Childcare Map Philadelphia – Data Directory

Childcare Supply, Demand and Shortage Data

There is no single data source that permits the adequate modeling of the supply and quality of child care. Nor is there a single source of data that indicates the demand for childcare services. And where demand data exist, it is inadequate because there is no clear indication of which children are in child care and which are not; which are in child care near where their parents live or near where they work. Because of this, Reinvestment Fund statistically estimated both the supply of and demand for child care by combining data from several different databases to best approximate both sides of the supply/demand equation.

The shortage in child care was measured generally in two ways: absolute and relative. The absolute shortage is the raw difference between supply and demand. The relative shortage is a measure that makes statistical adjustments for existing shortages in the market. Absolute and relative shortages were subdivided to offer specific gap measures for total supply, certified supply and high-quality supply (defined as centers with a Keystone STARS 3- or 4-star rating). Every census block group in the city of Philadelphia has multiple supply, demand and shortage measures. Each of the shortage measures is instructive of the nature of the required programmatic or investment activity (e.g., invest in getting existing uncertified supply certified, upgrading existing certified supply, creating new high-quality supply).

For a more detailed description of the data and methodology, please see Reinvestment Fund's childcare report.

Census: Decennial Census and American Community Survey

For a detailed description of the census sources used in this mapping tool, including the difference between the decennial census and the American Community Survey as well as how percent change calculations are done between various years, please see the Census entry in PolicyMap's Data Directory.

See chart below for a full list and description of data sources used in the Childcare Map tool.

		Thematic Data		
Category	**Indicator(s)**	**Description**	**Source**	**Years Available**
Childcare Supply	Total Supply, Total Supply (Buffered)	The total estimated supply of childcare slots in the block group from all sources of data. The buffered layer includes total estimated supply within ½ mile of the block group boundary.	OCDEL, NETS, InfoUSA, Head Start, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	Total Licensed Supply, Total Licensed Supply (Buffered)	The estimated supply of certified childcare slots in the block group. The buffered layer includes total licensed supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	No Star Supply, No Star Supply (Buffered)	The estimated supply of childcare slots in the block group in centers with Zero Stars on the Keystone Stars rating system. The buffered layer includes total Zero Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	One Star Supply, One Star Supply (Buffered)	The estimated supply of childcare slots in the block group in centers with One Star on the Keystone Stars rating system. The buffered layer includes total One Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	Two Star Supply, Two Star Supply (Buffered)	The estimated supply of childcare slots in the block group in centers with Two Stars on the Keystone Stars rating system. The buffered layer includes total Two Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	Three Star Supply, Three Star Supply (Buffered)	The estimated supply of childcare slots in the block group in centers with Three Stars on the Keystone Stars rating system. The buffered layer includes total Three Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016,

				2017, 2018
Childcare Supply	Four Star Supply, Four Star Supply (Buffered)	The estimated supply of childcare slots in the block group in centers with Four Stars on the Keystone Stars rating system. The buffered layer includes total Four Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Supply	High Quality Supply, High Quality Supply (Buffered)	The estimated supply of childcare slots in the block group in high quality programs (sites with Three or Four Stars on the Keystone Stars rating system, Head Start programs, School District of Philadelphia affiliated programs). The buffered layer includes total Three or Four Star supply within ½ mile of the block group boundary.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Demand	Estimated Total Demand	Total population under 5 years old within 1/2 mile of the block group minus 33% of children whose parents work outside of the block group plus 33% of children whose parents work within the block group.	2010 Decennial Census, LEHD, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Demand	Children Ages 0-1, Children Ages 0-1 (Buffered)	Number of children under one year old in the block group. The buffered layer includes children under the age of one within ½ mile of the block group boundary.	2010 Decennial Census, Reinvestment Fund	2013
Childcare Demand	Children Ages 0-4, Children Ages 0-4 (Buffered)	Number of children under five years old in the block group. The buffered layer includes children under five years old within ½ mile of the block group boundary.	2010 Decennial Census, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Demand	Children Ages 1-4, Children Ages 1-4 (Buffered)	Number of children between one and four years old in the block group. The buffered layer includes children between one and four years old within ½ mile of the block group boundary.	2010 Decennial Census, Reinvestment Fund	2013
Childcare Demand	Children Ages 3-4, Children Ages 3-4 (Buffered)	Number of children between three and four years old in the block group. The buffered layer includes children between	2010 Decennial Census, Reinvestment Fund	2013

