



# Digital Convergence

Ushering in a new age  
for healthcare and  
biomedical research

Harold Timboe, MD

Asst. VP for Research Administration

University of Texas Health Science  
Center at San Antonio

“The health of the people is really the foundation upon which their happiness and the power of the state depend.”

Thomas Jefferson

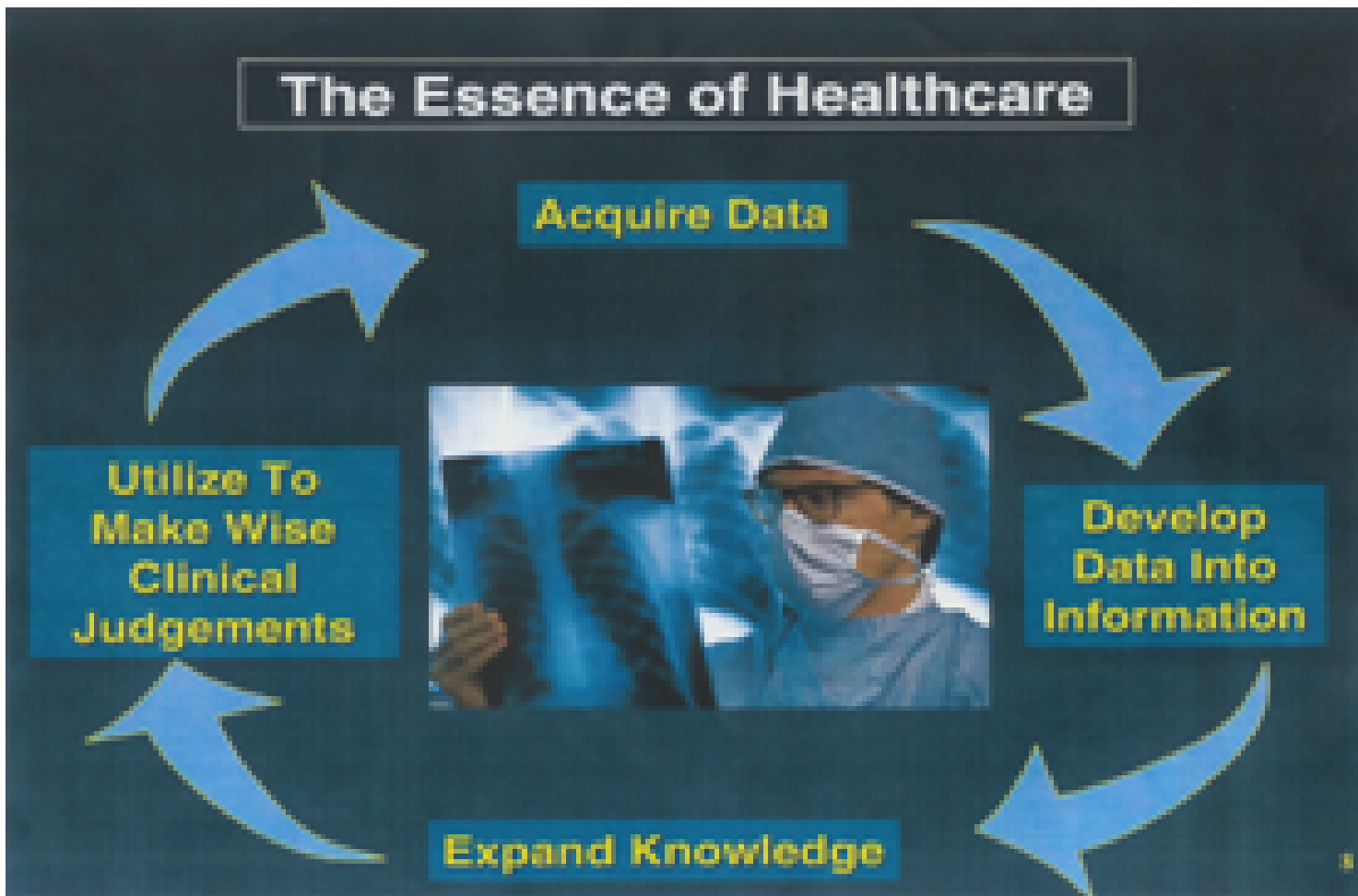
- Quality of life
- Vibrant, productive workforce





# Transforming health care through Information Technology

The power to integrate



# Controlling Costs while Improving Outcomes

Maintaining a healthy population

Managing chronic disease

Safe, efficient and effective hospitalizations

Modern business/supply chain practices

**Integrated IT has a role in all of these**



# THE NIH ROADMAP

## 21<sup>st</sup> Century Research

### biotech, nanotech, infotech

#### New Pathways to Discovery

Molecular libraries and imaging

Structural biology

Bioinformatics and computational biology

Nanomedicine

#### Research Teams of the Future

High-risk, interdisciplinary, reduce barriers

Public-private partnerships

#### Reengineering the Clinical Research Enterprise

Regulations, integrating networks, outcomes assessment

# **National Health Information Infrastructure And Federally-Funded Health Care**

**Can have an important role in  
moving this agenda forward**

- Integrating the health enterprise across time, geography, and dispersed, mobile populations; providing large scale, multi-site clinical research capacity
- NHII will be a key enabler