

# Population Health (HLTH)

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## **HLTH 6000. Professional Development for Emerging Health Professionals. 3 Hours.**

Professional Development for Emerging Health Professionals is a comprehensive three-credit hour course designed for Master of Health Administration (MHA) students. This 14-week program is tailored to equip students with essential skills and knowledge to excel in their internship, post-grad job search, and fellowship applications. The course encompasses various topics, including internship and fellowship opportunities, professional organization engagement, effective offer negotiation, interview and application preparation techniques, networking strategies, and job fair participation. Through this course, students will gain a competitive edge, fostering career growth and success in the dynamic healthcare industry. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Create a professional resume and cover letter. 2. Create a LinkedIn Profile. 3. Employ networking skills to build their professional network. 3. Develop leadership and relationship management skills. 4. Engage in informational interviewing. Prerequisites: Admission to the Master's of Healthcare Administration at Utah Tech University. FA.

## **HLTH 6001. Healthcare Economics and Policy. 3 Hours.**

Healthcare Economics and Policy is a comprehensive three-credit-hour professional development course for Master of Health Administration (MHA) students. This 14-week program delves into the intricacies of healthcare economics, policy, and legislative functions that significantly influence healthcare delivery. The course equips students with a thorough understanding of the economic principles driving healthcare systems, formulating and analyzing healthcare policies, and the critical role of legislation in shaping healthcare practices. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Understand basic healthcare economic principles. 2. Utilize economic perspectives to understand current and proposed healthcare policy. 3. Explain the economic perspectives that drive policy decision-making around finance and delivery of health services. Prerequisites: Admission to the Master's of Healthcare Administration program at Utah Tech. FA.

## **HLTH 6002. Revenue Cycle Management and Health Plans. 3 Hours.**

Revenue Cycle Management and Health Plans is a comprehensive three-credit-hour professional development course tailored for Master of Health Administration (MHA) students. Over 14 weeks, this program offers a deep dive into revenue cycle management, health plans, Medicaid, Medicare, healthcare finance, and accounting. Through an integrated approach, students will gain a profound understanding of how health plans function, how legislative and policy factors impact revenue cycle management, and the critical role of the revenue cycle in influencing cash flow. By exploring the intersections of healthcare economics, policy, and accounting, students will be equipped with essential skills to optimize revenue operations, enhance financial performance, and navigate the complexities of the evolving healthcare landscape. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Explain the public and private sources of health insurance coverage. 2. Describe the factors third-party payers consider when setting premium and reimbursement rates. 3. Describe the various reimbursement methods utilized by third-party payers. 4. Utilize reimbursement methodologies that impact coding and billing compliance, value-based purchasing initiatives, and revenue cycle management. Prerequisites: Admission to the Master of Healthcare Administration program and students must have passed a financial accounting course (Grade B- or higher). FA.

## **HLTH 6003. Health Services Administration. 3 Hours.**

Health Services Administration is a dynamic three-credit-hour course for early-career healthcare professionals pursuing a Master of Health Administration (MHA). Over 14 weeks, this course offers a comprehensive overview of various departments and service lines within a primary health system. By exploring the diverse roles and functions across healthcare departments, students will be equipped to navigate the complexities of health services administration, fostering their potential for impactful and successful healthcare leadership. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Apply the principles of a healthcare organization, management, and problem-solving as a basis for action and leadership. 2. Employ techniques that manage positive relationships with individuals and teams. 3. Engage in crucial conversations. 4. Communicate and navigate the healthcare industry based on knowledge of organizational participants, governance structures, funding mechanism, and health policy and economics. Prerequisites: Admission to the Master's of Healthcare Administration program. FA.

