

Childcare Enrollment and Accessibility in Waterbury, 2016

Commissioned by the Leever Foundation

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¹ Photo Credit: City of Waterbury, Wikipedia

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Map Resources are available at these links:

Childcare and Education for All Kids, Ages 0-4 in Waterbury

- https://datahaven.cartodb.com/viz/7426f5fa-2e4f-11e6-be1c-0e5db1731f59/public_map

Childcare and Education for Infants/Toddlers, Ages 0-2 in Waterbury

- https://datahaven.cartodb.com/viz/e1d5d778-30da-11e6-a7be-0ecd1babdde5/public_map

Childcare and Education for Preschool-aged children, Ages 3-4 in Waterbury

- https://datahaven.cartodb.com/viz/4c447ac8-30af-11e6-9f4b-0ecd1babdde5/public_map

Provider Reference Map

- https://datahaven.carto.com/viz/b59d3c12-4ac2-11e6-9527-0e05a8b3e3d7/public_map

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Introduction to Waterbury

Opportunities for young children and families

Waterbury is the fifth largest city in Connecticut, with a population of 109,887 in 2014.¹ The city is made of 6 zip codes, or 48 neighborhoods defined by the City of Waterbury. Formed based on natural divisions of hills and rivers as well as the presence of ethnic communities, Waterbury's neighborhoods are distinct. Waterbury locals say that neighborhood identity is strong, with many residents preferring to access services in their own neighborhood rather than across the city. The hilly topography, which can make traversing neighborhoods difficult, compounds this sentiment.

CT Transit provides public bus service in Waterbury, with routes running from Exchange Place in the downtown to surrounding neighborhoods. Additionally, the Metro-North Railroad connects Waterbury to Bridgeport, and onward to New York City and New Haven, several times a day.

The Waterbury School Readiness Council serves the city, striving "to engage all sectors of the community in promoting early care and education so all children will be successful learners." To that end, the council works to organize funding and distribution of childcare and education slots in Waterbury for young children, focusing on helping families with economic need to enroll their children in subsidized or free slots.²

Free childcare and education for eligible infant, toddler, and preschool-aged children are provided at the Department of Children and Families center and the Head Start program located in town. Waterbury School District uses government funding to operate free preschool programs in public schools (slots are allocated by lottery) through Title 1 money as well as in magnet schools with magnet funding (non-Waterbury residents can attend magnet programs). A Child Development Center (CDC) provides subsidized childcare for infants, toddlers, and preschoolers. As a priority district, Waterbury receives "School Readiness" funding to subsidize the cost of preschool in centers throughout the city. Eligible families apply for and receive subsidies on a sliding scale of value according to their income (the lower the income, the higher the subsidy). There are also unsubsidized childcare and education options in Waterbury, including a number of center-based programs operating as well as more than 100 licensed family care providers, who provide quality care to young children in their homes.

Challenges for young children and families

As a city, Waterbury faces demographic, economic, and physical challenges that may impact educational opportunities for young children. Since 2000, the population of young children (ages 0-4) decreased by 2 percent, or 171 young children, to a population of 8,000 in 2014.³ From 2014 to 2025, the young child population is expected to decrease by another 7 percent, or 330 individuals. These are relatively small decreases, especially considering that the statewide young child population decreased by 13 percent from 2000 to 2014. However, a declining young child population may give some education planners pause to expanding or adding new childcare programs.

Despite the overall population decline among young children, the number of young children in Waterbury from low-income households (earning less than twice the federal poverty rate, equivalent to less than \$48,600 for a family of four) has increased over the past decade. In 2000, 54 percent of children ages 0-5 were low income; in 2014 that share was 66 percent, corresponding with an increase of 931 children ages 0-5 with low-income status. Waterbury's young child low-income rate is 32 percentage points higher than Connecticut's (34 percent).

More young children from low-income families correspond with more families for whom the cost of unsubsidized, licensed childcare or education is a significant – potentially unaffordable – burden. In 2012, licensed childcare in Waterbury cost on average between \$8,400 and \$11,400 per year. For a family with children earning the

¹ Waterbury, Total Population, 2014 5-Year ACS. DataHaven Community Profiles. <http://ctdatahaven.org/profiles/waterbury>.

² Waterbury School Readiness Council's Early Childhood Preschool Experience Questionnaire Report, released December 10, 2015, states the mission of the Waterbury School readiness Council.

