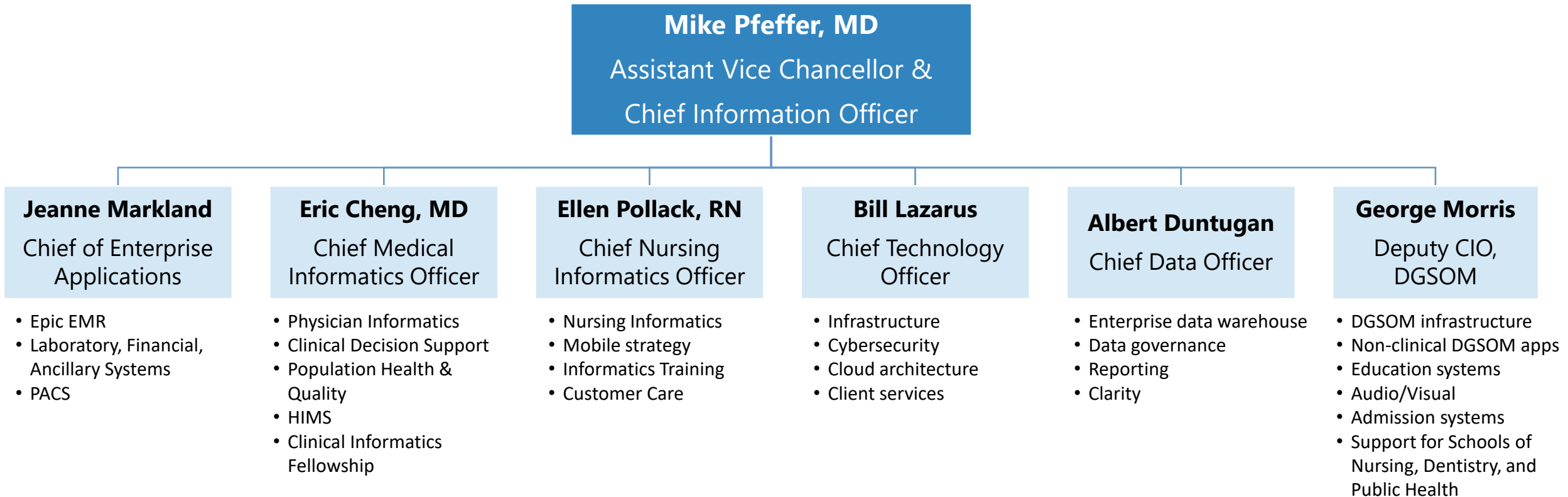


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