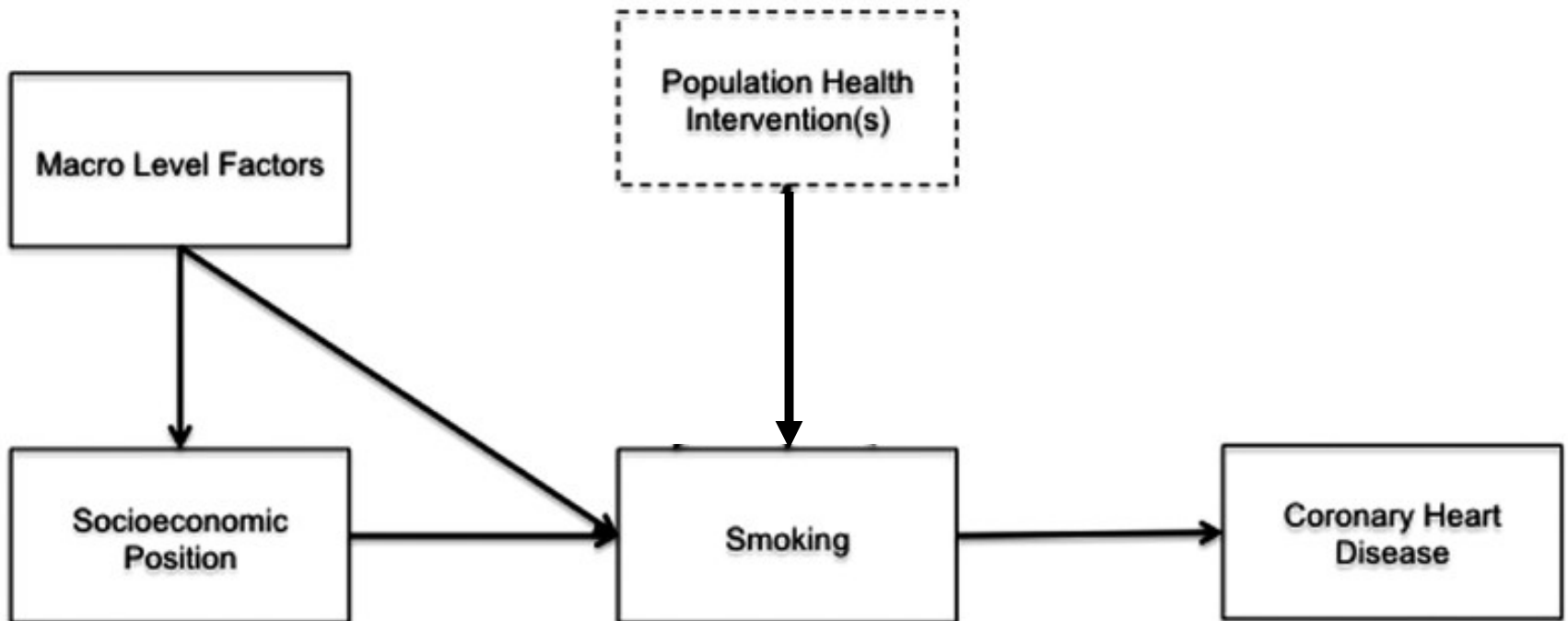
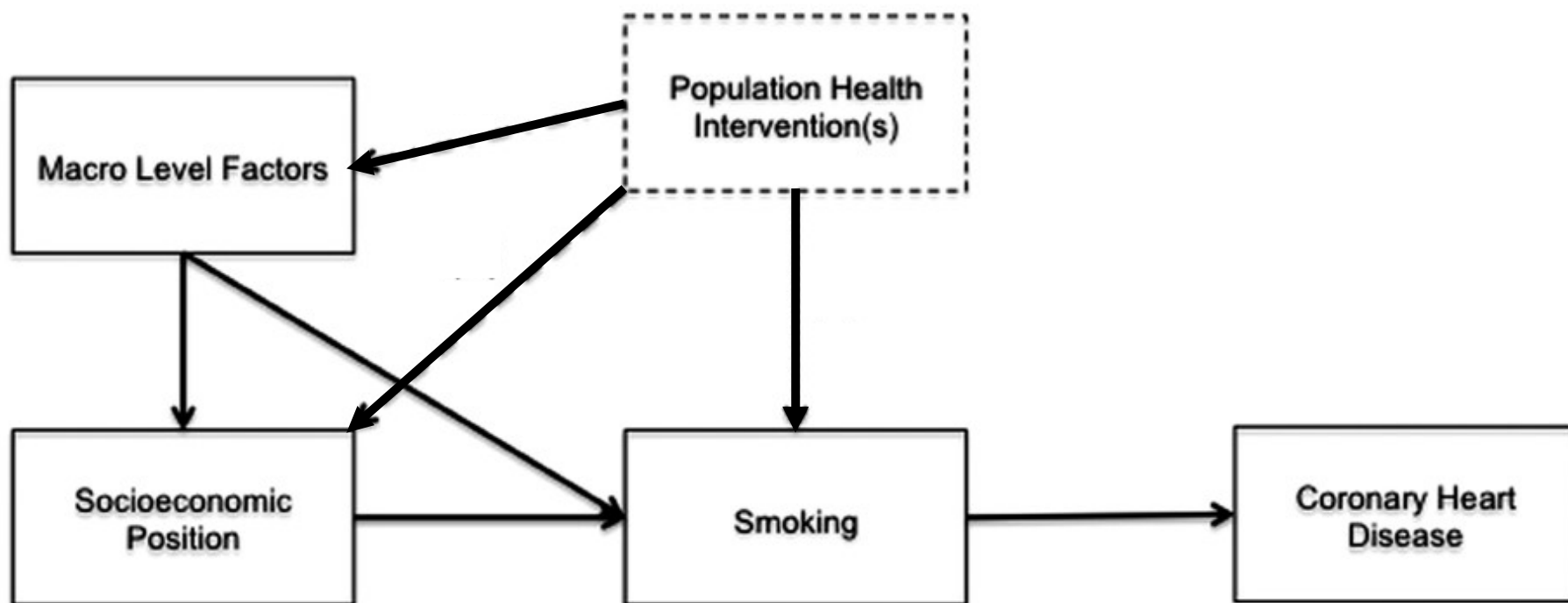