³ Unless otherwise stated, all demographic data are from the 2010-14 American Community Survey. U.S. Census Bureau. (2015). 2014 American Community Survey 5-year estimates. Available at <http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>

average income in Waterbury (\$38,500 that year), the cost of childcare for two young children would be between 40-60 percent of income.⁴ This dramatically contradicts the federal government’s recommendation that families spend at most 7 percent of income on childcare.⁵ Statewide, enrollment at center-based preschool programs was lower for children from low-income families (54 percent) in 2014, compared to children from non-low income households (67 percent)—an indication that the high cost of preschool and childcare may be a barrier to enrollment. In Waterbury, 52 percent of 3-and-4 year olds enrolled in center-based preschool programs in 2014, compared to 64 percent in Connecticut.

Data from the 2015 DataHaven Community Wellbeing Survey (CWS), a first-of-its-kind statewide survey of over 16,000 randomly-selected adults on social, health, and economic issues in Connecticut neighborhoods, indicate that Waterbury residents are more likely than Connecticut residents overall to face day-to-day challenges that might jeopardize access to childcare.⁶ CWS results suggest the impact that these issues may have on child-rearing in Waterbury: 37 percent of Waterbury adults thought their town was an excellent or good place to raise children, half the rate of adults statewide (75 percent).

According to the survey’s population-weighted estimates, 18 percent of Waterbury adults did not have a checking or savings account in 2015 (more than twice the state rate of unbanked adults, 8 percent). Families lacking banking services might face problems when trying to make costly payments for childcare or when applying for childcare subsidies. Also, Waterbury residents are less likely to report having reliable transportation (76 percent), compared to Connecticut residents overall (87 percent). The rates of adults who said their primary means of transport was driving their own car were nearly equal to those who said they had reliable transportation – 75 percent in Waterbury and 86 percent statewide. These similarities suggest that for Waterbury residents, having reliable transportation virtually depends on having access to a car – possibly due to limitations of other means of transportation: the hilly topography, unsafe sidewalks, and lack of bike trails would make walking or biking difficult.⁷ In zip code 06702 (where buses serve most frequently and thoroughly in Waterbury), residents were least likely to say they had reliable transportation suggests that public bus service in the city may also be unreliable. Adults without reliable transportation may find it difficult to get young children from home to childcare every day. Childcare programs should be placed as close as possible to children’s homes and/or to bus routes in the city, to help families without cars or reliable transportation means to get to childcare.

Opportunities for families and young children range significantly in Waterbury, based on neighborhood – although in general, most parts of Waterbury still lag behind Connecticut averages with respect to key early childhood indicators. Zip codes 06705 (East), 06708 (West), and 06710 (Central-North) demonstrate better opportunities for families and young children than other parts of Waterbury. Meanwhile, families living in zip codes 06702 (Downtown) and 06704 (North) are even more likely to face economic hardship or poor access to resources than other Waterbury residents.

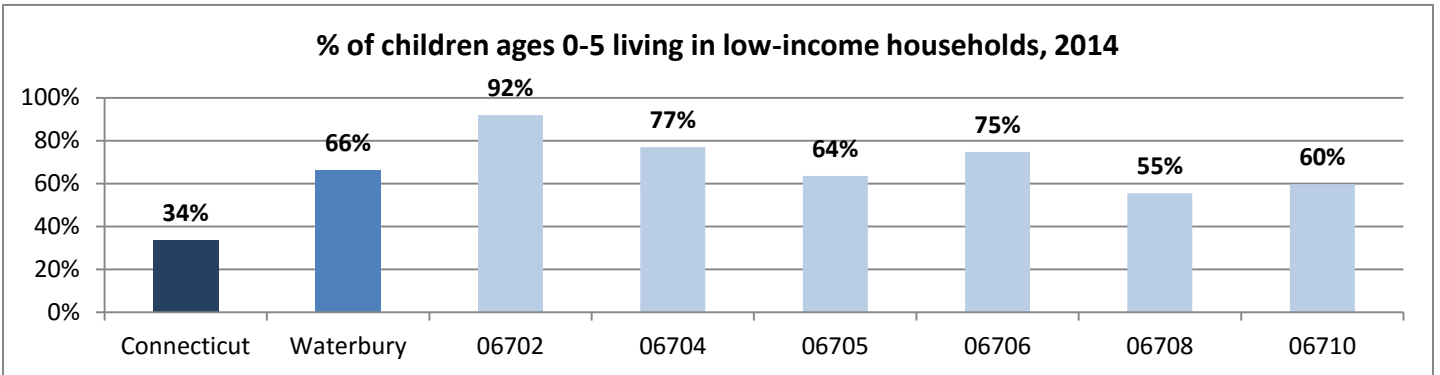
⁴ 2-1-1 Childcare. (2013). “2012 Connecticut Childcare Affordability and Availability Report.” Available at <http://www.211childcare.org/reports/capacity/>

