A system dynamics model of South Africa’s commercial broiler system; linking human health, nutrition, and environmental sustainability

Providing policymakers with novel, interdisciplinary evidence to define future food system policies, that deliver nutritious and healthy foods, in an environmentally sustainable and socially equitable manner.

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South Africa (2018)
7.7m people living with HIV
20.4% adult HIV prevalence (ages 15-49)
240,000 new HIV infections
71,000 AIDS-related deaths
62% adults on antiretroviral treatment*
63% children on antiretroviral treatment*
*All adults/children living with HIV
Source: UNAIDS Data 2019
Systems thinking and system dynamics modelling: a tool for policy change