Conceptual Model: Population Health Interventions on Socioeconomic Disparities in Coronary Heart Disease



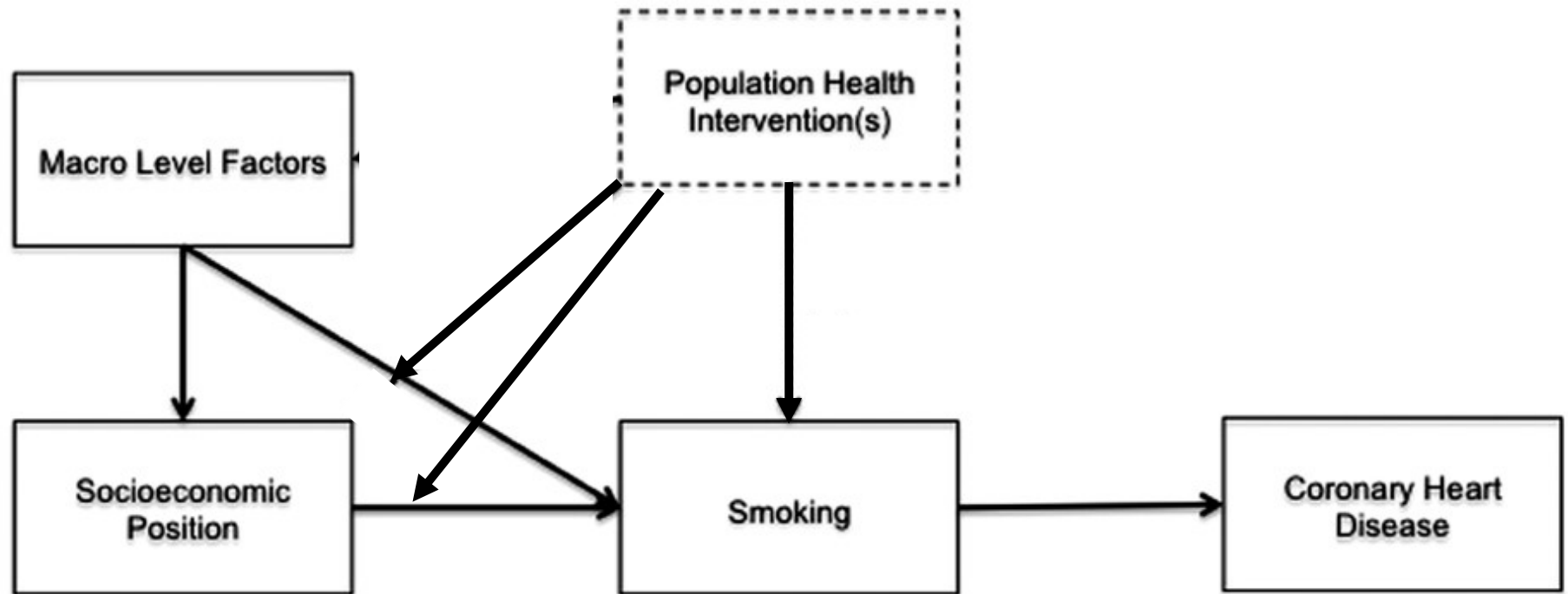
Smith BT, Smith PM, Harper S, Manuel DG, Mustard CA. Reducing social inequalities in health: the role of simulation modelling in chronic disease epidemiology to evaluate the impact of population health interventions. *J Epidemiol Community Health*. 2014 Apr 1;68(4):384-9.