⁵ <https://www.gpo.gov/fdsys/pkg/FR-2015-12-24/pdf/2015-31883.pdf>

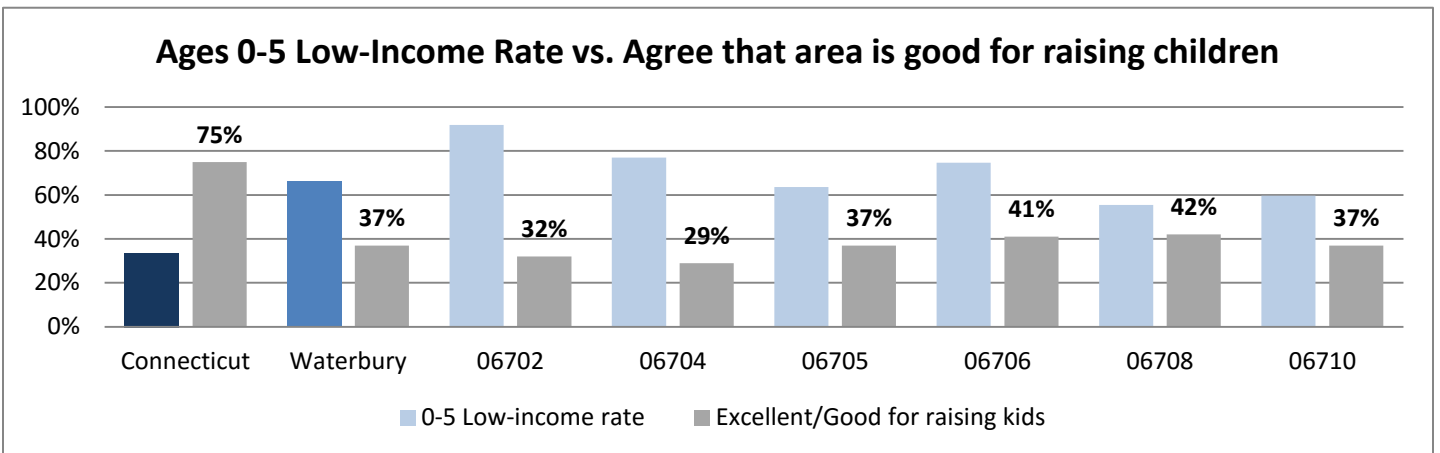
⁶ The 2015 Community Wellbeing Survey completed in-depth interviews with 16,219 randomly-selected adults statewide, including 610 in Waterbury. See results from the 2015 Community Wellbeing Survey on DataHaven’s website, available at <http://ctdatahaven.org/reports/datahaven-community-wellbeing-survey>

⁷ According to estimates from the 2015 Community Wellbeing Survey, 39 percent of Waterbury adults report that there are not safe sidewalks or crosswalks on most streets in their neighborhood (compared to 40 percent of Connecticut adults). 65 percent of Waterbury adults say their neighborhood lacks places to bike that are safe from traffic, like special lanes, separate paths, or trails (versus 39 percent of Connecticut adults).

