

## **REALITY CHECK**

Poor data quality, stemming from inadequate data literacy, costs organizations around **\$12.9 million each year.** 

https://www.wolterskluwer.com/en/expert-insights/the-cost-benefit-of-data-quality-and-strategy-in-healthcare)



Hospitals lose an average of \$70.2 million annually, or about 15% of potential additional revenue, by failing to utilize their data fully.



https://www.informationweek.com/it-sectors/poor-data-management-costs-healthcare-providers)

## Major pain points driving losses

Area Impact Description

Staff spend hours fixing data errors instead of Operational inefficiencies providing care, delaying decisions and care

Administrative costs & friction Misaligned data inflates admin burden and payer/provider disputes—especially in benefits

onboarding and claims .

Bad data slows down diagnostics, delays care, and causes workflow errors. Hospitals miss out on actionable treatment plans.

Low health literacy—another dimension of poor data use—leads patients to misunderstand treatment, resulting in more emergency visits and rehospitalizations

Miscommunication around medication dosing can lead to significant treatment mistakes and litigation costs

Medication errors & patient safety

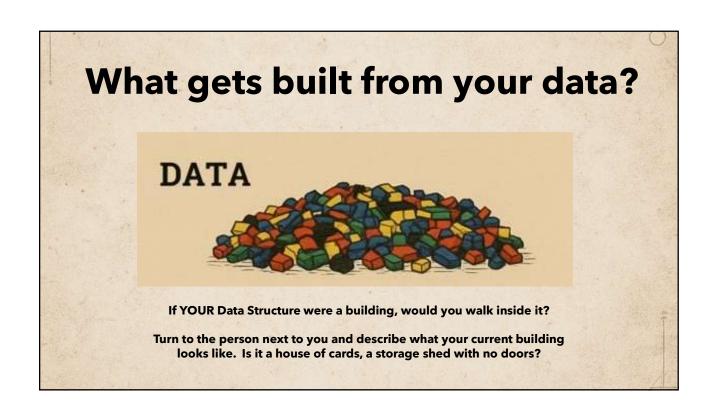
**Increased ED visits & readmissions** 

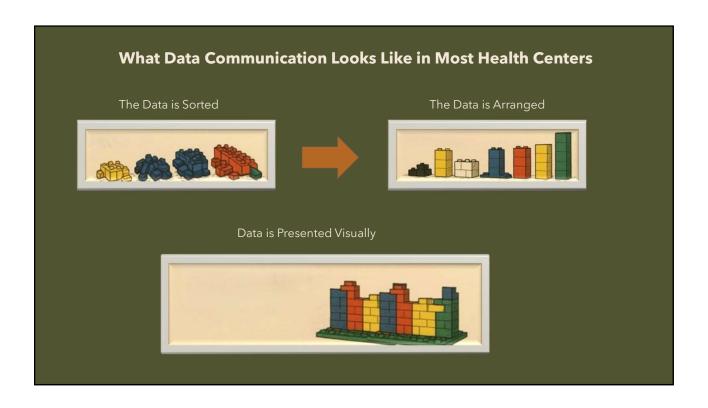
**Clinical inefficiencies** 

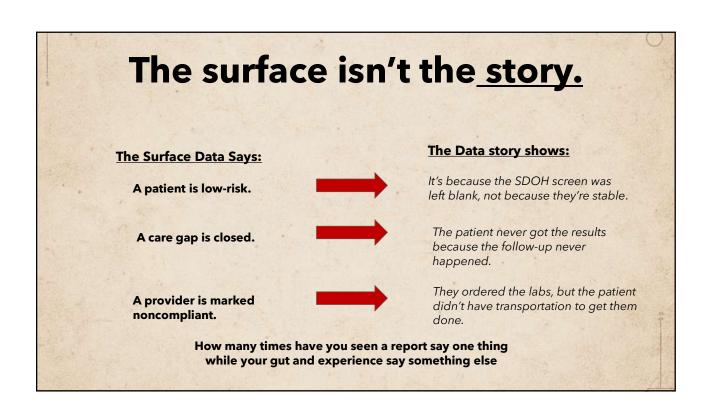
# **What IS Data Literacy?**

The ability to understand, interpret, find meaning in, and communicate using data

If we gave your team a data quiz today, how many would pass? (And how many would set the test on fire?)