Conceptual Model: Population Health Interventions on Socioeconomic Disparities in Coronary Heart Disease



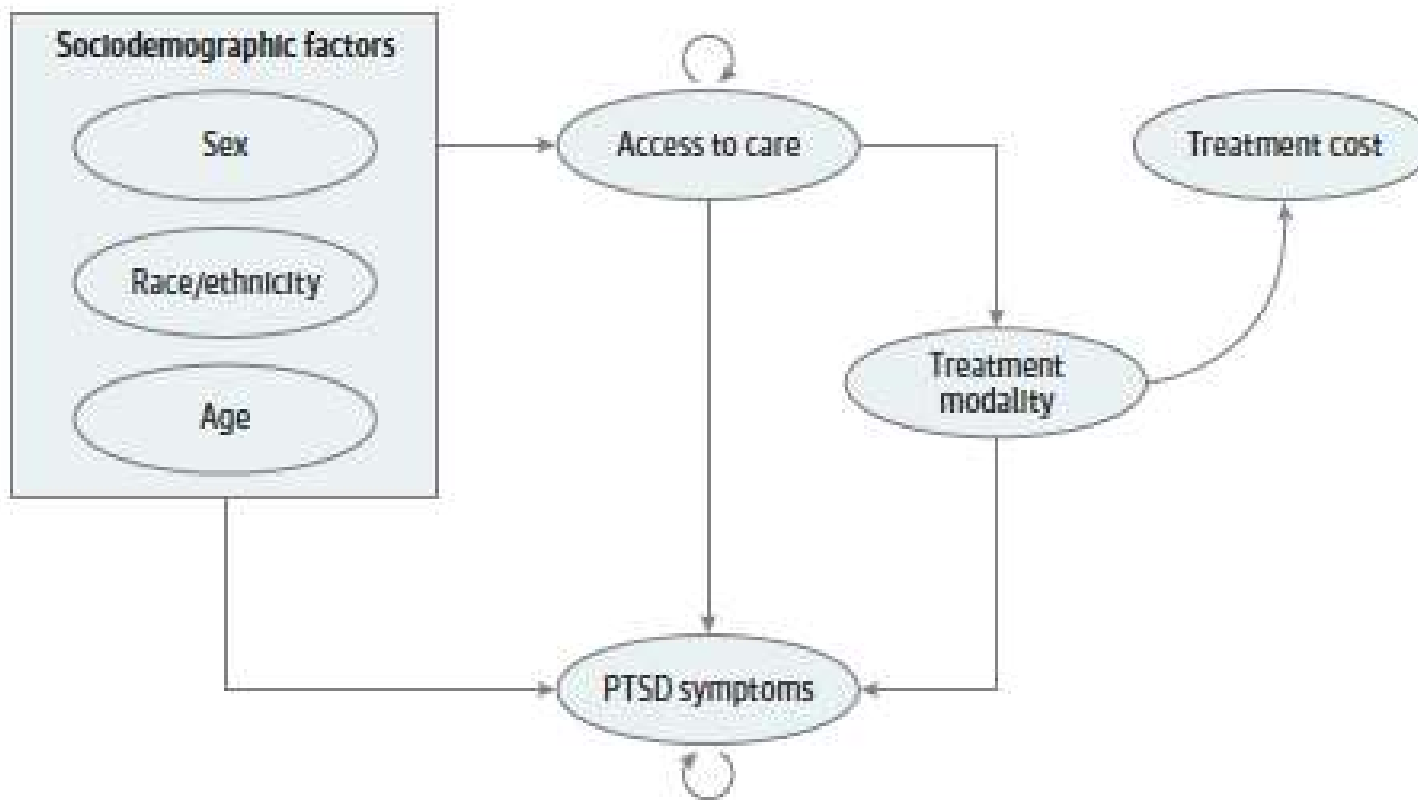
Smith BT, Smith PM, Harper S, Manuel DG, Mustard CA. Reducing social inequalities in health: the role of simulation modelling in chronic disease epidemiology to evaluate the impact of population health interventions. *J Epidemiol Community Health*. 2014 Apr 1;68(4):384-9.