## **HLTH 6004. Marketing and Brand Management. 3 Hours.**

Marketing and Brand Management in Healthcare is an engaging three-credit-hour professional development course to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with comprehensive knowledge and practical skills in healthcare marketing and brand management. Over 14 weeks, students will explore the healthcare industry's diverse aspects of marketing strategies, communication techniques, and brand-building. Through an integrated approach, the course aims to introduce participants to the intricacies of healthcare marketing, enabling them to develop innovative and effective marketing campaigns, enhance brand reputation, and foster patient engagement for improved organizational success and patient outcomes. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Demonstrate an understanding of marketing and brand management concepts and strategies related to health care delivery. 2. Create a comprehensive marketing plan that includes market analysis, competition, marketing mix, and strategic goals that drive the organizational mission. Prerequisites: Admission to the Master's of Healthcare Administration program. SP.

**HLTH 6005. Healthcare Management Strategies. 3 Hours.**

Management Strategies is a comprehensive three-credit-hour course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential healthcare management and supervision skills and knowledge. Over 14 weeks, students will explore various aspects of workforce management, organizational leadership, and effective communication techniques in healthcare settings. This course introduces participants to the intricacies of managing healthcare teams, fostering a positive work environment, and driving operational excellence. Through an integrated approach, students will develop the expertise needed to navigate the challenges and opportunities in healthcare management, positioning them for success as future leaders in the healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Apply the appropriate skills or techniques to participate effectively as a team member or leader. 2. Demonstrate the skills needed to facilitate a group and motivate individuals to work in teams. 3. Devise plans that incorporate practical management strategies, human resources principles, and data management principles. Prerequisites: Admission to the Master's of Healthcare Administration program. SU.

**HLTH 6006. Social Determinants of Health. 3 Hours.**

Social Determinants of Health is an insightful three-credit-hour professional development course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with a comprehensive understanding of the diverse factors influencing health outcomes. Over 14 weeks, students will explore the multifaceted aspects of social determinants of health and their significant impact on patient well-being. The course aims to introduce participants to the complexities of addressing health disparities and promoting health equity in healthcare settings through an integrated approach. By delving into the various facets of healthcare related to health outcomes, students will develop the expertise to advocate for and implement strategies that foster positive health outcomes and improve overall population health. **\*\*\*COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Determine how social and economic factors influence individual and community health and disease. 2. Synthesize cultural competency and diversity to improve health status. 3. Evaluate the health status of a population or individual using appropriate measures of health. 4. Assess the effectiveness of local, national, and global measures to reduce health disparities. Prerequisites: Admission to the Master's in Healthcare Administration program. SP.

**HLTH 6007. Healthcare Operations. 3 Hours.**

Healthcare Operations is a comprehensive three-credit-hour course designed to equip early career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and skills in various aspects of healthcare operations. Over 14 weeks students will delve into the intricacies of healthcare delivery resource management and process optimization. The course aims to introduce participants to the multifaceted facets of healthcare operations enabling them to identify and implement strategies for enhancing efficiency quality and patient outcomes within healthcare organizations. Through an integrated approaching students will gain valuable insights into the dynamic landscape of healthcare operations positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Articulate the relationship between strategy and operations. 2. Demonstrate how various operations management frameworks can influence the relative value of healthcare service. 3. Build an operations framework for managing and improving patient satisfaction. Prerequisites: Admission to the Master's of Healthcare Administration program. SP.

**HLTH 6008. Healthcare Leadership and Ethics. 3 Hours.**

Healthcare Leadership and Ethics is an engaging three-credit-hour course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and skills in healthcare leadership and ethical decision-making. Over 14 weeks, students will explore the multifaceted aspects of leadership in healthcare organizations, fostering effective communication, team collaboration, and organizational culture. The course aims to introduce participants to the complexities of ethical dilemmas in healthcare, guiding them in developing principled leadership practices that prioritize patient well-being and organizational integrity. Through an integrated approach, students will gain valuable insights into the dynamic landscape of healthcare leadership and ethics, preparing them to navigate the challenges and opportunities inherent in leading ethically responsible healthcare teams. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Employ principle-based leadership in decision-making and operations. 2. Engage in crucial conversations while demonstrating emotional intelligence. 3. Demonstrate the ability to be flexible and think creatively in a changing environment. Prerequisites: Admission to the Master's in Healthcare Administration program. SP.