		three and four years old within ½ mile of the block group boundary.		
Childcare Shortage	Total Relative Shortage	The difference between the total childcare supply and the expected childcare supply for the block group. Expected childcare supply is generated with a regression analysis that predicts supply based on the amount of demand in the block group.	OCDEL, NETS, InfoUSA, Head Start, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Shortage	Certified Relative Shortage	The difference between the certified childcare supply and the expected certified childcare supply for the block group. Expected certified childcare supply is generated with a regression analysis that predicts supply based on the amount of total supply and the demand in the block group.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Shortage	High Quality Relative Shortage	The difference between the high quality childcare supply and the expected high quality childcare supply for the block group. Expected high quality childcare supply is generated with a regression analysis that predicts supply based on the amount of certified supply and the demand in the block group.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Shortage	Total Absolute Shortage, Total Absolute Shortage (Buffered)	Overall supply within the block group minus the overall demand within the block group. The buffered layer includes total childcare supply within a half-mile buffer of the block group minus the overall demand within a half-mile buffer of the block group.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Childcare Shortage	Certified Absolute Shortage, Certified Absolute Shortage (Buffered)	Supply of certified childcare within the block group minus the overall demand within the block group. The buffered layer includes supply of certified childcare within a half-mile buffer of the block group minus the overall demand within a half-mile buffer of the block group.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018

Childcare Shortage	High Quality Absolute Shortage, High Quality Absolute Shortage (Buffered)	Supply of high quality childcare within the block group minus the overall demand within the block group. The buffered layer includes supply of high quality childcare within a half-mile buffer of the block group minus the overall demand within a half-mile buffer of the block group.	OCDEL, Reinvestment Fund	2013, 2014, 2016, 2017, 2018
Families	Total Families	Estimated count of families in 2000, 2010, as well as the 2008-2012 and the 2013-2017 periods. Percent change is also offered between 2000 and 2010; between 2000 and 2008-2012; and between 2000 and 2013-2017.	2000 and 2010 Decennial Census, 2008-2012 ACS, 2013-2017 ACS	2000, 2010, 2012, 2017
Race & Ethnicity	Race & Ethnicity (White, Non-White, African American, American Indian and Alaska Native, Native Hawaiian and Other Pacific Islander, Some Other Race, Minority, Hispanic)	Estimated percent of the population that is of various races and ethnicities, as reported in 2000, 2010, as well as the 2008-2012 and the 2013-2017 periods. Percent change is also offered between 2000 and 2010; between 2000 and 2008-2012; and between 2000 and 2013-2017.	2000 and 2010 Decennial Census, 2008-2012 ACS, 2013-2017 ACS	2000, 2010, 2012, 2017
Language	Non-English Speaking	Estimated count and percent of people age 5 and older who were non-English speaking, as reported in the 2008-2012 and 2013-2017 time periods.	2008-2012 ACS, 2013-2017 ACS	2012, 2017
Language	Spanish Speaking	Estimated count and percent of people age 5 and older who speak Spanish or Spanish Creole at home, as reported in the 2011-2015 period.	2011-2015 ACS	2015
Language	Predominant Language; Predominant Language, Excluding English	Language spoken at home by the largest number of people within a given area, as reported in the 2011-2015 period. Predominant Language, Excluding English excludes the English-speaking population when determining predominant language.	2011-2015 ACS	2015
Money & Income	Median Household Income	Estimated median household income in the past 12 months, as reported in 2000 as well as the 2008-2012 and the 2013-	2000 Decennial Census, 2008-2012	2000, 2012, 2017

Category	Indicator(s)	Description	Source	
		2017 periods. Percent change is offered between 2000 and 2008-2012 as well as between 2000 and 2013-2017.	ACS, 2013-2017 ACS	
Money & Income	Median Family Income	Estimated median family income in the past 12 months, as reported in 2000 as well as the 2008-2012 and the 2013-2017 periods. Percent change is offered between 2000 and 2008-2012 as well as between 2000 and 2013-2017.	2000 Decennial Census, 2008-2012 ACS, 2013-2017 ACS	2000, 2012, 2017
Money & Income	Families in Poverty	Estimated percent of families that are below poverty level in 2000 as well as the 2008-2012 and the 2013-2017 periods. Percent change is offered between 2000 and 2008-2012 as well as between 2000 and 2013-2017.	2000 Decennial Census, 2008-2012 ACS, 2013-2017 ACS	2000, 2012, 2017
Transportation to Work	Drive, Public Transit, Bicycle, Walk, Work from Home, Other	Estimated count and percent of workers age 16 years or older who commuted to work by various methods in 2000 as well as the 2008-2012 and the 2013-2017 periods. Percent change is offered between 2000 and 2008-2012 as well as between 2000 and 2013-2017.	2000 Decennial Census, 2008-2012 ACS, 2013-2017 ACS	2000, 2012, 2017
Zoning	Zoning	Philadelphia Zoning Base Districts	Philadelphia City Planning Commission	2017

Point and Polygon Data			
Category	**Indicator(s)**	**Description**	**Source**
Childcare Supply	Certified Childcare	All certified childcare facilities, as of September 2018.	OCDEL
Childcare Supply	Uncertified Childcare	Known uncertified childcare facilities, as of 2018.	NETS, InfoUSA