Conceptual Model: Population Health Interventions on Socioeconomic Disparities in Coronary Heart Disease



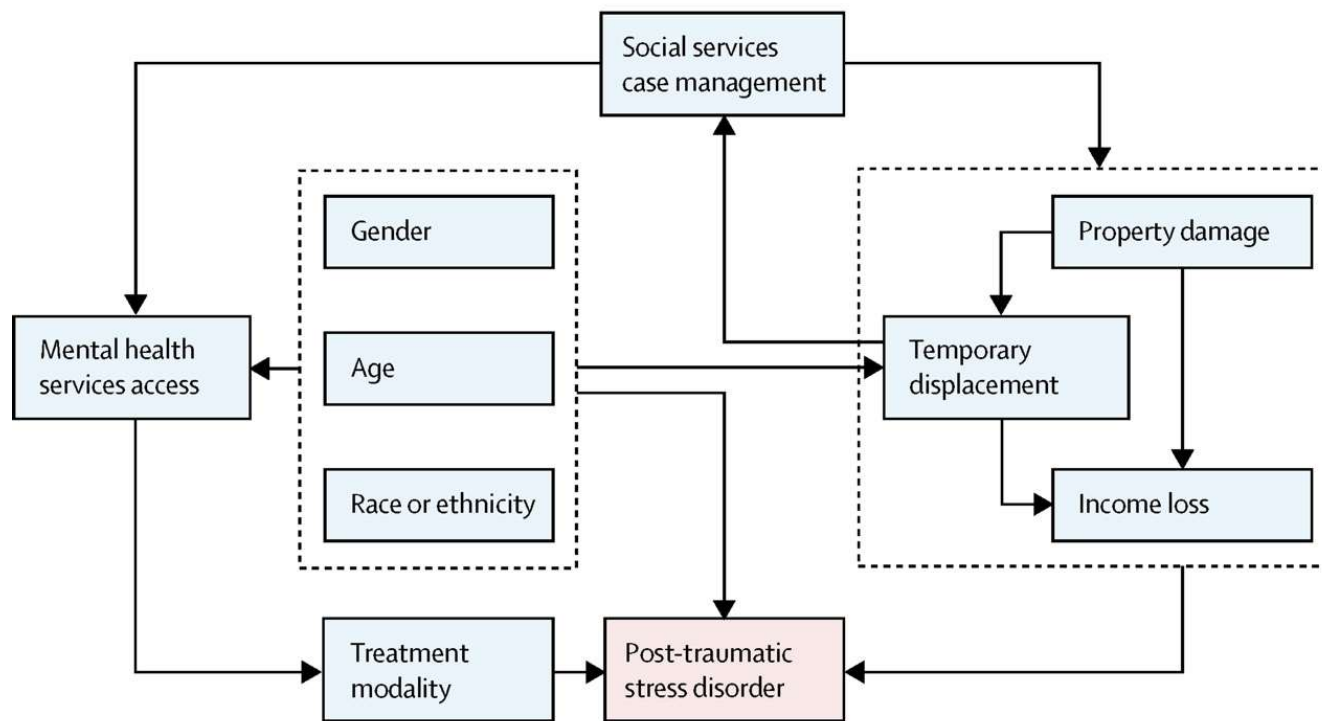
Smith BT, Smith PM, Harper S, Manuel DG, Mustard CA. Reducing social inequalities in health: the role of simulation modelling in chronic disease epidemiology to evaluate the impact of population health interventions. *J Epidemiol Community Health*. 2014 Apr 1;68(4):384-9.

