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New Research Examines HIM as a STEM Discipline
*Online journal explores data breaches, reducing hospital readmission rates and
the growing demand for data scientists*

CHICAGO – July 31, 2019 - The Summer 2019 issue of *Perspectives in Health Information Management*, the online research journal of the American Health Information Management Association (AHIMA) highlights key innovations in healthcare including: health information management (HIM) as a STEM discipline, strategies to lower hospital readmission rates, and exploring the unknown behind data breaches.

In **"An Exploratory Study Demonstrating the Health Information Management Profession as a STEM Discipline"** the authors compare AHIMA-approved HIM competencies to STEM education with an examination of HIM careers in informatics, data analytics, and data use. The dual-methodology study includes: 1) a review and mapping of STEM disciplines and 2) an assessement of AHIMA membership profile data. Researchers concluded that the HIM profession is an alignment with core compentencies of the STEM discipline.

"Recognizing the alignment between STEM education and AHIMA-approved HIM compentencies demonstrates the value of HIM professionals in advancing global healthcare," said AHIMA CEO Wylecia Wiggs Harris, PhD, CAE. "Careers in HIM and STEM disciplines are key to delivering information and operations that impact health and health systems."

Read the full issue.

The summer issue also includes the following articles:

Strategies to Reduce Hospital Readmission Rates in a Non-Medicaid-Expansion State
By George Gellert, MD, MPH, MPA; John F. Crouch; Lynn A. Gibson; and George S. Conklin

The Hospital Readmissions Reduction Program (HRRP), a Medicare value-based purchasing program, reduces payments to hospitals with excessive readmissions. Using 15 interviews with executives and manager-level employees in five hospitals in Missouri, the study examines the strategies that hospital leaders use to decrease readmissions. Researchers found that lowering

rehospitalization requires leaders to recognize the transition of healthcare into a value-based system in order to reduce financial penalties and improve patient outcomes.

Read more here.

Cyber-Analytics: Identifying Discriminants of Data Breaches
By Diane Dolezel, EdD, RHIA, CHDA, and Alexander McLeod, PhD

Healthcare data breaches in the U.S. result in heavy fines and litigation. Using data from the Department of Health and Human Services (DHHS) data breach reporting system, the study examines breaches affecting more than 500 individuals between 2009 and 2018. Researchers evaluated the relationship between the characteristics of the entities who reported healthcare breaches and the number of individuals affected by those data breaches. The study found that data breaches continue to increase depite the awareness of the risk factors associated with breaches.

Read more here.

An Evaluation of the Clinical and Financial Value of Work Station Single Sign-on in 19 Hospitals
By George Gellert, MD, MPH, MPA; John F. Crouch; Lynn A. Gibson; and George S. Conklin

Managing physician dissatisfaction with electronic health records (EHRs) is a national concern in the healthcare industry. A large health system, comprised of 19 community hospitals, evaluated time away from the keyboard after implementation of the single sign-on (SSO). The study converted time saved into a total dollar value based on estimates of hourly wages. Researchers found that the introduction of the SSO eliminated repitition and time-consuming logins to the EHR and other frequently used software applications.

Read more here.

Developing and Evaluating Parents' Satisfaction with a Website to Manage Pediatric Asthma
By Rezvan Ansari, MSc; Leila Ahmadian, PhD; and Nasrin Bazargan Harandi, MD

Providing necessary and accessible medical information is integral to managing chronic diseases and delivering optimal patient care. At the end of a three-month usage period, researchers evaluated parents' satisfaction with an interactive website regarding pediatric asthma. Researchers used a digital questionnaire to assess satisfcation levels. The study found that an interactive website was effective in helping parents to learn about asthma treatment and prevention of disease progression.

Read more here.

Big Data Analytics in Healthcare: Investigating the Diffusion of Innovation
By Diane Dolezel, EdD, RHIA, CHDA, and Alexander McLeod, PhD

Because of a shortage of data scientists, and the depth of data to be analyzed, implementing big data tools to improve healthcare decision making is limited. Using a descriptive study, researchers examined the gap between the supply and demand for data scientists. The high

demand for data scientists along with the need for constant improvement drives the diffusion of big data science skills to the healthcare market. Researchers propose engaging with universities to redesign curriculum offerings to provide more data science education and better responses to workplace needs in healthcare.

Read more [here](#).

About Perspectives in Health Information Management

Perspectives in Health Information Management is a scholarly, peer-reviewed journal, referred to by professors, professionals, public officials, industry leaders, and policy-makers. Since 2004, it has been one of the most credible and respected journals of the HIM industry and is referenced in notable indices such as PubMed Central (PMC), the Cumulative Index to Nursing and Allied Health (CINAHL), and Google Scholar. Learn more about the submission guidelines and the manuscript review process. www.perspectives.ahima.org

About AHIMA

The American Health Information Management Association (AHIMA) represents more than 103,000 health information professionals in the United States and around the world. AHIMA is committed to promoting and advocating for best practices in health information and to actively contributing to the development and advancement of health information professionals worldwide. AHIMA's mission is to empower people to impact health. www.ahima.org