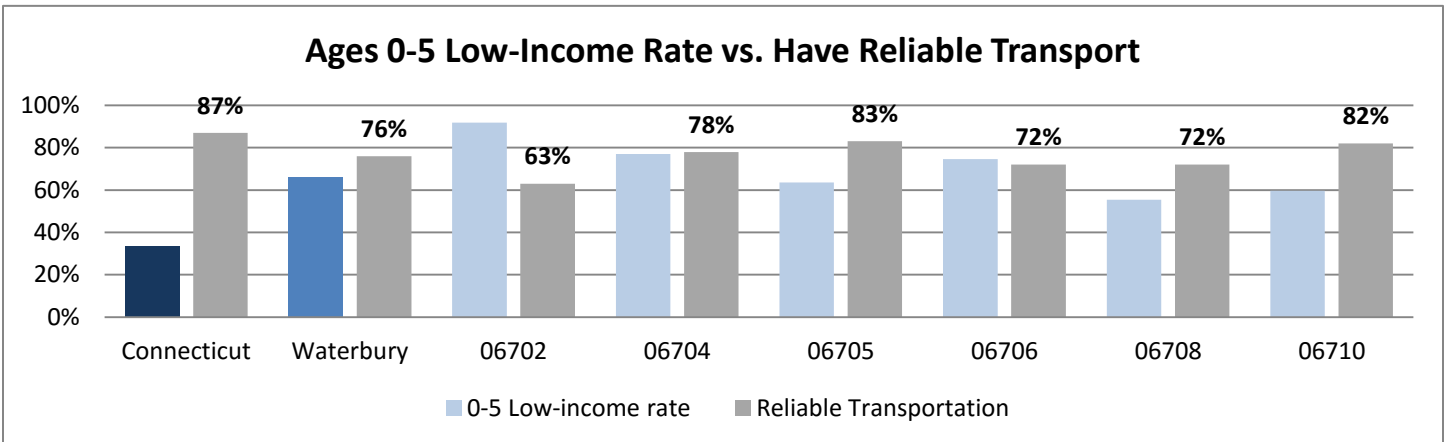
The low-income rate among young children is more indicative of their well-being than any other indicator, and this rate ranges significantly by zip code.



Similar disparities exist between zip codes on other aspects of well-being and opportunity for children. In general, the lower the young children low-income rate, the higher the percentage of adults agreeing that the area is good for raising children.



In general, the lower the young children low-income rate, the higher the percentage of adults agreeing that they have reliable transportation.



Accessibility and Availability of Childcare and Education in Waterbury

Are Waterbury 3-and-4 year olds attending preschool?

According to a 2016 Waterbury School Readiness Council study, 23 percent of new kindergarteners had not attended preschool. Surveyed families of kindergartners cited a variety of reasons for not enrolling their children in preschool.⁸ Nearly one-third (31 percent) cited cost, no availability, location, or transportation. These reasons all might be addressed through examining the location of childcare slots and subsidies, and possibly re-distributing slots and subsidies to better match where children live. Collectively, “mismatch” reasons were the second-most commonly cited, after parents who said they wanted to keep their kids at home (34 percent).

If your child did not attend any preschool, what was the reason?

I wanted to have my child at home	34%
Cost	10%
No Availability	7%
Location	4%
Transportation	7%
Didn't know about preschool opportunities	11%
Other childcare arrangements – family, friends	11%
Other Reason	17%

Are Waterbury infants and toddlers attending childcare?

Good data do not exist to understand what share of Waterbury infants and toddlers (ages 0-2) attend licensed childcare or education programs in centers, schools, or the homes of childcare providers. However, this study finds a dramatic shortage in licensed care for infants and toddlers – compared to the number of infant and toddler residents – in almost every neighborhood of the city. The shortage of subsidized or free licensed childcare slots for infants and toddlers is even more extreme. This suggests that lack of licensed care may keep many families from sending their infants and toddlers to licensed care programs.

Childcare slots for young children in Waterbury: Availability and shortages

	Young children, ages 0-4	Infant Toddlers (I/T), ages 0-2	Preschool- aged (PreK), ages 3-4
Estimated, Children in 2016, attending childcare programs in the city ¹	7,323	4,369	2,954
Licensed childcare slots	3,473	796	2,677
Family care slots	342	568	2,563
School & center-based slots	3,131	228	114
Needed slots (gap in slots)	3,850	3,573	277
FEASIBLE % of children served in slots	47%	18%	91%

1. 2015-16 Waterbury Public Schools Kindergartners, 1st, and 2nd graders, who also live in Waterbury, are used as an estimate of young children seeking childcare throughout this report. Read more in Methodology section.