Conceptual Model: Comparison of treatment and cost-effectiveness of candidate treatments for PTSD



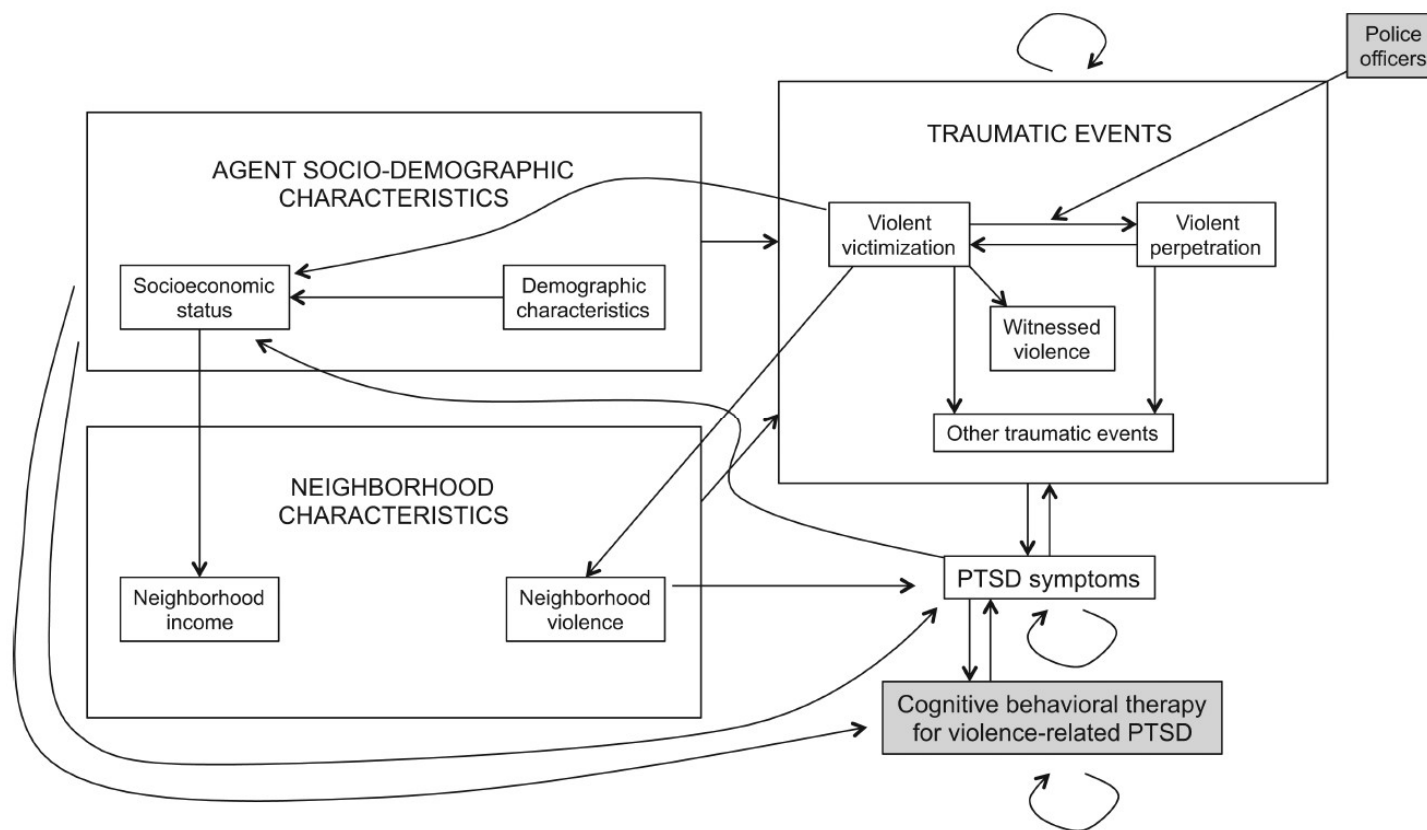
Cohen GH, Tamrakar S, Lowe S, Sampson L, Ettman C, Linas B, Ruggiero K, Galea S. Comparison of simulated treatment and cost-effectiveness of a stepped care case-finding intervention vs usual care for posttraumatic stress disorder after a natural disaster. *JAMA psychiatry*. 2017