**HLTH 6009. Healthcare Financial Analysis. 3 Hours.**

Healthcare Financial Analysis is an in-depth three-credit-hour course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential healthcare finance and accounting knowledge and skills. Over 14 weeks, students will explore the multifaceted aspects of financial analysis in healthcare organizations, including revenue cycle management and health plans. The course aims to introduce participants to the intricacies of healthcare financial management, enabling them to interpret financial statements, analyze revenue operations, and make informed financial decisions. Through an integrated approach, students will gain valuable insights into the dynamic landscape of healthcare financial analysis, positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Evaluate and critique the roles and responsibilities of finance that healthcare organizations and managers can use for effective decision-making. 2. Construct spreadsheets and financial reports used for monitoring, control, reporting, and oversight in applying basic financial management skills. 3. Demonstrate the concepts of capital budgeting and investment and long-term financing decisions and options. Prerequisites: Admission to the Master's of Healthcare Administration program. FA.

**HLTH 6010. Health Law. 3 Hours.**

Healthcare Law is a comprehensive three-credit-hour course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and skills in healthcare law and contract negotiation. Over 14 weeks, students will explore the multifaceted aspects of legal principles and regulations in healthcare settings. The course aims to introduce participants to the complexities of healthcare law, contract negotiation, and compliance requirements. Through an integrated approach, students will gain valuable insights into the dynamic landscape of healthcare legal and contractual issues, positioning them for success as future leaders in the ever-evolving healthcare industry. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Create critical arguments for contemporary ethical dilemmas within the health industry that utilize ethical frameworks. 2. Describe the historical and philosophical origins of diverse thoughts and actions related to common ethical dilemmas within the health industry. 3. Explain the evolution of health industry laws and legal processes and their implications for current and emerging issues. 4. Evaluate case applications of common laws that impact the health industry. Prerequisites: Admission to the Master's in Healthcare Administration. SP.

**HLTH 6012. Healthcare Strategic Management. 3 Hours.**

Healthcare Strategic Management is an intensive three-credit-hour course designed to equip early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and skills in strategic management for healthcare organizations. Over 14 weeks, students will explore the multifaceted aspects of healthcare strategy, including strategic planning, implementation, and evaluation. The course aims to introduce participants to the complexities of strategic decision-making in healthcare settings, enabling them to analyze the healthcare landscape, develop effective organizational strategies, and navigate the challenges and opportunities inherent in healthcare strategic management. Through an integrated approach, students will gain valuable insights into the dynamic landscape of healthcare strategy, positioning them for success as future leaders in the ever-evolving healthcare industry. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Define and differentiate healthcare managers' roles, responsibilities, and necessary competencies. 2. Compare and contrast management and leadership principles and describe the impact on employee motivation and organizational culture. 3. Create a strategic plan for a healthcare organization, including human resources, marketing quality improvement, IT, finances, and community needs. Prerequisites: Admission to the Masters of Healthcare Administration program. SP.

**HLTH 6013. Healthcare Administrative Internship. 3 Hours.**

The Healthcare Internship is an immersive three-credit-hour course designed to provide early-career healthcare professionals pursuing a Master of Health Administration (MHA) with hands-on experience to practice what they have learned in real-world healthcare settings. Over 14 weeks, students will embark on a practical journey to apply their theoretical knowledge in diverse facets of healthcare, including strategic management, operations, leadership, and more. The course aims to introduce participants to the complexities of healthcare practice, allowing them to engage with healthcare professionals, leaders, and patients while honing their strategic decision-making and problem-solving skills. Through this internship experience, students will gain valuable insights into the dynamic landscape of healthcare, equipping them for success as future leaders in the ever-evolving healthcare industry. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Observe real-life practice and provide an opportunity to demonstrate mastery. 2. Apply knowledge and skills within a health organization. 3. Demonstrate program competencies while completing an agreed-upon project for a health organization. Prerequisites: Admission to the Master of Healthcare Administration. SU.

