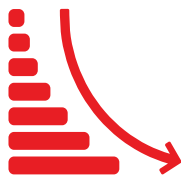


# SUMMER BY THE NUMBERS

## THE ACHIEVEMENT GAP

WHAT HAPPENS TO CHILDREN DURING THE SUMMER?



### THE “SUMMER SLIDE”

is what often happens to disadvantaged children during the summer months. They tread water at best or even fall behind, while higher-income children build their skills steadily over the summer months.



Most students lose

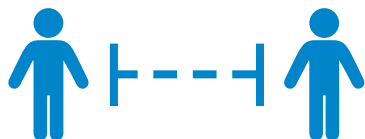
### TWO MONTHS

of mathematical skills every summer, and low-income children typically lose another two to three months in reading.<sup>1</sup>



Summer learning loss during elementary school accounts for two-thirds of the achievement **GAP IN READING** between low-income children and their middle-income peers by ninth grade.<sup>2</sup>

*Based on a study by Johns Hopkins University*



### THE ACHIEVEMENT GAP

between children from high- and low-income families is roughly thirty to forty percent larger among children born in 2001 than among those born twenty-five years earlier.<sup>3</sup>



Elementary school students with high levels of attendance (at least five weeks) in voluntary

### SUMMER LEARNING PROGRAMS

experience benefits in math and reading.<sup>4</sup>



### 9 IN 10 TEACHERS

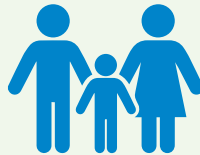
spend at least three weeks re-teaching lessons at the start of the school year.<sup>5</sup>

Sources: <sup>1</sup> Afterschool Alliance. (2009). *American after 3 pm: The most in-depth study of how America's children spend their afternoons*. Retrieved from [http://www.afterschoolalliance.org/AA3\\_Full\\_Report.pdf](http://www.afterschoolalliance.org/AA3_Full_Report.pdf) <sup>2</sup> Alexander, K. L., Entwisle D. R., & Olson L. S. (2007a). *Lasting consequences of the summer learning gap*. *American Sociological Review*, 72, 167 <sup>3</sup> New York Times. (Feb 9, 2012). *Education Gap Grows Between Rich and Poor*, *Studies Say*.

<sup>4</sup> Catherine H. Augustine, Jennifer Sloan McCombs, John F. Pane, Heather L. Schwartz, Jonathan Schweig, Andrew McEachin, and Kyle Siler-Evans. *Learning from Summer: Effects of Voluntary Summer Learning Programs on Low-Income Urban Youth*. RAND Corporation. (September 2016).

<sup>5</sup> Surveyed by the National Summer Learning Association. Retrieved from <http://rer.sagepub.com/content/66/3/227.abstract> and [http://c.yecd.com/sites/www.summerlearning.org/resource/resmgr/press\\_releases/nsla\\_summer\\_release\\_130528\\_f.pdf](http://c.yecd.com/sites/www.summerlearning.org/resource/resmgr/press_releases/nsla_summer_release_130528_f.pdf) and [http://c.yecd.com/sites/www.summerlearning.org/resource/resmgr/Publications/Impact\\_on\\_Teaching\\_and\\_Learn.pdf](http://c.yecd.com/sites/www.summerlearning.org/resource/resmgr/Publications/Impact_on_Teaching_and_Learn.pdf)

## ACCESS TO AND DEMAND FOR SUMMER PROGRAMS



**51% OF FAMILIES** not participating in a summer program say they would if one was available to them.<sup>6</sup>



Of families who pay for summer programs, the average weekly reported cost is **\$288 PER CHILD** per week<sup>7</sup>

## SUMMER HEALTH AND NUTRITION FOR KIDS



In 2016, only **1 IN 7** youth eligible for the federal Summer Food Service Program received these subsidized meals during the summer, leaving millions of dollars in federal funding on the table and many young people to needlessly go hungry when school is not in session.<sup>8</sup>



Minority children gain weight up to **TWICE AS FAST** during the unstable months of the summer as during the school year.<sup>9</sup>

## SUMMER JOBS, SUMMER MELT AND OLDER YOUTH



Without summer counseling and support, **ONE-THIRD** of first generation college attenders fall victim to the “summer melt” and fail to enroll in the fall, even after being accepted.<sup>10</sup>



Waiting lists for summer youth jobs are **IN THE THOUSANDS** in most major cities, despite promising findings around reduced crime and mortality rates for participants.<sup>11,12</sup>

Sources: <sup>6</sup> Afterschool Alliance. (2009). *American after 3 pm: The most in-depth study of how America's children spend their afternoons*. Retrieved from [http://www.afterschoolalliance.org/AA3\\_Full\\_Report.pdf](http://www.afterschoolalliance.org/AA3_Full_Report.pdf) <sup>7</sup> Ibid. <sup>8</sup> Sims, K., Anderson, S., FitzSimons, C., Burke, M., & Kapp-Klote, H. (2016). *Hunger doesn't take a vacation: Summer nutrition status report 2014*. Food Research and Action Center. Retrieved from [http://frac.org/pdf/2015\\_summer\\_nutrition\\_report.pdf](http://frac.org/pdf/2015_summer_nutrition_report.pdf). <sup>9</sup> Von Hippel, P. T., Powell, B., Downey, D. B., & Rowland, N. J. (2007). The effect of school on overweight in childhood: gain in body mass index during the school year and during summer vacation. *American Journal of Public Health, 97*(4), 696-702. <sup>10</sup> Castleman, B. L., Page, L. C., Winkle-Wagner, R., Bowman, P. J., John, E. P. S., Meyer, H. D., & Hu, S. (2014). *Summer melt: Supporting low-income students through the transition to college*. Cambridge, MA: Harvard Education Press. <sup>11</sup> Heller, S. B. (2014). Summer jobs reduce violence among disadvantaged youth. *Science, 346* (6214), 1219-1223. <sup>12</sup> Gelber, A., Isen, A., & Kessler, J. B. (2014). *The effects of youth employment: Evidence from New York City summer youth employment program lotteries* (No. w20810). National Bureau of Economic Research.