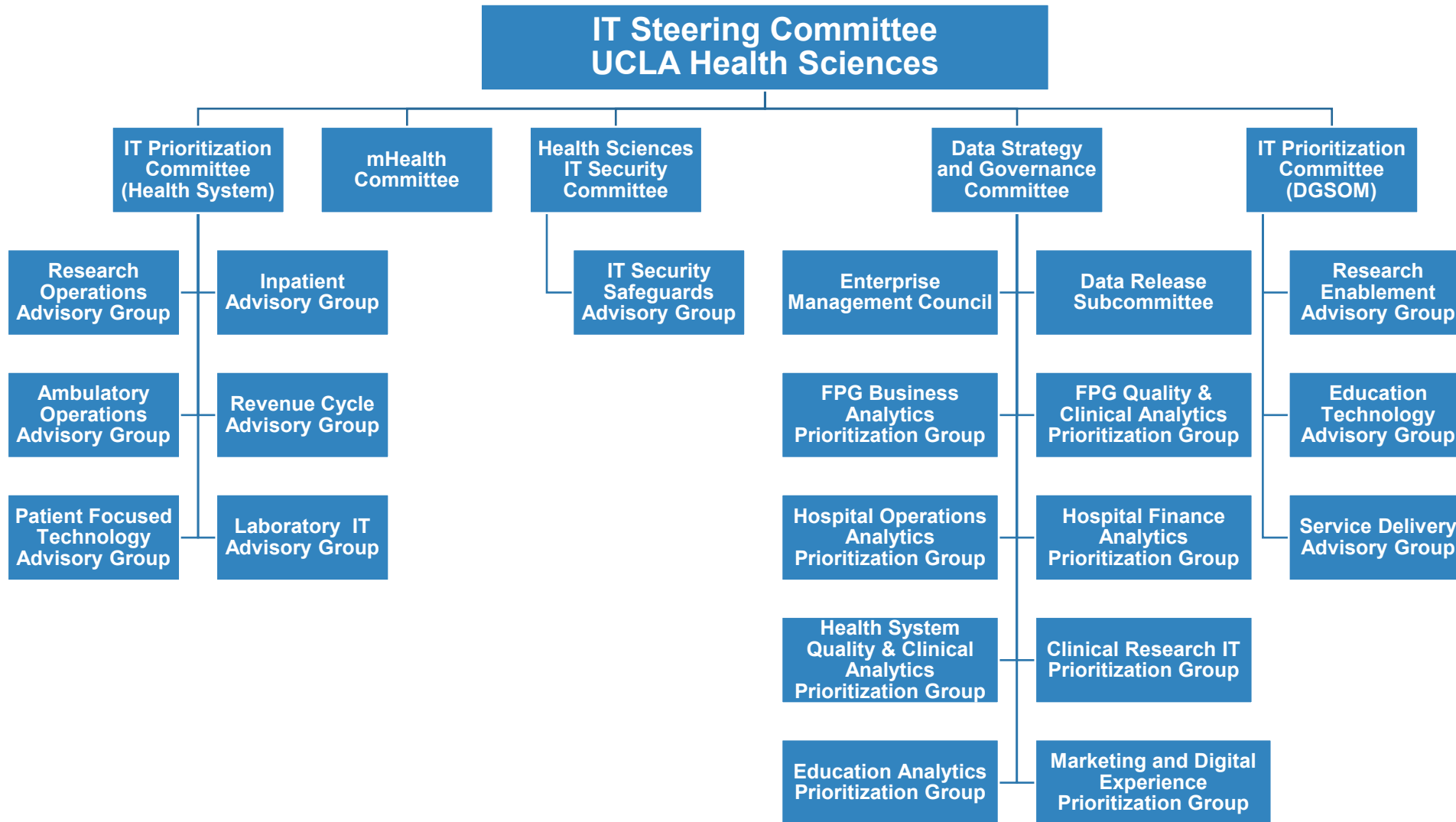
Michael A. Pfeffer, MD
Chief Information Officer, UCLA Health Sciences

