Smartphone-based telemedicine for primary care of asthma: Development of a Technology Enabled Asthma Management System (TEAMS)

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Asthma is one of the most common chronic health conditions in the U.S. Currently half of adults with asthma are not well controlled due to multiple personal and interpersonal factors. **TEAMS (Technology Enabled Asthma Management System)** is a novel program being piloted in the URMC Medicine Clinic that uses smartphones, nursing telemedicine, and Epic-based technology to address many common asthma management problems. In this HIPPA compliant program, patients record symptoms on their smartphone via MyChart, and data imports directly to the EMR. Nurses conduct smartphone telemedicine follow up (Zoom) to monitor asthma symptoms and offer evidence based-self-management training. Symptom data are analyzed via algorithms in the EMR, which provides instant clinical decision-making support and can identify when patients are not well controlled or in need of medication adjustments. This presentation addresses the process of developing the TEAMS program, current technological capabilities, and early results of beta-testing.

Recipient of the American Thoracic Society Assembly on Nursing Marilyn Hansen Award for outstanding achievement and highest rated abstract (May 2018)

Friday, May 4, 2018
NOTE NEW LOCATION: Ryan Case Method Room, URMC, 1-9576
12:00 pm – 1:00 pm

Assorted wraps will be available while supplies last. Bring your own beverage.

ASL interpreters or other accommodations are available upon request. Contact Jennifer VanRy @ Jennifer_vanry@urmc.rochester.edu or 224-2061 with requests and/or questions

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