Childcare Supply	Head Start	All Head Start childcare facilities, as of 2018. Reinvestment Fund created the capacity estimates provided in this dataset.	Head Start, Reinvestment Fund
Transportation	Subway Lines, Regional Rail Lines, Trolley Lines, Bus Lines	These datasets includes high speed lines and stations, regional rail lines and stations, trolley lines, as well as bus routes. The data is maintained by SEPTA and released through the Pennsylvania Spatial Data Access (PASDA) website.	SEPTA
Transportation	Bike Lanes	This dataset maps all Bike Lanes within the city of Philadelphia.	City of Philadelphia Streets Department
% Families in Poverty	% Families in Poverty (25% - 34.99% and 35% or More)	Reinvestment Fund used 2013-2017 ACS data to identify block groups meeting the particular criteria, and then merged the block groups into the shapes that display on the map.	2013-2017ACS
% African American Population	% African American Population (50% - 74.99%, 75% - 89.99%, and 90% or More)	Reinvestment Fund used 2013-2017 ACS data to identify block groups meeting the particular criteria, and then merged the block groups into the shapes that display on the map.	2013-2017 ACS, Reinvestment Fund
% Hispanic Population	% Hispanic Population (10% - 24.99% and 25% or More)	Reinvestment Fund used 2013-2017 ACS data to identify block groups meeting the particular criteria, and then merged the block groups into the shapes that display on the map.	2013-2017 ACS, Reinvestment Fund
City Resources	Schools	Schools	PCPC
City Resources	Libraries	Libraries	PCPC
City Resources	Recreation Centers	Recreation Centers	Parks and Recreation
City Resources	Transitional Housing	Transitional housing facilities	Office of Homeless Services

Potential Childcare Facilities	Previously Certified Centers	Previously Certified Centers	PHMC
Potential Childcare Facilities	For-Sale School District Buildings	For-Sale School District Buildings	PIDC, Philadelphia School District
Potential Childcare Facilities	Other Potential Childcare Facilities	Potential Childcare Facilities	FixList
Potential Childcare Facilities	Playgrounds	Playgrounds	PCPC

Report Data

Category	Indicator(s)	Description	Source
Childcare Supply	Certified Childcare	Total 0 Star, 1 & 2 Star, and 3 & 4 Star certified childcare facilities, as of September 2018.	OCDEL
Head Start	Head Start	All Head Start childcare facilities, as of 2018. Reinvestment Fund created the capacity estimates provided in this dataset.	Head Start, Reinvestment Fund
Childcare Demand	Total Estimated Childcare Demand	The total population of children ages 0-4 minus 33% of children whose parents work outside of the block group plus 33% of children whose parents work within the block group.	2010 Decennial Census, LEHD, Reinvestment Fund
School Enrollment	Children Enrolled in Public School, Children Enrolled in Private School	The count and percent of children enrolled in public and private schools, as estimated during the 2013-2017 period.	2013-2017 ACS
Population and Age Distribution	Total Population and Age Breakdowns	The count and percent of the population in the following age groups in 2010: under 1 year old, 1 year old, 2 years old, 3 years old, 4 years old, under 5 years old 5-17 years old, 18-64 years old, 65+ years old, as well as the count of the total population.	2010 Decennial Census
Race and Ethnicity	Various Race and Ethnicity Breakdowns	The count and percent of the population that is White, African American, Asian, Native Hawaiian or Pacific Islander, American Indian or Alaskan Native, some other race, or two or more races, by single classification of census race in 2010. The count and percent of the population that is Hispanic or Latino is also included.	2010 Decennial Census

Income	Various Income and Poverty Breakdowns	The count and percent of families and households that fall within the following income brackets, as estimated during the 2013-2017 period: Less than $25,000, $25,000 - $34,999, $35,000 - $49,999, $50,000 - $74,999, $75,000 - $99,999, $100,000 - $124,999, $125,000 - $149,999, and $150,000 or more. The count and percent of families in poverty and families with children under the age of 5 in poverty are also included, as are the count and percent of families at up to 200% of the poverty level, up to 300% of the poverty level, and above 300% of the poverty level.	2013-2017 ACS
Jobs and Economy	Residents and Workers Earning Less than $15,000 from Primary Job, Residents and Workers Earning $15,000 - $39,999 from Primary Job	The count and percent of residents from the area earning less than $15,000 or between $15,000 - $39,999 annually from their primary job in 2015. The count and percent of workers employed in the area earning less than $15,000 or between $15,000 - $39,999 annually from their primary job is also included.	LEHD
Transportation	People Using Public Transportation to Get to Work, Households Without a Vehicle	The count and percent of people using public transportation to get to work, as estimated during the 2013-2017 time period. The count and percent of households without a vehicle is also included.	2013-2017 ACS
Educational Attainment	Various Educational Attainment Breakdowns	The count and percent of the population with the following classifications of educational attainment, as estimated during the 2013-2017 period: without a high school diploma, with only a high school diploma, with some college or an Associate's Degree, with at least a Bachelor's Degree.	2013-2017 ACS