

# American Society and Obesity System

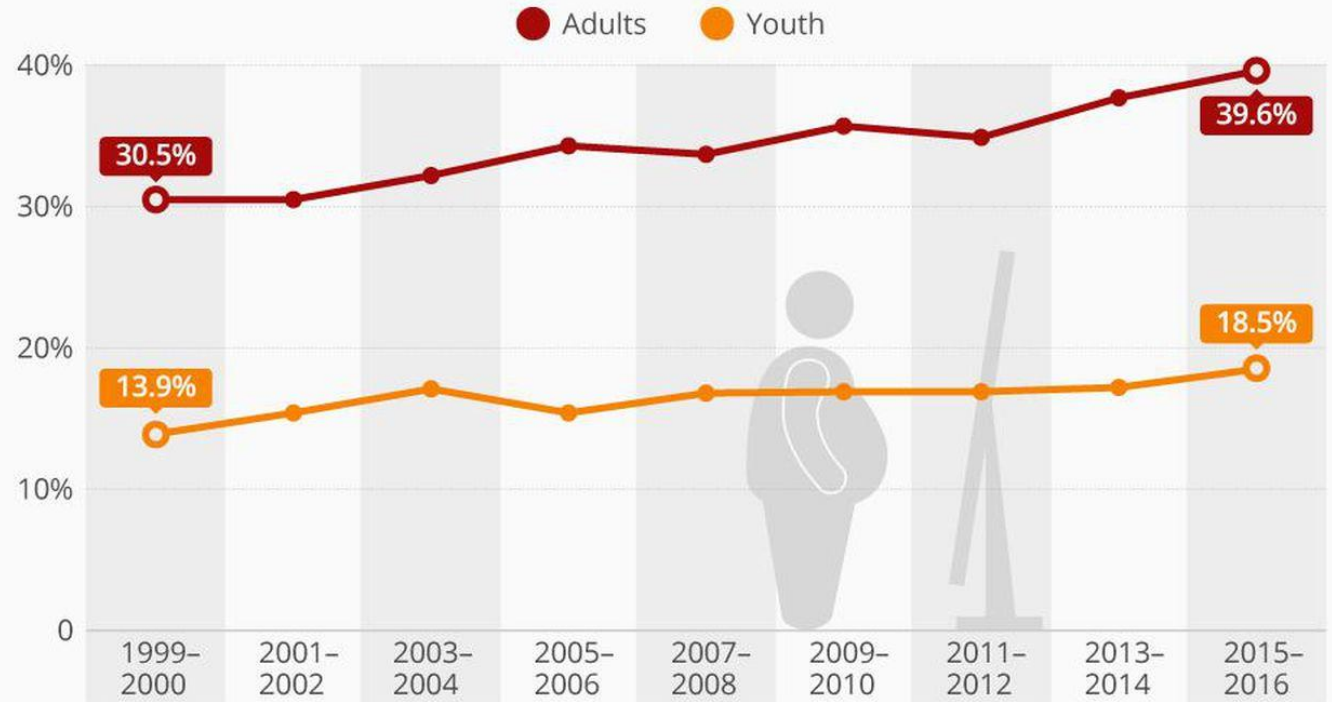


# System Description

- How I Chose the System
- My Boundary
- Alternative Boundaries

