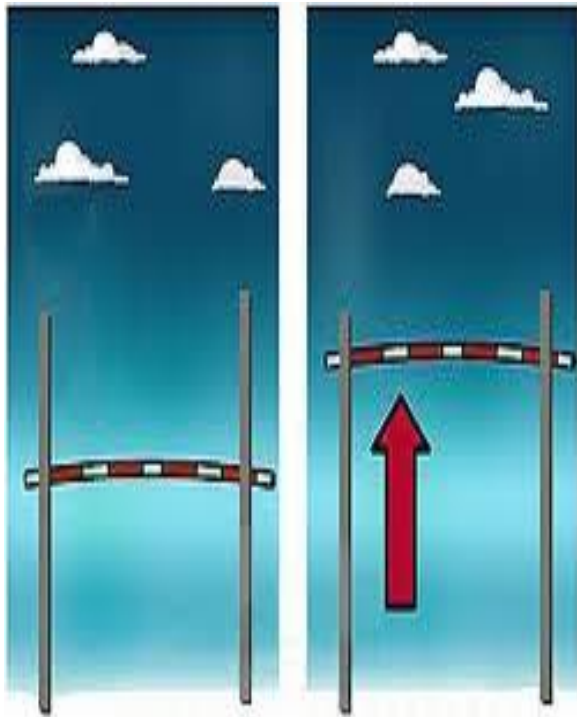| HIMSS Analytics Continuity of Care Maturity Model	
STAGE 7	Knowledge Driven Engagement for a Dynamic, Multi-vendor, Multi-organizational Interconnected Healthcare Delivery Model
STAGE 6	Closed Loop Care Coordination Across Care Team Members
STAGE 5	Community Wide Patient Record using Applied Information with Patient Engagement Focus
STAGE 4	Care Coordination based on Actionable Data using a Semantic Interoperable Patient Record
STAGE 3	Normalized Patient Record using Structural Interoperability
STAGE 2	Patient Centered Clinical Data using Basic System-to-System Exchange
STAGE 1	Basic Peer-to-Peer Data Exchange
STAGE 0	Limited to No E-communication

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The acute hospital EMRAM...

- Individual hospitals
- Hospital groups
- Health Ministries
- Regions and countries

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The Continuity of Care Maturity Model...

- Whole systems approach
- Leadership challenge
- Financial challenge

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The three enablers….

MONEY

Is there a willingness to invest?

CLINICAL ENGAGEMENT

Are clinicians involved at all levels?

LEADERSHIP

Where are the leaders and are they strong enough?

Measuring EMR adoption….

- Create strategic road maps and build capability

- Understand start position

- Measure progress

- Benchmark

- Highlight international best practice

Thank you

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