UCLA Health Data Week 2021

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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
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

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