## America Is Fatter Than Ever

Obesity prevalence among adults and youths in the U.S.\*



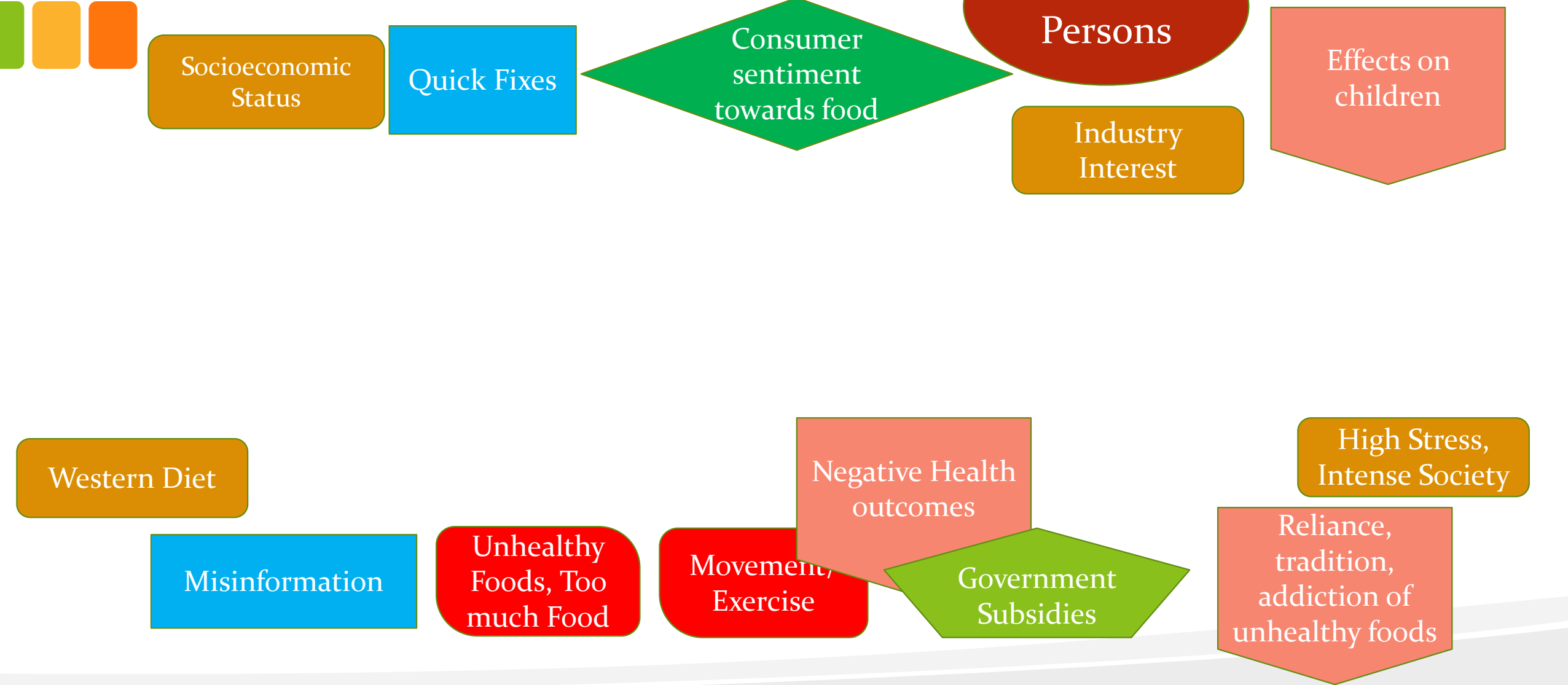
\* Adults aged 20 and over and youth aged 2-19 years.