There is a good supply of preschool slots in Waterbury, but accessing those slots is more challenging. For the estimated 2,950 preschool-aged children (ages 3-4) in Waterbury, there were about 2,680 licensed childcare slots (9 percent were in schools or centers). In other words, there were enough slots to serve at most 91 percent of 3-and-4 year olds. This signifies virtually no gap in supply of childcare for this age group, since some families might choose not to send

⁸ Waterbury School Readiness Council (2015). Early Childhood Preschool Experience Questionnaire Report.

their children to preschool – estimated at around 10 percent by the Waterbury School Readiness Council survey.⁹ However, a highly disproportionate share of preschool slots is located in Waterbury’s downtown, compared to the number of children who live there. Consequently, many neighborhoods outside of the center of town have many more preschoolers living there than childcare slots to serve them.

There is very poor availability and accessibility of slots for infants and toddlers in Waterbury. In 2016, there is a drastic shortage in licensed childcare slots for infants and toddlers in Waterbury (800 slots), compared to the estimated number of 0-to-2 year olds who live in the city (3,600 infants and toddlers). Overall, there were enough slots to serve at most 18 percent of all infants and toddlers living in the city. Further, the geographic distribution of infant-toddler slots indicates that many families may have difficulty accessing the childcare slots that do exist. Nearly every part of the city except for Waterbury’s downtown and a handful of other neighborhoods had many fewer childcare slots for infants and toddlers than the number of those children who lived there.

An obvious solution to improve care availability for young children would be to develop more childcare programs in Waterbury, focusing on infant-toddler care. However, this requires time and resources and may not be a feasible solution for Waterbury early childhood advocates at this time. Advocates can also focus on improving accessibility, by encouraging new centers to open in and/or to relocate programs or slots to underserved areas. Specifically, the neighborhoods of W.O.W. and Buck Hill (in North 06704); the neighborhood of Bunker Hill (in West 06708), and (in South 06706) have many the largest slot deficits compared to numbers of infants and toddlers. For preschoolers, the largest deficits in slots are in Washington Hill (06706), W.O.W. (06704), and Willow Plaza (in north-central 06710), and Town Plot (06708).

Childcare subsidies for low-income young children in Waterbury: Availability and shortages

	Young children, ages 0-4	Infant Toddlers (I/T), ages 0-2	Preschool-aged (PreK), ages 3-4
Estimated, Children in 2016, needing subsidies ¹	5,812	3,509	2,303
Subsidies and Subsidized slots	2,150	75	2,075
Free slots	606	36	570
Subsidized slots	1,544	39	1,505
Needed subsidies (gap in subsidies)	3,662	3,434	228
FEASIBLE % of children in need receiving a subsidy	37%	2%	90%

1. 2015-16 Waterbury Public Schools Kindergartners, 1st, and 2nd graders, who also live in Waterbury and who are eligible for Free or Reduced-price meals (FRPM), are used as an estimate of young children seeking childcare whose families require subsidy assistance to pay childcare fees. Read more in Methodology section.

Availability of subsidies for preschool slots in Waterbury is good, but accessibility is more challenging. There are an estimated 2,300 preschool-aged children (ages 3-4) in Waterbury, from low-income families – that, likely unable to afford a full-priced preschool slot, would require a free or subsidized slot to attend preschool. There were 2,075 licensed and subsidized or free preschool slots. Twenty-one percent of all preschool slots, or 570, were free. There were enough subsidized or free slots to serve at most 90 percent of 3-and-4 year olds from low-income families. This signifies virtually no gap in supply of childcare subsidies for this age group. However, a highly disproportionate share of preschool subsidies is located in Waterbury’s downtown, compared to the number of children who live there. Consequently, many neighborhoods outside of downtown have many more preschoolers in need living there than childcare subsidies.

Availability and accessibility of subsidies for infant/toddler slots in Waterbury is very poor: there were only 75 subsidized or free slots total, amounting to enough to serve at most just 2 percent of the estimated 3,400 infants and

⁹ Of families who filled out surveys about their Waterbury Kindergartners, 79 stated no preschool attendance because of wanting to keep the child at home, of 821 with responses, according to the Waterbury School Readiness Council Early Childhood Preschool Experience Questionnaire.

toddlers with economic need. Just 5 percent of all I/T slots, or 36, are free. The subsidized infant/toddler slots are concentrated in three neighborhoods in the city: the East End (in Central 06702), Hillside (06710), and New Pac (06704)

To improve accessibility of free or subsidized childcare slots, early childhood advocates might consider redistributing subsidized slots to underserved areas. The neighborhoods with the largest deficit in subsidies, compared to preschool-aged children from low-income households, are W.O.W. (06704), Washington Hill (06706), Brooklyn and Town Plot (06708), and Willow Plaza (06710). Adding School Readiness funds to programs in these neighborhoods, or in other close-by neighborhoods, could improve accessibility of subsidies for preschoolers. PreK subsidies could be relocated from neighborhoods where there are surpluses – East End and Piermont Point Road (in 06705) and Central Business District (06702).