Conceptual Model: Comparison of treatment and cost-effectiveness of candidate treatments for PTSD among economically vulnerable populations



Cohen GH, Tamrakar S, Lowe S, Sampson L, Ettman C, Kilpatrick D, Linas BP, Ruggiero K, Galea S. Improved social services and the burden of post-traumatic stress disorder among economically vulnerable people after a natural disaster: a modelling study. *The Lancet Planetary Health*. 2019 Feb 1;3(2):e93-101.

Conceptual Model: Prevention vs. Treatment of PTSD in an Urban Context



Cerdá M, Tracy M, Keyes KM, Galea S. To treat or to prevent?: Reducing the population burden of violence-related post-traumatic stress disorder. *Epidemiology* (Cambridge, Mass.). 2015 Sep;26(5):681.

Relationship Between Model Complexity and Model Accuracy

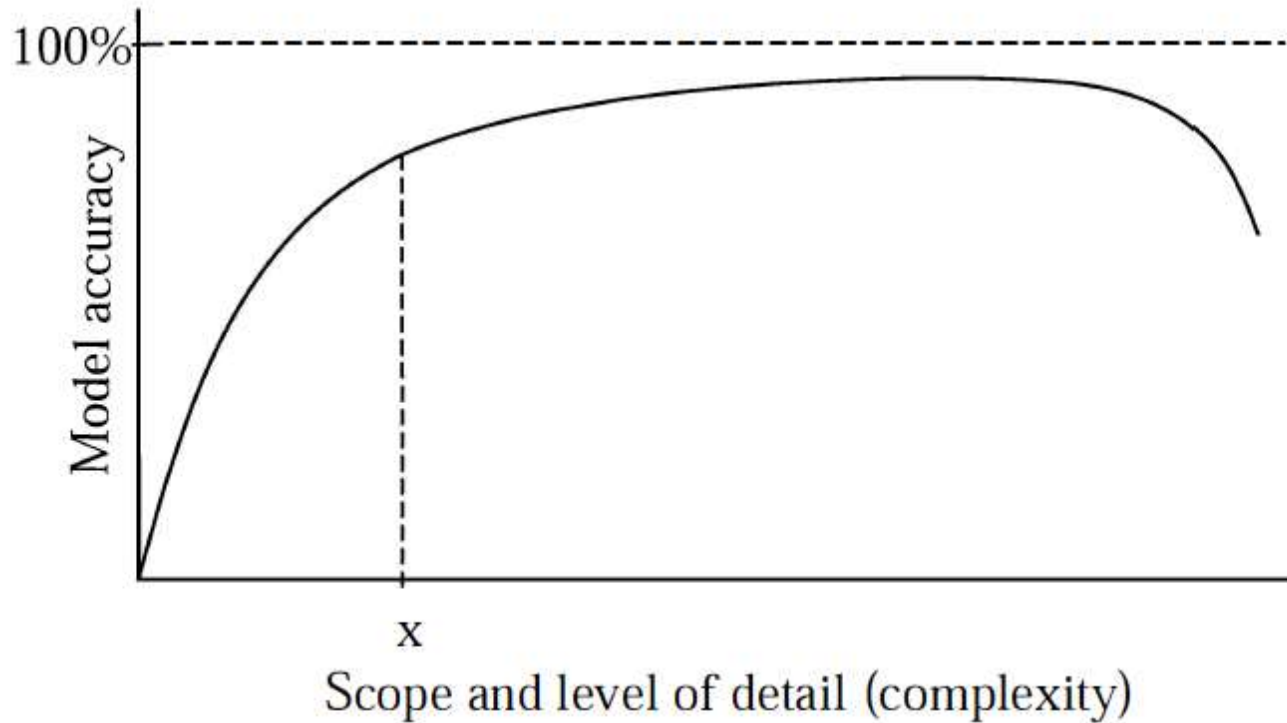


Figure 4: How simulation model accuracy changes with the complexity of the model (Robinson 2008a).