@StatistaCharts

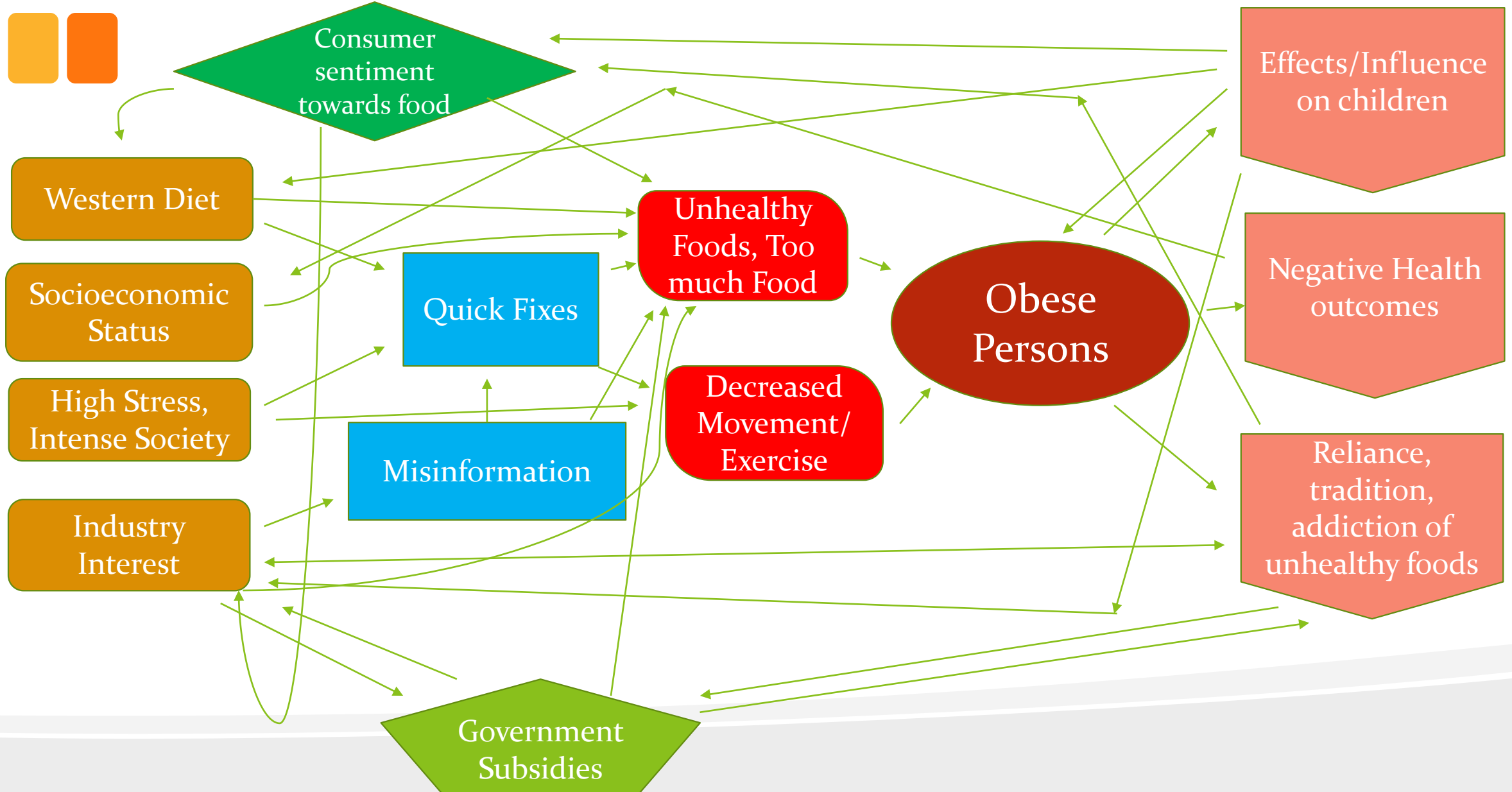
Source: Centers For Disease Control And Prevention

