Article title: Using System Dynamics to Understand Transnational Corporate Power in Diet-Related Non-communicable Disease Prevention Policy-Making: A Case Study of South Africa Journal name: International Journal of Health Policy and Management (IJHPM)

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Supplementary file 2. Example of Purposive Text Analysis Coding Chart

Below is an exert of purposive text analysis of one of the stakeholder interviews using the coding chart(1). This figure illustrates how causal phrases are identified within stakeholder statements and translated into a causal or effect model variable. A corresponding words and arrow diagram is then developed illustrating the causal structure and the relationship type between each variable (positive or negative).

Participant quotation:	Causal phrases requiring interpretation:	Model variable:
So the minute we start specifying certain things in a regulation [1], the next product	So the minute we start specifying certain things in a regulation	Public health regulation (causal)
that come out, will be able to go through that. So that's what we constantly also have to formulate in the legislation, is	the next product that come out, will be able to go through that.	Product innovation (effect)
to say, we can't really list everything because they'll find something else that, like you'll call something a yoghurt. You	So that's what we constantly also have to formulate in the legislation	Public health regulation (effect)
can only use a yoghurt as in this, this, this. Now lots of people eat yoghurt, but now	Lots of people eat yoghurt	Consumption of unhealthy product (causal)

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you regulate it: what the composition must be, or whatever the scenario must be. Then they'll come along with something called Yogetta or	but now you regulate it: what the composition must be, or whatever the scenario must be	Public health regulation (effect)	
something, it's for the consumer to know what it is, but it's not actually yoghurt because they're trying to get around legislation and the content	they'll come along with something called Yogetta or something, it's for the consumer to know what it is, but it's not actually yoghurt because they're trying to get around legislation	Industry product innovation (effect)	
	Main argument:		
	When public health regulation is introduced in response to high consumption of an unhealthy product, the food industry is able to adapt their products in response, requiring further amendments to the regulation.		
Drawing of causal structure:			
Consumption of Public health unhealthy product regulation Industry product Innovation			

References

1. Tomoaia-Cotisel A. The Journey toward the Patient-Centered Medical Home: A Grounded, Dynamic Theory of Primary Care Trans-formation. London: London School of Hygiene and Tropical Medicine; 2018.