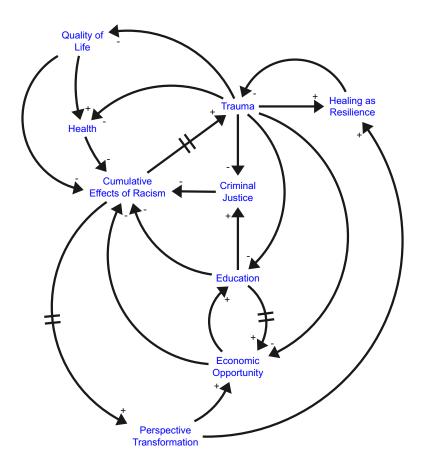


## Systems Change for Racial Equity (SCORE) Model Update

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The Health Improvement Partnership for Cuyahoga County (HIP-Cuyahoga) Cross-Sector Innovations Initiative (Heidi Gullett, PI) has been applying Community Based System Dynamics to understanding structural racism as a public health crisis. The work has drawn on members of the Core Modeling Team along with reports, public meetings, and interviews conducted by the Cuyahoga Citizens' Advisory Council on Equity to develop a map the systems underlying structural racism.

**Figure 1.** Strategic overview of SCORE system dynamics simulation model of structural racism



While this remains a work-in-progress, the current model shown in Figure 1 illustrates some of the main causal connections between different parts of the system and how they interact through a set of feedback mechanisms producing racialized outcomes.

Each line with an arrow indicates a causal connection. Positive signs (+) represent a causal relationship where an increase in the cause variable leads to an increase in the effective variable. For example, increasing economic opportunity leads to an increase in education outcomes. Negative signs (-) indicate a causal relationship where an increase in the cause variable *decreases* the effect variable. For example, an increase in healing as resilience *decreases* trauma. Double lines crossing a causal connection represent delays between the causes and effects.

The SCORE model shown in Figure 1 is available as a preliminary system dynamics computer simulation model. The model was

developed using principles of system dynamics. While this remains a workin-progress, the

model can eventually be used to support the development of strategy and implementation roadmaps for system transformation. To experiment with the model, go to <a href="https://exchange.iseesystems.com/public/psh/score">https://exchange.iseesystems.com/public/psh/score</a> or use the QR code on the right with the camera on a smartphone or tablet.







