Competencies and Curricula Across the Spectrum of Learners for Health Informatics

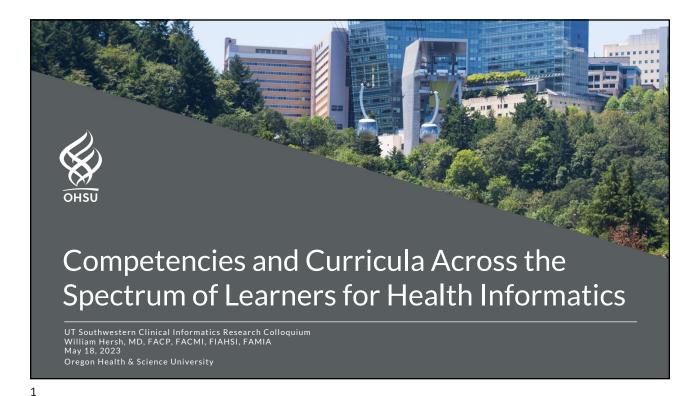
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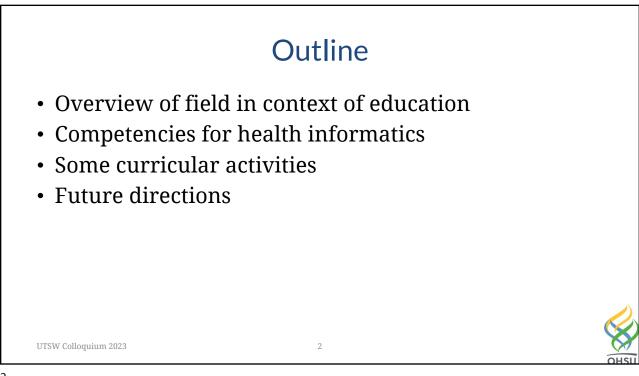
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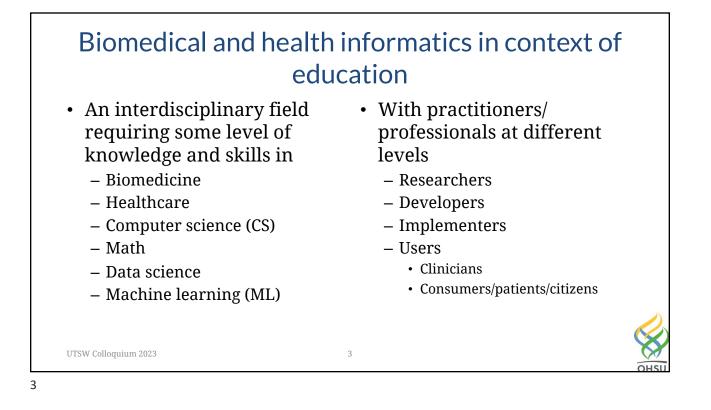
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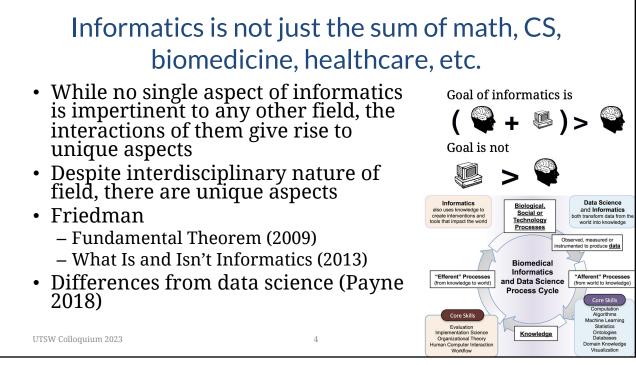
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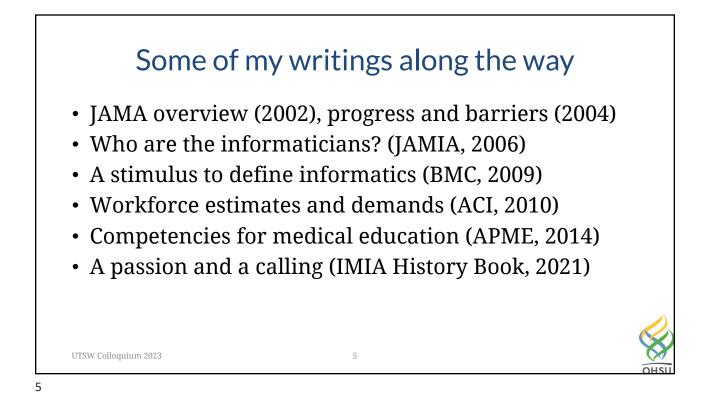
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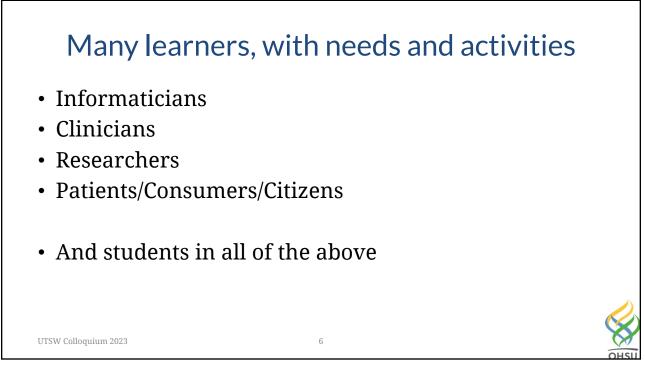


