



## What's the deal with sugary drinks?

**FACT:** Americans consume **a lot** of sugary drinks.

- **Sugary drinks are the single largest source of calories in the American diet.** Teenagers get **13%** of their calories from sugar-sweetened beverages alone.<sup>1,2,3,4</sup>
- On any given day, 1 in 2 Americans (aged 2 and older) consumes at least one sugary drink. 70% of boys (aged 2-19) consume sugary drinks on any given day.<sup>5</sup>
- American adults and youth consume an average of 400 calories per day from beverages alone.<sup>6</sup>
- In 1942, annual U.S. soda production was approximately 60 12-ounce cans of soda per person. *By 2005, soft drink production had increased almost 10-fold.*<sup>7</sup> Today, **companies annually produce enough soda to provide 557 cans — 52.4 gallons — to every person in America.**<sup>8</sup>
- **Portion sizes have exploded.** Since the 1950s, the average size of a fountain drink in the U.S. has increased by 500%.<sup>9</sup>

## Why does it matter?

**FACT:** It isn't as simple as just walking it off. Most of the sugary drinks people consume would require a lot of activity to burn off. You'd have to:

- **Run in a giant gerbil ball for 82 minutes** to burn off the **780 calories in a 64 oz. Soda.**<sup>10,11</sup>
- **Bike rapidly away from a zombie for 66 minutes** to burn off the **780 calories in a 64 oz. Soda.**<sup>12,13</sup>
- **Take out the trash for 67 minutes** to burn off the **200 calories in a 32 oz. Sports Drink.**<sup>14,15</sup>
- **Bathe your dog for 53 minutes** to burn off the **220 calories in a 16 oz. Energy Drink.**<sup>16,17</sup>

**FACT:** Sugary drinks are the only food or beverage that has been **directly** linked to obesity, a leading cause of heart disease, type 2 diabetes, and some cancers.<sup>18</sup>

- For each sugary drink consumed per day, **a child's risk of becoming overweight increases by 60%.**<sup>19</sup>
- Not all calories are equal. Research suggests that liquid calories (such as calories from sugary drinks) are more likely to cause weight gain than calories from solid food.<sup>20</sup> Why? The human body does not recognize liquid calories in the same way, so people are less likely to reduce their caloric intake to compensate for the sugary drink they consumed earlier in the day.
- Drinking a sugary drink or two each day increases your risk for type 2 diabetes by 25%.<sup>21</sup>
- New research suggests that **180,000 deaths worldwide** are linked to sugary beverages each year.<sup>22</sup>

<sup>1</sup> Murphy M, Douglass J, Latulippe M, et al (2005). Beverages as a source of energy and nutrients in diets of children and adolescents. *Experimental Biology* 2005; Abstract #275.4. Also see: New study documents the detrimental impact of teen beverage choices. *Market Wire*. Apr. 3, 2005

<sup>2</sup> Wang CY, Bleich SN, Gortmaker SL. Increasing Caloric Contribution From Sugar-Sweetened Beverages and 100% Fruit Juices Among US Children and Adolescents, 1988–2004. *Pediatrics* 2008;121:e1604-e1614

<sup>3</sup> Y. Claire Wang, Sara N. Bleich and Steven L. Gortmaker. Fruit Juices Among US Children and Adolescents, 1988 –2004. Increasing Caloric Contribution From Sugar-Sweetened Beverages and 100%

<sup>4</sup> Gladys Block. Foods contributing to energy intake in the US: data from NHANES III and NHANES 1999–2000. School of Public Health, University of California.

<sup>5</sup> Cynthia L. Ogden, Ph.D., M.R.P.; Brian K. Kit, M.D., M.P.H.; Margaret D. Carroll, M.S.P.H.; and Sohyun Park, Ph.D., M.S. NCHS Data Brief, No. 71, August 2011. CDC/NCHS, National Health and Nutrition Examination Survey, 2005–2008. <http://www.cdc.gov/nchs/data/databriefs/db71.pdf>

<sup>6</sup> U.S. Department of Agriculture and U.S. Department of Health and Human Services. *Dietary Guidelines for Americans*, 2010. 7th Edition, Washington, DC: U.S. Government Printing Office, December 2010.

<sup>7</sup> CSPI, *Liquid Candy: How Soft Drinks Are Harming Americans' Health*, 2005. Washington, DC. [http://www.cspinet.org/new/pdf/liquid\\_candy\\_final\\_w\\_new\\_supplement.pdf](http://www.cspinet.org/new/pdf/liquid_candy_final_w_new_supplement.pdf)

<sup>8</sup> Beverage Digest, op cit. Sales in 2004 were 10.24 billion 192-ounce cases.

