Simulation Modeling Techniques for Complex Human Disease

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Learning Objectives:
• Describe the limitations of traditional modeling techniques in representing clinically detailed disease states
• Discuss the motivation for utilizing modeling techniques that represent individuals (microsimulation, discrete event simulations, agent-based models) and types of problems that can be addressed by this approach
• Describe the general structure and complexity of Archimedes-type models, which are hybrid methodologies and their applications in medical research
• Discuss the pros and cons of making models more complex

Tuesday April 2, 2013
4pm – 6:00pm
Irving Institute Educational Center Classroom (PH10-405B)
622 West 168th Street, Floor 10, Room 405B, NYC 10032

RSVP required: Jorge Luna (jl2708@mail.cumc.columbia.edu)

Recommended readings for attendees:

Accelerating Discoveries Toward Better Health
irvinginstitute.columbia.edu