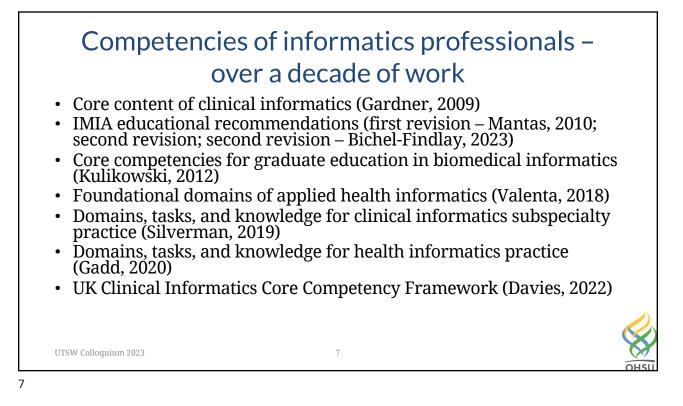




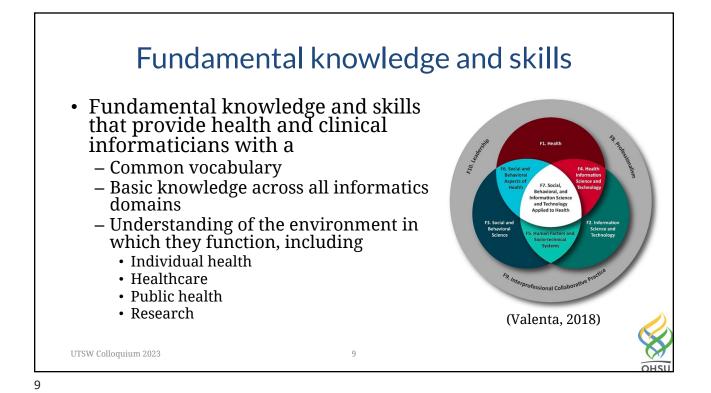


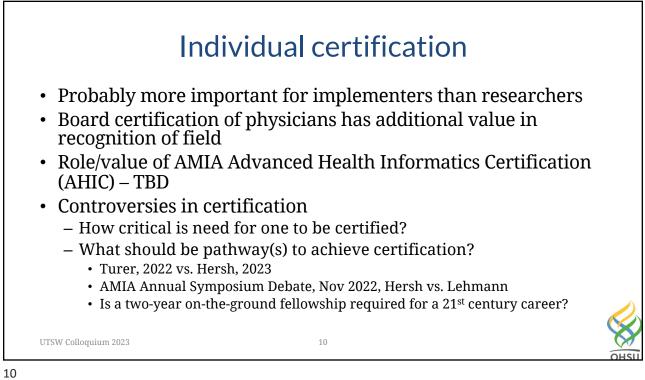


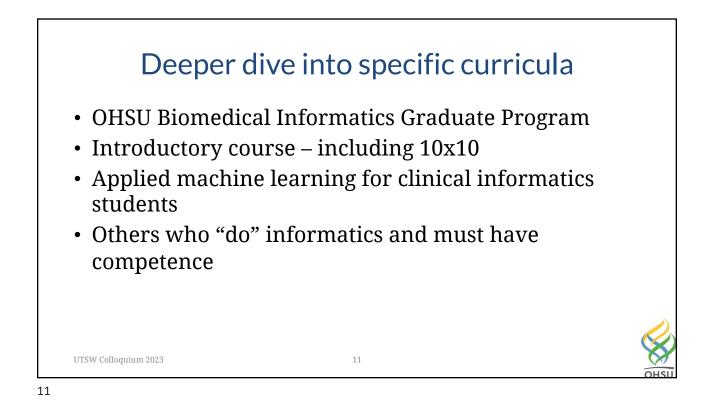


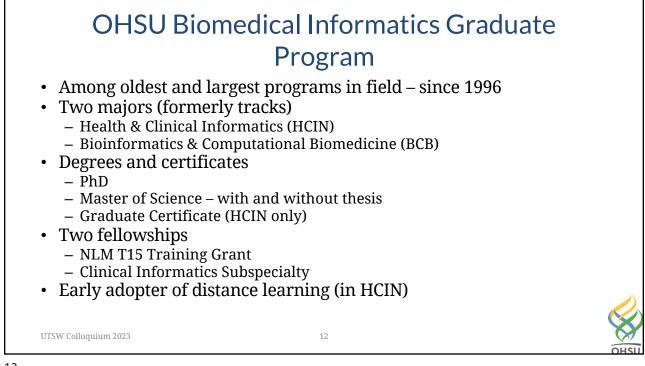


Health Informati	63		
Domains		Task statements	KS statements
Domain 1. Foundatio	nal Knowledge and Skills	NA	31
Domain 2. Enhancing	g Health Decision-making, Processes, and Outcomes	11	21
Domain 3. Health Info	ormation Systems	26	36
Domain 4. Data Gove	ernance, Management, and Analytics	17	28
		20	28
Domain 5. Leadershi	p, Professionalism, Strategy, and Transformation	20	20
Domain 5. Leadershi Total	p, Professionalism, Strategy, and Transformation	74	144
Total Clinical Informat	p, Professionalism, Strategy, and Transformation	74	144
Total			
Total Clinical Informat Domains		74 Task	144
Total Clinical Informat Domains Domain 1. Foundatio Domain 2. Improving	ics Subspecialty (CIS) nal Knowledge and Skills Care Delivery and Outcomes	74 Task statements NA 7	144 KS statements 26 28
Total Clinical Informat Domains Domain 1. Foundatio Domain 2. Improving Domain 3. Enterprise	ics Subspecialty (CIS) nal Knowledge and Skills Care Delivery and Outcomes e Information Systems	74 Task statements NA 7 16	144 KS statements 26 28 33
Total Clinical Informat Domains Domain 1. Foundatio Domain 2. Improving Domain 3. Enterprise Domain 4. Data Gove	ics Subspecialty (CIS) nal Knowledge and Skills Care Delivery and Outcomes	74 Task statements NA 7	144 KS statements 26 28