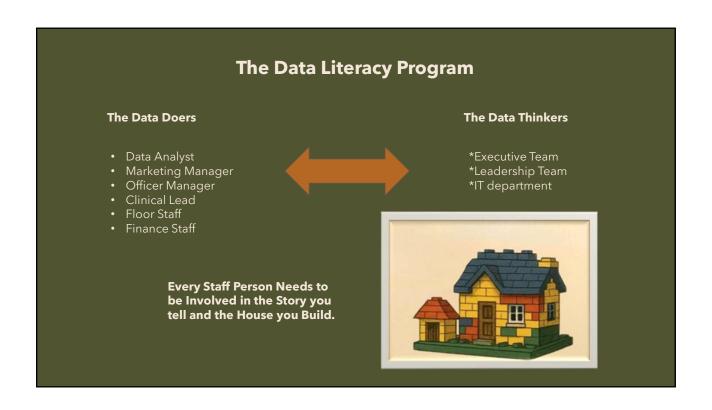




## **REALITY CHECK**

# Who owns the truth in your organization right now?

IT?
Finance?
Whoever talks the loudest?



## **What a Fully Functional Data Literacy Program Looks Like**

#### **PURPOSE + OUTCOMES**

- A clear definition of what data literacy is for you
- · Tied to business goals and decision-making.
- Used to reduce risk, boost performance, and improve care quality.

#### Assessment

- Role-based skill measurement
- Organizational Gap Analysis
- Literacy Scores Tracked over Time

#### **Governance Integration**

- Literacy Goals Tied to Governance Policies
- Expectations Built into Roles & Reviews

#### **Learning & Development**

- Structured Training by Role
- · On-the-job learning, mentorship
- Data coaching + peer support

#### **Cultural Adoption**

- · Leadership Support
- · Visible Use of Data in Decisions
- · Incentives, Recognition & Accountability

#### **Continuous Improvement Loop**

Measure → Reassess → Refine

## **REALITY CHECK**

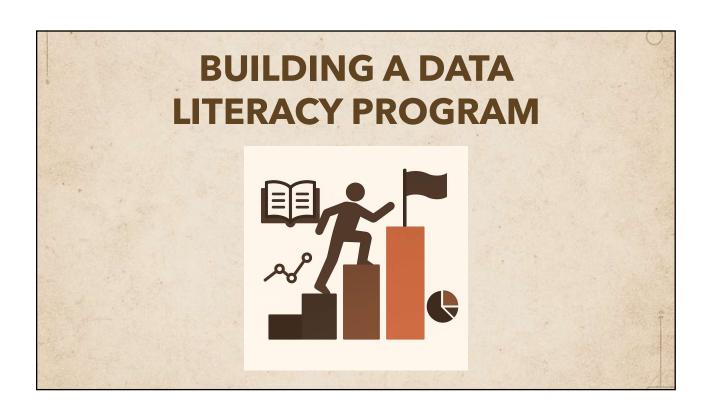
Are your staff being evaluated on outcomes they don't control, based on data they didn't define?

Who built the metrics that your staff are being judged against?

And did they ever do the job?

Do your metrics reflect how care is delivered, or just how it's documented?

If your staff could rewrite the metrics they're judged by, what would they change first?



## **DLBOK**

Data Literacy Body Of Knowledge

#### **Data & Databases**

- Includes relational databases, spreadsheets, flat files, and modern systems like NoSQL

#### **Data Governance & Knowledge**

- privacy concerns
  Encourages collective understanding, not siloed or

#### **Data Provisioning**

- Skills for finding the *right* data Evaluate trustworthiness and quality
- Prepare and transform data for analysis–cleaning, enriching, and formatting





#### **Data Resource Management**

- Focuses on how data is organized and maintained across systems
  Supports data reuse, cross-team sharing, and lifecycle
- Distinguishes between what "Doers" need vs. what "Thinkers"

#### **Data Analysis & Visualization**

- Learn how to explore data, spot trends, and extract meaning
   Includes statistical literacy, pattern recognition, and chartbuilding
  Emphasizes turning insights into action, *not* just pretty
- graphs

## **Where To Start**

#### Start with one pain point.

Pick a place where your team struggles with reports, decisions, or outcomes that feel off. That's your entry point.

#### Make it okay to ask questions.

Normalize curiosity. If someone says, 'This doesn't feel right,' that's not a problem. That's progress.

## And if you're stuck . . .

If you know your data is a problem, but you're not sure how to fix itor where to even begin-it's okay to bring in help.

#### Look at the story, not the format.

Ask: What does this data say? Does it match what's actually happening?

#### Find your "Data Skeptic."

Every team has someone who spots weird patterns, double-checks numbers, and doesn't blindly trust the system. That person? They're your anchor."

#### DATA-DRIVEN INSIGHTS

### TURN INFORMATION INTO INSIGHT

A strong, data-driven insight should communicate what happened, why it happened, and how you recommend taking action (this one is key!)



#### Tips for writing effective insights:

- ✓ Tell a clear and logical story
- ✓ Support your findings with hard data and facts
- Provide meaningful context behind key data points
- ✓ Include actionable recommendations and next steps



# Data literacy is not a project. It is a medical necessity.

Next time you look at a data point-

Write one clear sentence about what it means.

Add one real example of why it matters.

## **Know your Story**