Forbes statista

# Parts of the System



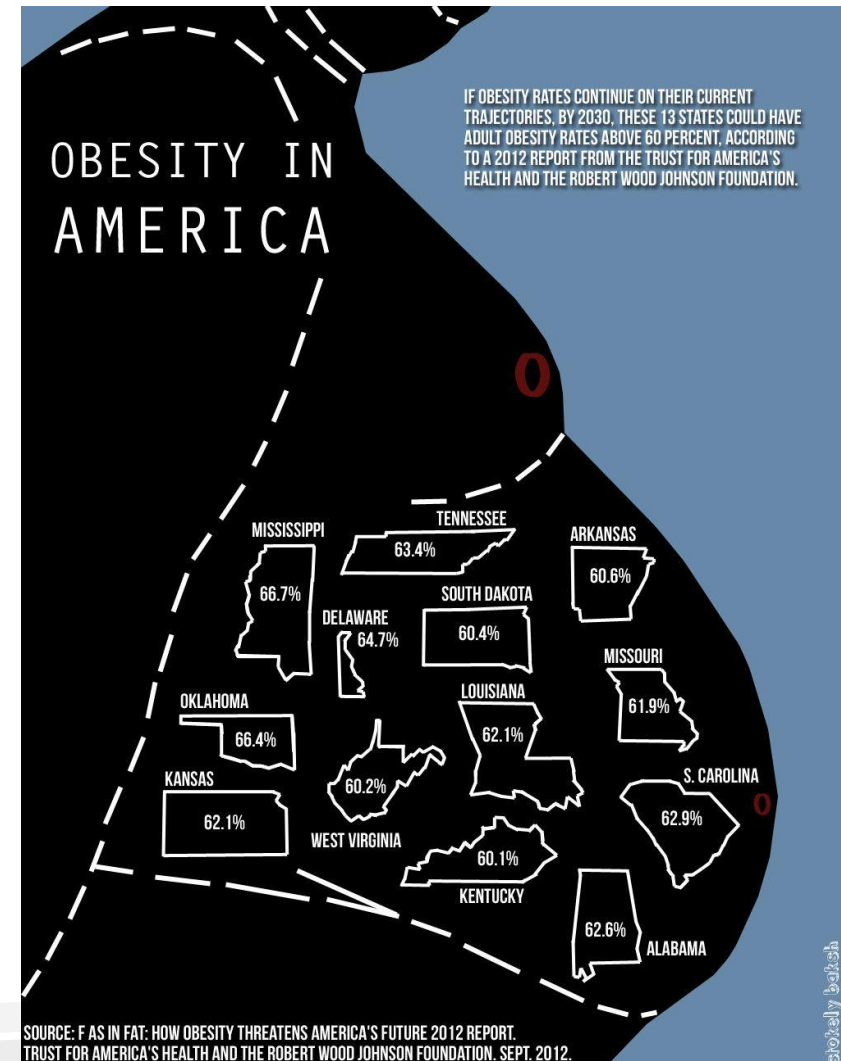
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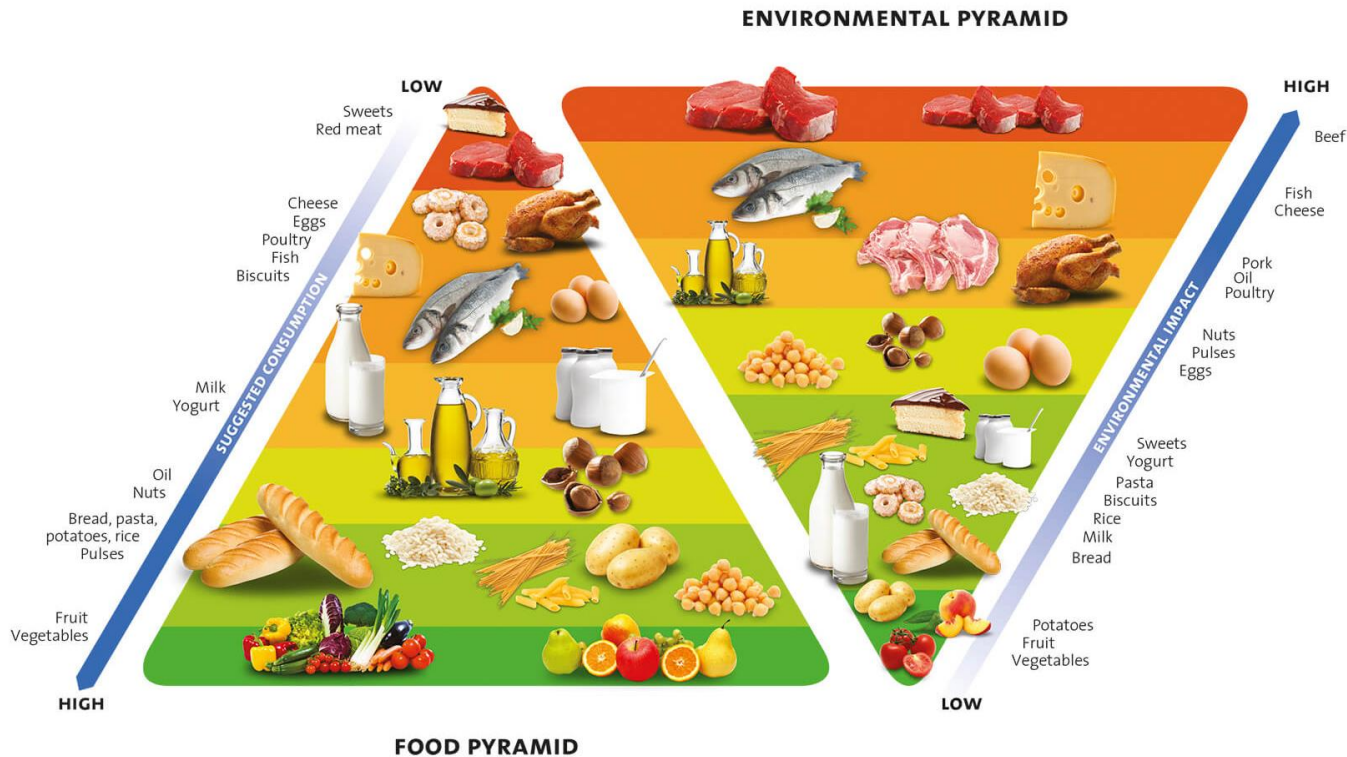
# Problems with the System