**HLTH 6014. Research Seminar. 3 Hours.**

The Healthcare Research Seminar is an immersive three-credit-hour course designed to provide early-career healthcare professionals pursuing a Master of Health Administration (MHA) with comprehensive knowledge and practical skills in healthcare research. Over 14 weeks, students will engage in diverse research activities, exploring various facets of healthcare research and its significance in the healthcare industry. The course aims to introduce participants to the complexities of healthcare research, enabling them to develop critical research skills, analyze data, and contribute to evidence-based decision-making in healthcare organizations. Through this seminar, students will gain valuable insights into the dynamic landscape of healthcare research, positioning them for success as future leaders in the ever-evolving healthcare industry. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Understand the significance of research in advancing evidence-based practice. 2. Develop a research proposal for data collection analysis and interpretation for research projects. 3. Understand and implement ethical considerations in healthcare research. Prerequisites: Admission to the Master of Healthcare Administration program. SP.

**HLTH 6015. Biostatistics and Epidemiology. 3 Hours.**

Healthcare Biostatistics and Epidemiology is a comprehensive three-credit-hour course designed to provide early-career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and practical skills in biostatistics and epidemiology. Over 14 weeks, students will engage in diverse activities to understand prevalence, disease, morbidity, and mortality in healthcare settings. The course aims to introduce participants to the fundamental principles and techniques of biostatistics and epidemiology, enabling them to critically analyze healthcare data, interpret epidemiological findings, and apply evidence-based approaches to public health and healthcare decision-making. Through this course, students will gain valuable insights into the dynamic landscape of biostatistics and epidemiology, positioning them for success as future leaders in evidence-based healthcare. **COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course students will: 1. Interpret the significance of biostatistics and epidemiology in healthcare research and decision-making. 2. Analyze central tendency and variability measures, probability distributions, confidence intervals, and hypothesis testing in healthcare datasets and data analysis. 3. Explore the integration of biostatistical and epidemiological findings into healthcare practice. Prerequisites: Admission to the Master of Healthcare Administration program. FA.

**HLTH 6016. Study Abroad. 3 Hours.**

Healthcare Study Abroad is an enriching three-credit-hour course that offers MHA students a unique and immersive learning experience in Uganda. Over 14 weeks, students will embark on a month-long journey to Uganda, where they will actively engage in community-based participant research, focusing on addressing social determinants of health (SDOH) in the context of refugee camps. This transformative course aims to introduce students to the challenges and opportunities in a diverse healthcare setting while fostering cross-cultural understanding and capacity building. Through meaningful activities, participants will conduct research, collaborate with local communities, and contribute to initiatives that empower healthcare outcomes and resilience in Uganda's refugee camps. Upon completion of the in-country experience, students will synthesize their findings into a final project, reflecting on their discoveries and insights gained during this transformative study abroad opportunity. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Consider the significance of participant-based research and SDOH in healthcare. 2. Collaborate with local healthcare professionals and organizations to build capacity. 3. Express personal growth and cultural awareness gained. Prerequisites: Admission to the Masters of Healthcare Administration. SU.

**HLTH 6017. Population and Public Health Informatics. 3 Hours.**

Population and Public Health Informatics is an immersive three-credit-hour course that introduces early-career healthcare professionals pursuing a Master of Health Administration (MHA) to applying informatics in addressing public and population health challenges. Over 14 weeks, students will engage in activities exploring how informatics is utilized in healthcare to collect, manage, and analyze data for finding health solutions for diverse populations. The course will equip participants with essential knowledge and skills to leverage informatics tools and technologies to enhance population health management, disease surveillance, and public health interventions. Through practical applications and data-driven approaches, students will gain valuable insights into the dynamic landscape of population and public health informatics, positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Understand the significance of informatics in addressing public and population health challenges. 2. Understand strategies for data standardization and interoperability. 3. Analyze technological advancements and their impact on public health. Prerequisites: Admission to the Master of Healthcare Administration program. FA.