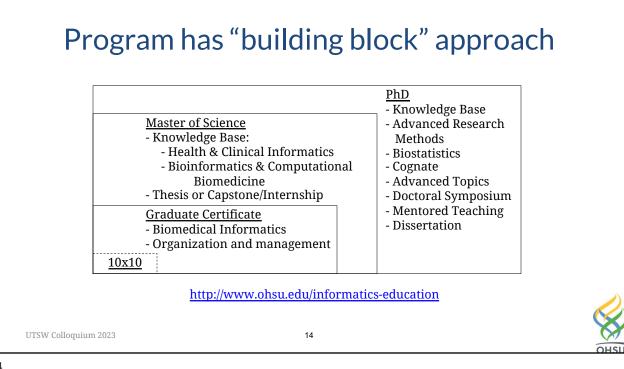


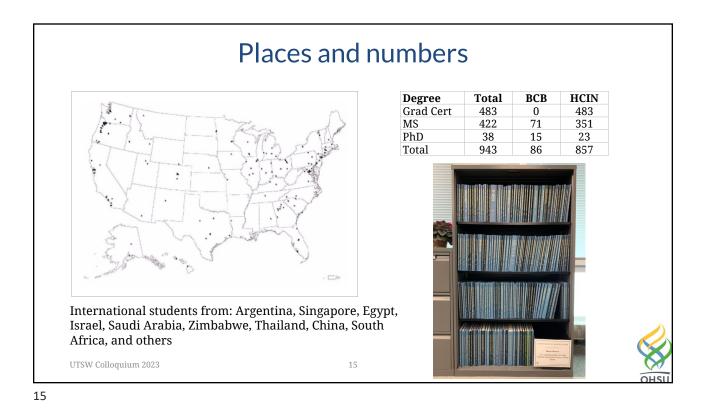


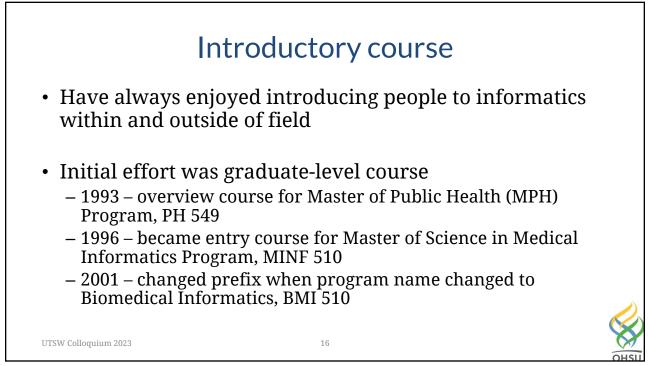


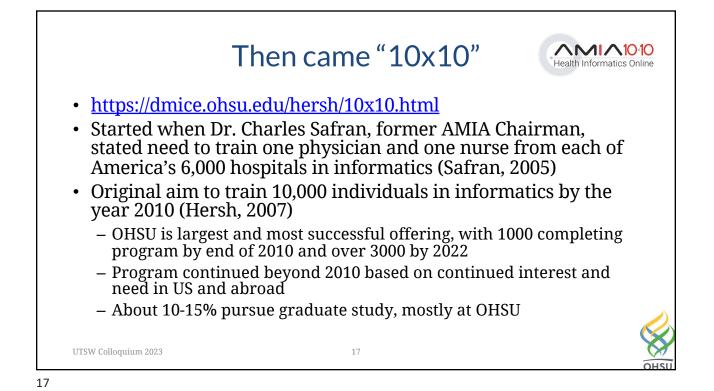
OHSU biomedical informatics core curriculum domains

