Faculty of Pharmacy
Guest Speaker Seminar

Technology-Based Interventions to Improve Pediatric Asthma Outcomes

When
Friday 24th Mar. 2017
12 – 1pm

Where
Pharmacy Lecture Theatre
Camperdown Campus
The University of Sydney

Chair
Dr. Stephen Carter

More information
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For a complete list of this semester’s seminars, visit sydney.edu.au/pharmacy

Dr. Delesha Carpenter
Assistant Professor, Eshelman School of Pharmacy, The University of North Carolina at Chapel Hill, USA

Young people increasingly use technology to monitor their health. As such, eHealth and mHealth interventions may help young people better self-manage their chronic conditions. Although the number of technology-based asthma interventions has increased substantially over the past few years, many have not been developed specifically for youth or have been based on health behavior theories. Dr. Carpenter will describe two theory-based eHealth interventions she developed specifically for young people living with asthma. The first is a tailored inhaler technique software program that can tailor brief educational videos to the child’s age, gender, race, language, and specific steps the child preformed incorrectly during an inhaler technique assessment. The second is an adolescent asthma self-management app.

About the speaker

Dr. Delesha Carpenter is an Assistant Professor in the Division of Pharmaceutical Outcomes and Policy at the Eshelman School of Pharmacy at the University of North Carolina at Chapel Hill. Her educational background includes clinical training in respiratory therapy and public health. She has over ten years of experience working with adolescents and children with asthma and has developed several technology-based interventions to improve clinical outcomes for youth. Her primary research interests are mHealth interventions, chronic disease self-management, medication adherence, and rural health. She has authored more than 65 peer-reviewed publications and has led several research studies as a principal investigator.