<sup>9</sup> <http://makinghealththeasier.org/newabnormal>

<sup>10</sup> Ainsworth BE, Haskell WL, Herrmann SD, Meckes N, Bassett Jr DR, Tudor-Locke C, Greer JL, Vezina J, Whitt-Glover MC, Leon AS. The Compendium of Physical Activities Tracking Guide. Healthy Lifestyles Research Center, College of Nursing & Health Innovation, Arizona State

---

University. Retrieved March 27, 2014 from the World Wide Web. <https://sites.google.com/site/compendiumofphysicalactivities/>. Calculation assumes a 150 lbs. individual running 5 mph at MET score 8.0.

<sup>11</sup> Kansagra, Susan, MD, MBA. "Maximum Size For Sugary Drinks: Proposed Amendment of Article 81." New York City Department of Health and Mental Hygiene. June 12, 2012. [http://www.nyc.gov/html/doh/downloads/pdf/boh/max\\_size\\_sugary\\_drinks\\_BOH.pdf](http://www.nyc.gov/html/doh/downloads/pdf/boh/max_size_sugary_drinks_BOH.pdf).

<sup>12</sup> Ainsworth BE, Haskell WL, Herrmann SD, Meckes N, Bassett Jr DR, Tudor-Locke C, Greer JL, Vezina J, Whitt-Glover MC, Leon AS. The Compendium of Physical Activities Tracking Guide. Healthy Lifestyles Research Center, College of Nursing & Health Innovation, Arizona State University. Retrieved March 27, 2014 from the World Wide Web. <https://sites.google.com/site/compendiumofphysicalactivities/>. Calculation assumes a 150 lbs. biking at 14-15.9 mph at MET score 10.0.

<sup>13</sup> Kansagra, Susan, MD, MBA. "Maximum Size For Sugary Drinks: Proposed Amendment of Article 81." New York City Department of Health and Mental Hygiene. June 12, 2012. [http://www.nyc.gov/html/doh/downloads/pdf/boh/max\\_size\\_sugary\\_drinks\\_BOH.pdf](http://www.nyc.gov/html/doh/downloads/pdf/boh/max_size_sugary_drinks_BOH.pdf).

<sup>14</sup> Ainsworth BE, Haskell WL, Herrmann SD, Meckes N, Bassett Jr DR, Tudor-Locke C, Greer JL, Vezina J, Whitt-Glover MC, Leon AS. The Compendium of Physical Activities Tracking Guide. Healthy Lifestyles Research Center, College of Nursing & Health Innovation, Arizona State University. Retrieved March 27, 2014 from the World Wide Web. <https://sites.google.com/site/compendiumofphysicalactivities/>. Calculation assumes a 150 lbs. doing general light chores at MET score 2.5.

<sup>15</sup> Gatorade Company. "Nutrition Label of Gatorade Thirst Quencher Cool Blue Flavor." Chicago, Illinois. Copyright 2013.

<sup>16</sup> Ainsworth BE, Haskell WL, Herrmann SD, Meckes N, Bassett Jr DR, Tudor-Locke C, Greer JL, Vezina J, Whitt-Glover MC, Leon AS. The Compendium of Physical Activities Tracking Guide. Healthy Lifestyles Research Center, College of Nursing & Health Innovation, Arizona State University. Retrieved March 27, 2014 from the World Wide Web. <https://sites.google.com/site/compendiumofphysicalactivities/>. Calculation assumes a 150 lbs. doing standing and bathing a dog at MET score 3.5.

<sup>17</sup> PepsiCo, Inc. "Nutrition Label of AMP Energy Drink." Purchase, New York. Accessed March 28, 2014.

<sup>18</sup> Woodward-Lopez G, Kao J, Ritchie L. To What Extent Have Sweetened Beverages Contributed To The Obesity Epidemic? *Public Health Nutrition*. Published online 23 Sep 2010. doi:10.1017/S1368980010002375.

<sup>19</sup> Ludwig DS, Peterson KE, Gortmaker SL. Relation Between Consumption Of Sugar-Sweetened Drinks And Childhood Obesity: A prospective, observational analysis. *Lancet* 2001; 357: 505–08

<sup>20</sup> Lenny R. Vartanian, PhD, Marlene B. Schwartz, PhD, and Kelly D. Brownell, PhD. Effects of Soft Drink Consumption on Nutrition and Health: A Systematic Review and Meta-Analysis. *American Journal of Public Health*. April 2007; 97(4)

<sup>21</sup> Malik VS, et al. Sugar-Sweetened Beverages and Risk of Metabolic Syndrome and Type 2 Diabetes. *Diabetes Care*. 2010; 33:2477–2483

<sup>22</sup> <http://healthland.time.com/2013/03/20/sugary-beverages-linked-to-deaths-worldwide/#ixzz2OH5MdTm4>