The largest deficits in subsidized or free slots – compared to infant/toddlers from low-income households – are in W.O.W., Washington Hill, Brooklyn, Willow Plaza, and Hopeville (also in 06706). Redistributing existing free or subsidized I/T slots to these neighborhoods, given their very limited number, will not solve the city-wide inaccessibility issue. But the neighborhoods with the largest deficits could be prioritized for new subsidies or free I/T slots.

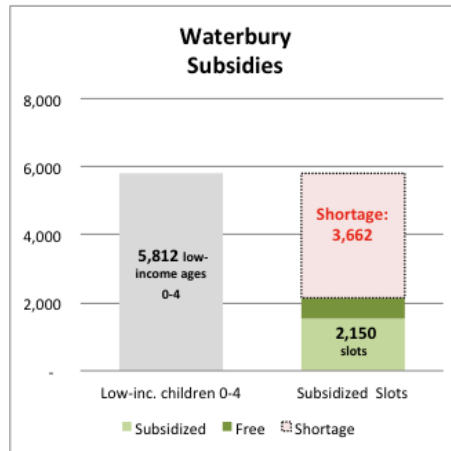
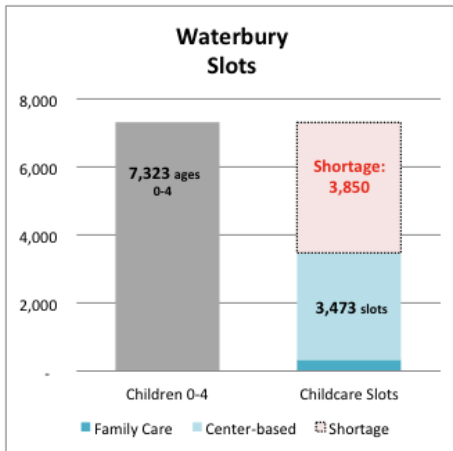
Refer to interactive maps by DataHaven showing neighborhood-level access to slots and subsidies at childcare and education programs, by age group. Find information about the maps in the Methodology section.

- Childcare and Education for All Kids, Ages 0-4 in Waterbury
 - https://datahaven.cartodb.com/viz/7426f5fa-2e4f-11e6-be1c-0e5db1731f59/public_map
- Childcare and Education for Infants/Toddlers, Ages 0-2 in Waterbury
 - https://datahaven.cartodb.com/viz/e1d5d778-30da-11e6-a7be-0ecd1babdde5/public_map
- Childcare and Education for Preschool-aged children, Ages 3-4 in Waterbury
 - https://datahaven.cartodb.com/viz/4c447ac8-30af-11e6-9f4b-0ecd1babdde5/public_map

Accessibility/Availability Summaries by Zip Code

2015-16 Childcare and Subsidy Capacity: Waterbury

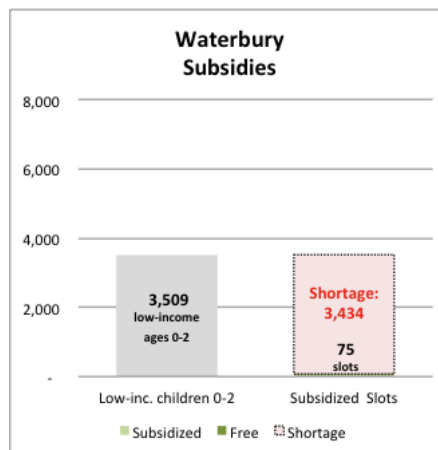
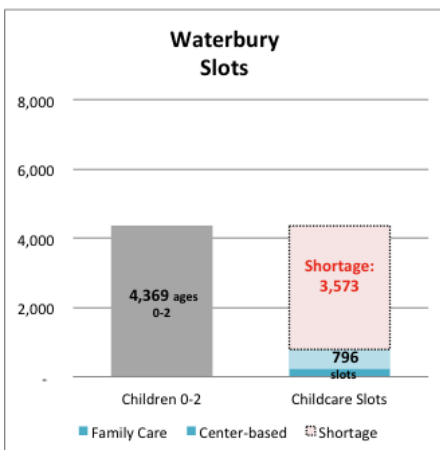
City-wide, 1/3 of childcare slots are for infants and toddlers (ages 0-2), but more than ½ of young children are I/Ts. Due to this uneven distribution, there is **an extreme shortage in childcare slots for I/Ts** and **no gap in slots for preschool-aged children** (ages 3-4). Similarly, **most subsidies are for PreK slots**, leaving an **extreme shortage in I/T subsidies**.