**HLTH 6018. Data in Healthcare. 3 Hours.**

Data in Health Care is a comprehensive three-credit-hour course designed to provide early career healthcare professionals pursuing a Master of Health Administration (MHA) with essential knowledge and practical skills in utilizing data in healthcare. Over 14 weeks, students will engage in activities that explore how data is collected, stored, searched, shared, and analyzed in healthcare settings. The course aims to equip participants with a deep understanding of the challenges and opportunities in managing big data, including electronic health records, clinical notes, medical imaging data, genetic data, pharmacy data, and administrative data (ICD-10 codes and billing data). Through hands-on activities and practical applications, students will gain valuable insights into the dynamic landscape of healthcare data management, positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. As early-career healthcare professionals understand key data concepts. 2. Analyze data sharing challenges and ethical considerations. 3. Understand data standardization and interoperability. Prerequisites: Admission to the Master of Healthcare Administration program. FA.

**HLTH 6019. Foundations of Health Informatics. 3 Hours.**

Foundations of Healthcare Informatics is an immersive three-credit-hour course designed to introduce early-career healthcare professionals pursuing a Master of Health Administration (MHA) to health informatics fundamental principles and applications in healthcare. Over 14 weeks, students will comprehensively explore how informatics is utilized in healthcare settings. The course will equip participants with essential knowledge and skills to understand and leverage informatics tools and technologies to enhance healthcare delivery, data management, and patient outcomes. Through hands-on activities and practical applications, students will gain valuable insights into the dynamic landscape of health informatics, positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Analyze electronic health records (EHRs) and their impact on patient care. 2. Understand data management and interoperability in EHR systems. 3. Synthesize learnings to apply health informatics concepts in real-world healthcare settings. Prerequisites: Admission to the Master of Healthcare Administration program. FA.

**HLTH 6020. Healthcare Innovation and Entrepreneurship. 3 Hours.**

Healthcare Innovation and Entrepreneurship is an immersive three-credit-hour course designed to provide MHA students with a dynamic exploration of healthcare innovation and entrepreneurship. Over 14 weeks, students will engage in activities focusing on problem identification, innovative solution design, and eventually pitching the business concept to potential investors in the healthcare space. The course aims to equip participants with essential knowledge and practical skills to drive innovation in healthcare, fostering entrepreneurial thinking and transformative problem-solving. Through hands-on activities and real-world projects, students will gain valuable insights into the dynamic landscape of healthcare innovation and entrepreneurship, positioning them for success as future leaders in the ever evolving healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs) \*\*** At the successful conclusion of this course students will: 1. Analyzing the importance of user-centered design and prototyping in innovation. 2. Analyzing intellectual property considerations and protection strategies. 3. Exploring strategies for addressing ethical challenges in healthcare entrepreneurship. Prerequisites: Admission to the Master of Healthcare Administration program. SP.

**HLTH 6021. HIT Integration, Interoperability Standards. 3 Hours.**

HIT Integration, Interoperability Standards is an in-depth three-credit-hour course designed to provide MHA students with a comprehensive understanding of healthcare information technology (HIT) standards and interoperability. Over 14 weeks, students will engage in activities exploring how data is used in healthcare, focusing on key standards such as IHE initiative, HL7, DICOM, CCOW, and others. The course will also cover the role of non-medical standards (HTTP, XML, etc.) in biomedical informatics, policy issues related to data exchange between institutions, use of service-oriented architecture (SOA), enterprise business integration, and HIPAA policies and standards. Through practical applications and hands-on activities, students will gain valuable insights into the dynamic landscape of HIT integration and interoperability, positioning them for success as future leaders in the ever-evolving healthcare industry. **\*\*COURSE LEARNING OUTCOMES (CLOs)\*\*** At the successful conclusion of this course students will: 1. Analyze the importance of HL7 (Health Level Seven) standards in healthcare data exchange. 2. Understand the integration of IHE and HL7 in healthcare IT systems. 3. Analyze the role of DICOM in imaging data exchange and interoperability. Prerequisites: Admission to the Master of Healthcare Administration program. SP.