

Dynamic Population Health Modeling for Quantitative Health Impact Assessment  
Methodological Foundation and Selected Applications

By

Stefan K. Lhachimi

1. A potential standard tool for health impact assessment should at least satisfy three technical (real-life population, dynamic projection, explicit risk factor states) and three usability (modest data requirements, rich model output, generally accessible) criteria. (*This thesis*)
2. As of 2008, the field of health impact assessment lacked a standard tool for quantification. (*This thesis*)
3. Even modest increases in alcohol prices, mediated through taxation across Europe, offer the scope to prevent many premature deaths and much morbidity from a range of chronic conditions. (*This thesis*)
4. A small but constant risk of becoming overweight/obese throughout the adult life of a cohort offset the health gains of a prior, i.e. when entering adulthood, eradication of overweight/obesity in this cohort. (*This thesis*)
5. Employing feasible counterfactuals as benchmarks in eleven EU countries demonstrate that smoking is still the most salient life-style related risk factor in both men and women, with a notable exception: female morbidity could be reduced most when improving the BMI prevalence. (*This thesis*)
6. A selective strengthening of alcohol control, guided by the evidence and common sense, would ease the struggle to limit abuse, enhance the public health and safety, and ultimately increase our collective standard of living as we all pay the tab.  
*Phil J. Cook, Paying the Tab: The Costs and Benefits of Alcohol Control, Princeton:2007*
7. Duverger's law holds at the district level.  
*Gary W. Cox, Making Votes Count: Strategic Coordination in the World's Electoral Systems, Cambridge: 1997*
8. Supply creates its own demand.  
*Jean-Baptiste Say, A Treatise on Political Economy, London: 1803*
9. Lokale Umweltfaktoren sind entscheidender für die Ausbildung von staatlichen Institutionen als metropolitane Vorgaben.  
*Dominik Nagel, "No part of the mother country, but distinct (...) dominions" -Rechtstransfer, Staatsbildung und Governance in England, Massachusetts und South Carolina, 1630 – 1769, Berlin: 2011*
10. A well-established fact loses its meaning when divorced from its context.  
*Bruno Latour, Laboratory Life: the Social Construction of Scientific Facts, Princeton: 1976*
11. The Netherlands are not Germany's Canada.