

Why Maturity Models?



IDENTIFY THE TARGET

Working towards a standard



UNDERSTANDING YOUR ORGANIZATION

Internal and External analysis



TOOL TO ENGAGE LEADERSHIP

Actionable information for planning

Maturity Index

Measures *organizational capacity to deliver a service*, taking into account multiple factors, including:



Culture



Policy



Organization

Building a Research IT Maturity Index

EDUCAUSE Research
technology Maturity Index



CATEGORIES,
STRUCTURE AND
STATEMENTS from
Clinical Research
Forum IT Roundtable

Focus Groups



Medical Research IT SMEs

Draft
Maturity Index



Pilot
Maturity Index
(Organizational Capacity)

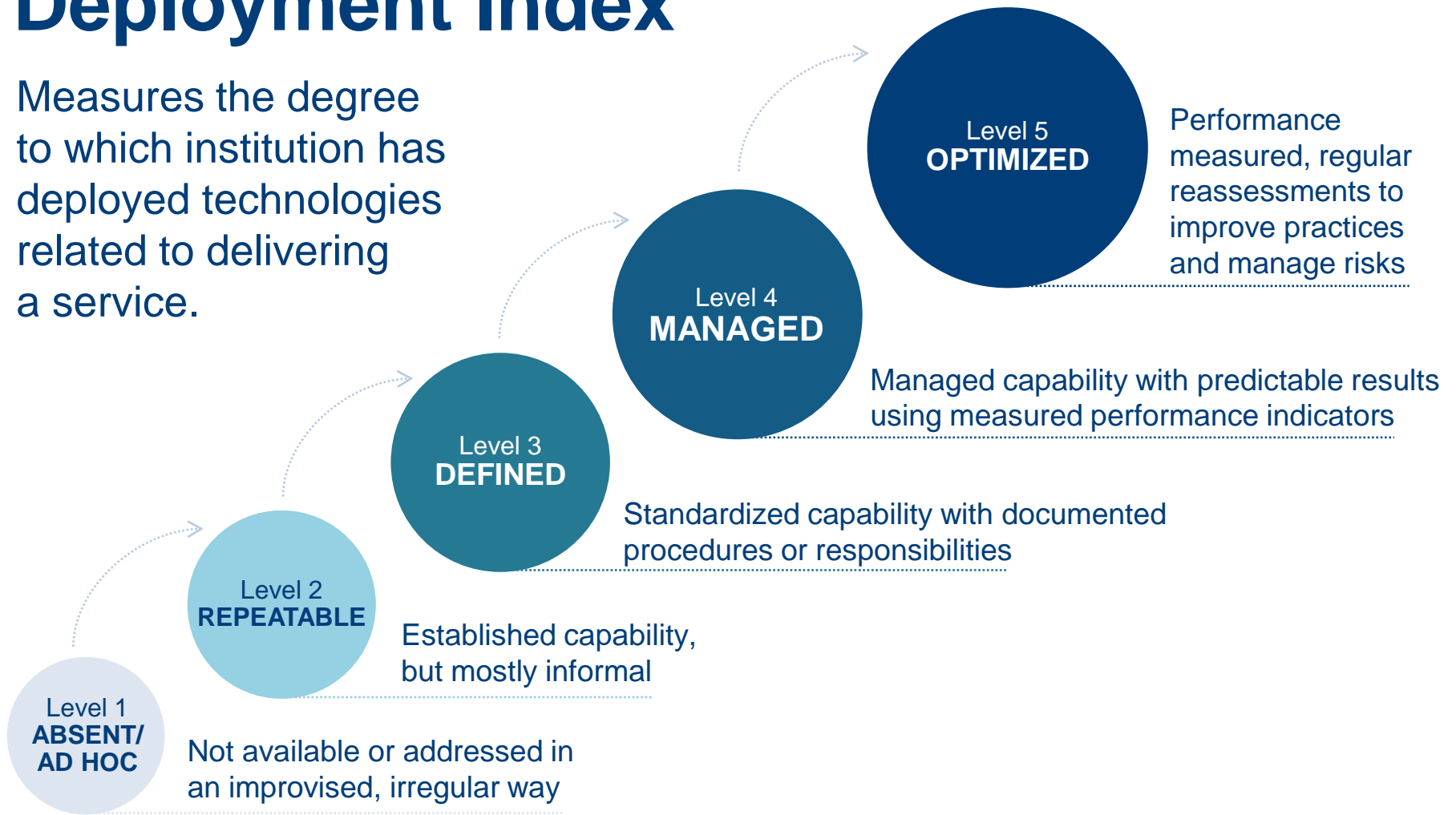


MEDICAL SCHOOL
PERSPECTIVE &
NEW STATEMENTS

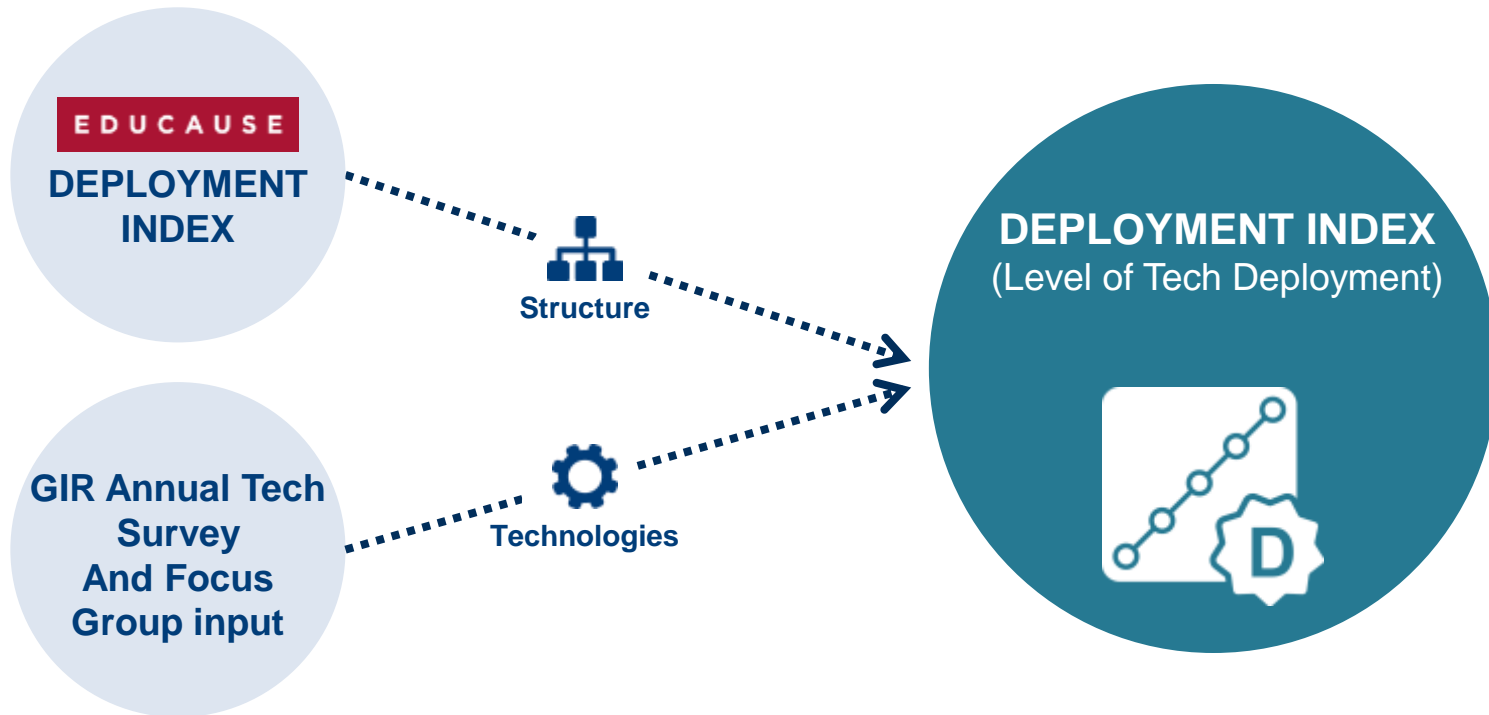


Deployment Index

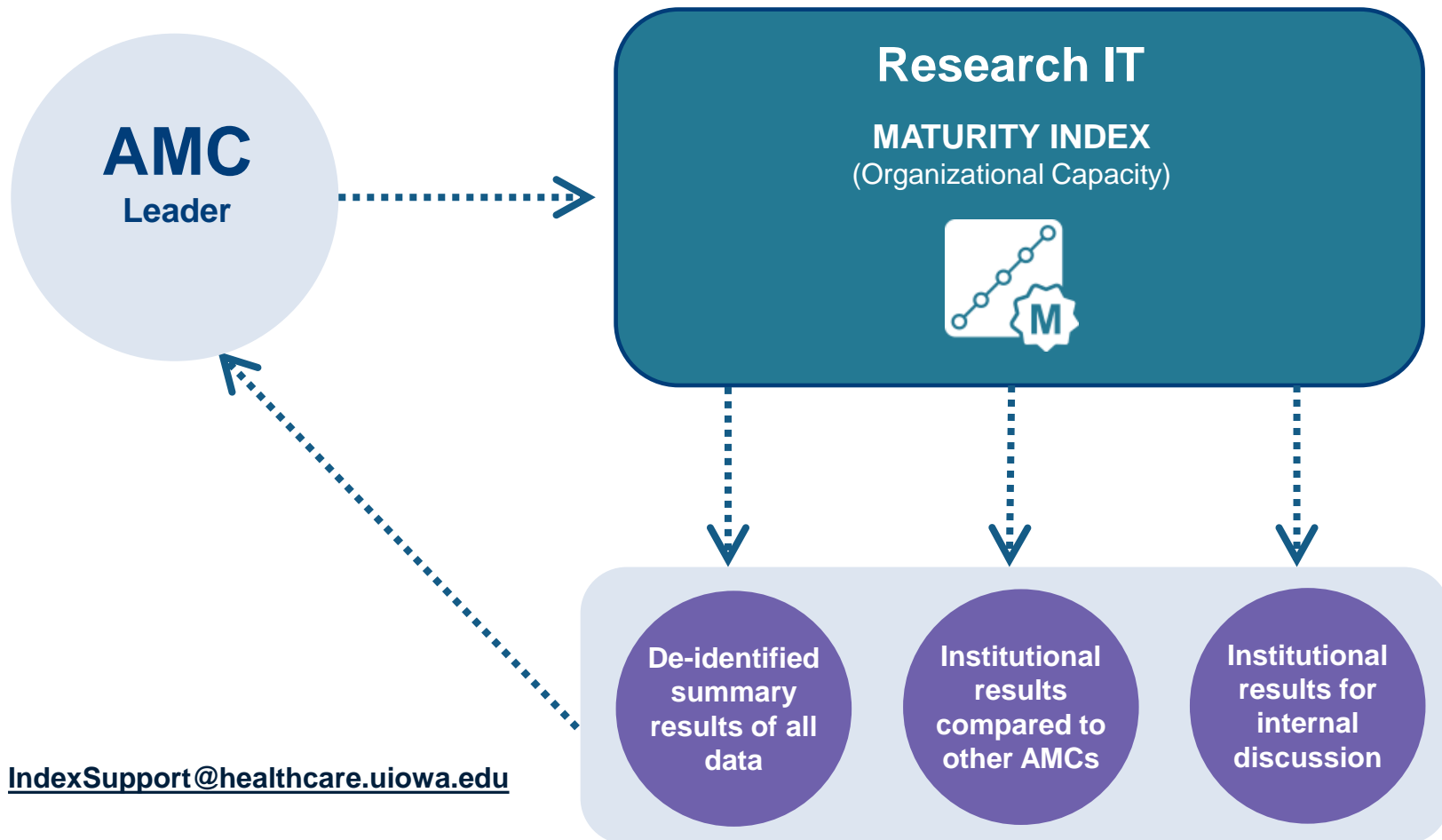