- Problems with my view of the system
- Benefits of this system view
- Relations to other systems
- Problems with the system
- “Another study, published this week as a working paper by the National Bureau of Economic Research, looked across the country and found that no more than a tenth of the variation in the food people bought could be explained by the availability of a nearby grocery store. The education level of the shoppers, for example, was far more predictive.” -NY Times



# Intervention?

- Paradigm Shift
- Rules behind system
- Drive positive feedback loops
- Restructuring info flows
- Constants and parameters





# References

- Allen, Nick. "McFarthest Point in the US from a McDonald's." *The Telegraph*, 19 Oct. 2009, [www.telegraph.co.uk/news/newstopics/howaboutthat/6380193/McFarthest-point-in-the-US-from-a-McDonalds.html](http://www.telegraph.co.uk/news/newstopics/howaboutthat/6380193/McFarthest-point-in-the-US-from-a-McDonalds.html). Accessed 15 Mar. 2017.
- Campbell, Robert. "The Nutrition of Obesity." University of South Florida, Department of Family Medicine. Lecture.
- Drewnowski, Adam, and Petra Eichelsdoerfer. "Can Low-Income Americans Afford a Healthy Diet?" *Nutrition Today*, vol. 46, no. 6, Nov. 2010, pp. 246-49, doi:10.1097/NT.0b013e3181c29f79. Accessed 15 Mar. 2017.
- Fildes, Alison, et al. "Probability of an Obese Person Attaining Normal Body Weight." *American Journal of Public Health*, vol. 105, no. 9, Sept. 2015, pp. e54-e59, [ajph.aphapublications.org/doi/pdf/10.2105/AJPH.2015.302773](http://ajph.aphapublications.org/doi/pdf/10.2105/AJPH.2015.302773).
- "Food and Diet." *Harvard School of Public Health*, Harvard University, [www.hsph.harvard.edu/obesity-prevention-source/obesity-causes/diet-and-weight/](http://www.hsph.harvard.edu/obesity-prevention-source/obesity-causes/diet-and-weight/). Accessed 15 Mar. 2017.
- Freind, Christopher. "Solve America's Obesity Problem with Shame." *Philadelphia Magazine*, Metro, 12 Oct. 2012, [www.phillymag.com/news/2012/10/12/solve-americas-obesity-problem-shame/](http://www.phillymag.com/news/2012/10/12/solve-americas-obesity-problem-shame/). Accessed 15 Mar. 2017.
- Haspel, Tamar. "Is nutritious food really pricier, and, if so, is that really the problem?" *Washingtonpost.com*, 25 Nov. 2016, [www.washingtonpost.com/lifestyle/food/is-nutritious-food-really-more-pricey-and-if-so-is-that-really-the-problem/2016/11/23/91ed1026-adeb-11e6-977a-1030f822fc35\\_story.html?utm\\_term=.955915042018](http://www.washingtonpost.com/lifestyle/food/is-nutritious-food-really-more-pricey-and-if-so-is-that-really-the-problem/2016/11/23/91ed1026-adeb-11e6-977a-1030f822fc35_story.html?utm_term=.955915042018). Accessed 4 Dec. 2018.
- Kelly, Jack. "Inactive Lifestyle Sits as Factor in Obesity's Health Risk." *Post-Gazette.com*, Block Communications, 2 Jan. 2008, [www.post-gazette.com/news/health/2008/01/02/Inactive-lifestyle-sits-as-factor-in-obesity-s-health-risk/stories/200801020124](http://www.post-gazette.com/news/health/2008/01/02/Inactive-lifestyle-sits-as-factor-in-obesity-s-health-risk/stories/200801020124). Accessed 15 Mar. 2017.