May 24, 2021








UCLA Health IT (UHIT) Organization



Health Sciences IT Governance

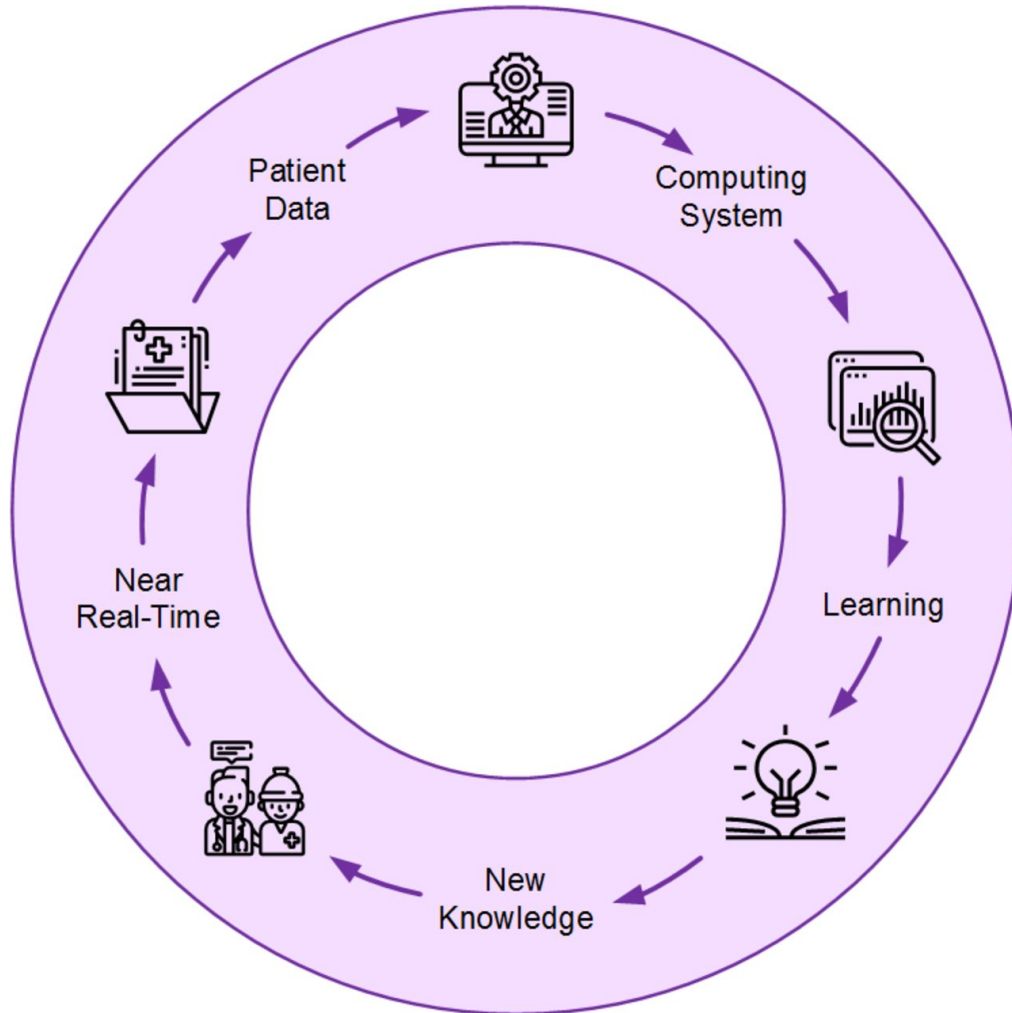


High Level CIO Strategic Objectives

-  **Modernizing Infrastructure**
 - Networking, data center migration, endpoints
-  **Cloud Migration**
 - Analytics platform → Disaster Recovery → Production systems
-  **Cybersecurity**
 - Operational and respond/recover → AI/autonomous response technologies
-  **Data and Analytics**
 - HIPAA platform for researchers, robust access to all datasets in various levels of deidentification
-  **Precision Health and AI**
 - Discrete genomics in EHR → AI in EHR using omics and socioeconomic data for decision support
-  **Digital Patient Experience**
 - Customer relationship management system → uniform digital & telehealth experience
-  **Digital Clinician Experience**
 - Optimization of IT tools → new technologies to improve experience → automation and decision support

IT Talent

Learning Health System Characteristics



- **Culture:** participatory, team-based, transparent, improving
- **Design and processes:** patient-anchored and tested
- **Patients and public:** fully and actively engaged
- **Decisions:** informed, facilitated, shared, and coordinated
- **Care:** starting with the best practice, every time
- **Outcomes and costs:** transparent and constantly assessed
- **Knowledge:** ongoing, seamless product of services and research
- **Digital technology:** the engine for continuous improvement
- **Health information:** a reliable, secure, and reusable resource
- **The Data utility:** data stewarded and used for the common good
- **Trust fabric:** strong, protected, and actively nurtured
- **Leadership:** multi-focal, networked, and dynamic

McLachlan S, Dube K, Kyrimi E On behalf of HiKER (Health informatics and Knowledge Engineering Research) Group, *et al*
LAGOS: learning health systems and how they can integrate with patient care
BMJ Health & Care Informatics 2019;26:e100037. doi: 10.1136/bmjhci-2019-100037

SOURCE: Adapted from The Learning Healthcare System (IOM, 2007)