Measures the degree to which institution has deployed technologies related to delivering a service.



Building the Research Tech Deployment Index



Thinking Ahead – Online, Open Tool



IndexSupport@healthcare.uiowa.edu

Research IT Maturity Index Categories



Policies



Leadership



Governance



Supportive Culture



Priority



**Integration of Clinical IT with
the Research and Teaching
missions**



Dedicated Infrastructure

Reviewing the draft Research IT Maturity Index



Does captured information determine organizational capacity to deliver a service?



What are the gaps in the index?



What could be taken out (e.g. redundancies)?

Research IT Deployment Index Categories

Research Technologies

Mass Storage, High Performance Computation, Support for research instrumentation in basic science labs, Data Capture Services, Bioinformatics tools (to process sequence and genetic data), Biosample Tracking Databases, Research Imaging Databases, Genomics databases, Protocol Design, Registry Systems, Clinical Research Data Warehouse, Software Licensing Programs, Research and EMR integration (for patient safety, recruitment...), EMR query tools for de-identified data, EMR Query tools for identified data, Natural Language Processing for EMR Notes, Systems for Genotype/Phenotype Integration for Precision Medicine, Clinical Research Data Networks, Collaboration Tools for Research Purposes, Telepresence

Admin research tools

Clinical Trials management systems, Faculty research interest database, Grant submission tools, Internal pilot grant review tools, Research Service Management Tools, Electronic IRB submission and review tools

Research IT Maturity Index:

<https://tinyurl.com/zelua4q>

Research IT Deployment index

<https://tinyurl.com/heh5tva>