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Curso impartido íntegramente en inglés

Con la colaboración de la Universidad de Alcalá de Henares

Informatics in Population Health Surveillance

Escuela Nacional de Sanidad
Madrid, 8 a 10 de junio de 2016
COURSE DESCRIPTION:

Increasingly, the field of public health is turning to informatics-informed solutions to monitor and address the health of communities. Rapid technological advancements, large volumes of health data from disparate sources, increased use of technologies in healthcare, and the growing use of mobile /internet applications have all contributed to the need for a public health workforce that is trained in the systematic application of information technology and computer science to public health practice, research and learning. Specifically, since 2010, the fields of clinical medicine and public health have benefited from a rapid surge of research on the burden and management of chronic diseases using electronic health records (EHRs). EHRs are appealing because they can offer large sample sizes, timely information and clinical data beyond that obtained from health surveys or administrative data. This course will systematically explore the emerging role of informatics in population health surveillance, including new data sources (electronic health records, electronic laboratory data, insurance information, and social media), triangulation of data sources, and the convergence of population health and primary care objectives in preventing and managing chronic diseases. Validity, reliability, strengths and weaknesses of new systems will be examined using applications from Europe, North America and Australia. In this course, there will be a mix of lectures, student-led discussions, and hands-on activities with specific tools.