- Meadows, Donella. "Leverage Points: Places to Intervene in a System." *Donellameadows.org*, [donellameadows.org/archives/leverage-points-places-to-intervene-in-a-system/](http://donellameadows.org/archives/leverage-points-places-to-intervene-in-a-system/). Accessed 4 Dec. 2018.
- "Obesity Consequences." *Harvard School of Public Health*, Harvard University, [www.hsph.harvard.edu/obesity-prevention-source/obesity-consequences/](http://www.hsph.harvard.edu/obesity-prevention-source/obesity-consequences/). Accessed 15 Mar. 2017.
- "Obesity Facts and Resources." *Obesitycampaign.org*, Campaign to End Obesity, [www.obesitycampaign.org/obesity\\_facts.asp](http://www.obesitycampaign.org/obesity_facts.asp). Accessed 2 Apr. 2017.
- O'Connor, Anahad. "How the Government Supports Your Junk Food Habit." *NY Times*, 19 July 2016. *Nytimes.com*, [well.blogs.nytimes.com/2016/07/19/how-the-government-supports-your-junk-food-habit/](http://well.blogs.nytimes.com/2016/07/19/how-the-government-supports-your-junk-food-habit/). Accessed 4 Dec. 2018.
- Pampel, Eric C., et al. "Socioeconomic Disparities in Health Behaviors." *Annual Review of Sociology*, vol. 36, Aug. 2010, pp. 349-70, doi:10.1146/annurev.soc.012809.102529.
- Rochman, Bonnie. "Childhood Obesity: Most U.S. Schools Don't Require P.E. Class or Recess." *Time Magazine*, Time, 7 Dec. 2011, [healthland.time.com/2011/12/07/childhood-obesity-most-u-s-schools-dont-require-p-e-class-or-recess/](http://healthland.time.com/2011/12/07/childhood-obesity-most-u-s-schools-dont-require-p-e-class-or-recess/). Accessed 15 Mar. 2017.
- Sifferlin, Alexandra. "Why BMI Isn't the Best Measurement for Weight." *Time*, 26 Aug. 2013, [healthland.time.com/2013/08/26/why-bmi-isnt-the-best-measure-for-weight-or-health/](http://healthland.time.com/2013/08/26/why-bmi-isnt-the-best-measure-for-weight-or-health/). Accessed 2 Apr. 2017.
- Sorensen, Becky. "Obesity in America and Its Children: Affecting the Lives of Millions." *University of Missouri Artifacts Journal*, U of Missouri, [artifactsjournal.missouri.edu/2009/08/obesity-in-america-and-its-children-affecting-the-lives-of-millions/](http://artifactsjournal.missouri.edu/2009/08/obesity-in-america-and-its-children-affecting-the-lives-of-millions/). Accessed 15 Mar. 2017.
- Spurkland, Kristin. *Fitness and Fatness*. Portland State University, 2016, [pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=1309&context=honorstheses](http://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?article=1309&context=honorstheses). Accessed 15 Mar. 2017.
- Urahn, Susan K., et al. "Economic Mobility across Generations." *Pew Trusts*, pp. 1-34. *Pewtrusts.org*, [www.pewtrusts.org/~media/legacy/uploadedfiles/wwwpewtrustsorg/reports/economic\\_mobility/pursuingamericandreampdf.pdf](http://www.pewtrusts.org/~media/legacy/uploadedfiles/wwwpewtrustsorg/reports/economic_mobility/pursuingamericandreampdf.pdf). Accessed July 2012.
- "What Is Obesity?" *obesity.org*, Obesity Society, Apr. 2016, [www.obesity.org/obesity/resources/facts-about-obesity/what-is-obesity](http://www.obesity.org/obesity/resources/facts-about-obesity/what-is-obesity). Accessed 15 Mar. 2017.