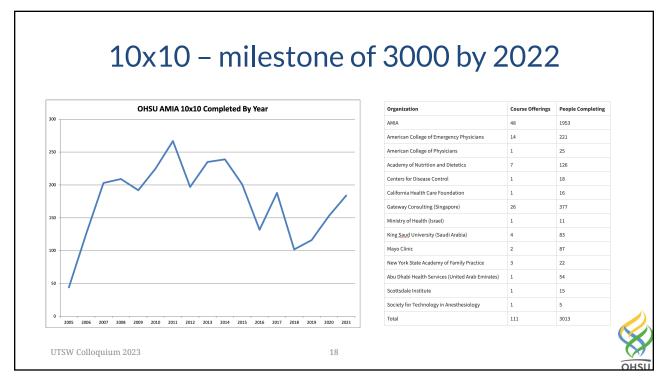
High-Level Competency	Domain Names for Health & Clinical Informatics (HCIN)	Domain Names for Bioinformatics & Computational Medicine (BCB)	
Apply core concepts of using data, information, and knowledge to advance health and biomedicine	Health & Clinical Informatics	Bioinformatics & Computational Biomedicine	
Apply knowledge of appropriate area(s) of health and biomedicine to informatics practice and research	Health Care	Biomedical Science	
Apply computing skills to biomedical informatics	Computer Science	Computer Science	
Apply quantitative methods to biomedical informatics	Evaluative Sciences	Biostatistics	
Apply people and organizational knowledge to informatics	Organizational Behavior and Management	N/A	
Apply advanced scholarship to biomedical and health informatics	Thesis/Capstone/Dissertation Requirements	Thesis/Capstone/Dissertation Requirements	
SW Colloquium 2023	13		



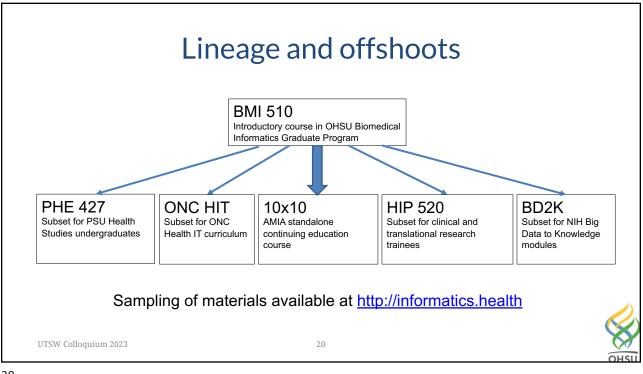


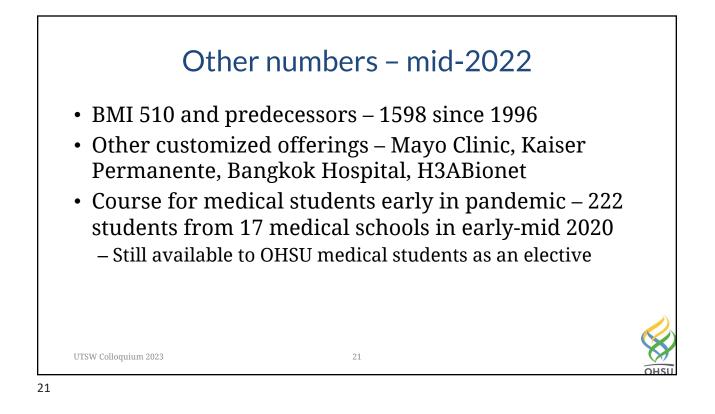


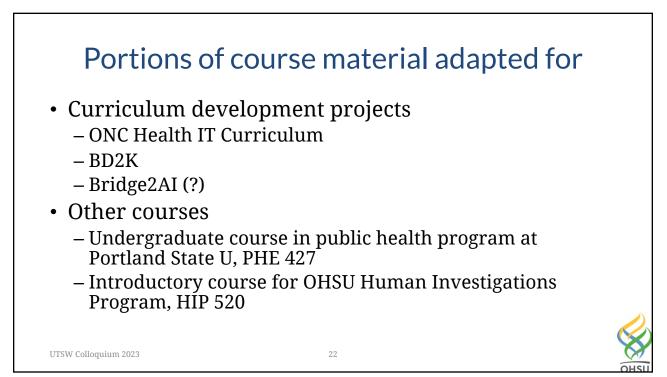












Content of introductory course

Unit	Торіс		
1	Overview of Field and Problems Motivating It		
2	Computing Concepts for Biomedical and Health Informatics		
3	Electronic and Personal Health Records (EHR, PHR)		
4	Standards and Interoperability		
5	Data Science and Artificial Intelligence		
6	Advanced Use of the EHR		
7	EHR Implementation, Security, and Evaluation		
8	Information Retrieval (Search)		
9	Research Informatics		
10	Other Areas of Informatics		

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