All Young Children

3,850 slot shortage; 47% of children served
 → Extreme Shortage in slots
 90% of slots in centers/schools

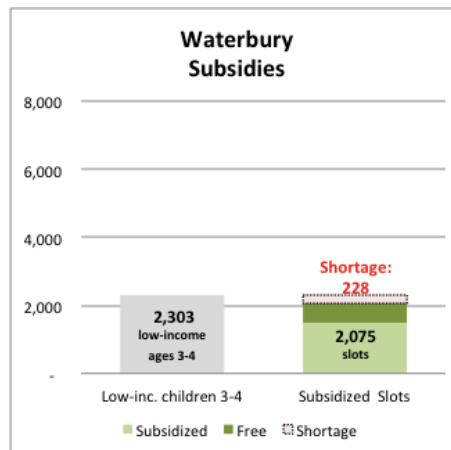
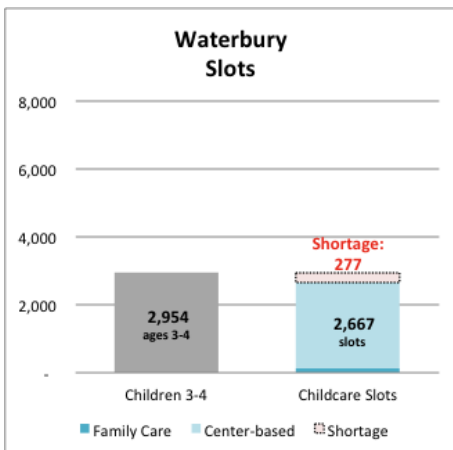
3,662 subsidy gap; 37% of low-income children served
 → Extreme Shortage in subsidies
 62% of all slots are subsidized or free
 17% of all slots are free



Infants and Toddlers

3,573 slot shortage; 18% of I/Ts served
 → Extreme Shortage in slots
 71% of slots in centers/schools

3,434 subsidy gap; 2% of low-income I/Ts served
 → Extreme Shortage in subsidies
 9% of all slots are subsidized or free
 5% of all slots are free



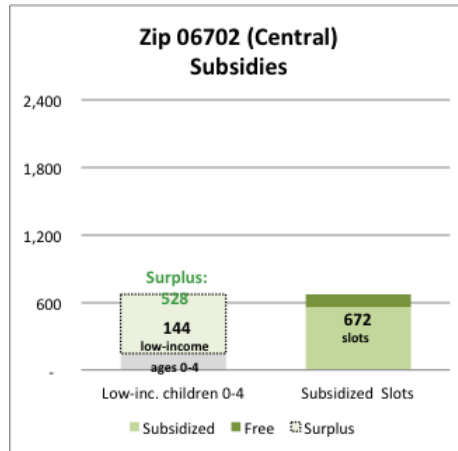
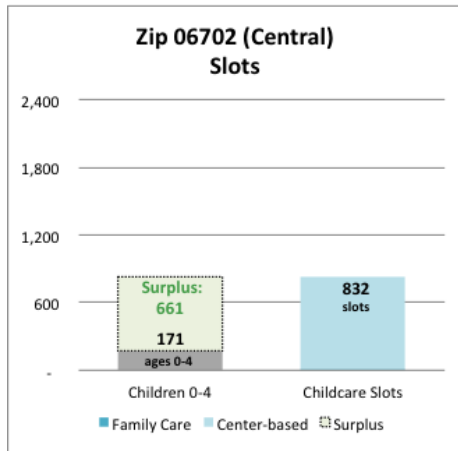
Preschool-aged Children

277 slot shortage; 91% of PreK-aged served
 → No gap in slots
 96% of slots in centers/schools

228 subsidy gap; 90% of low-income PreK-aged served
 → No Gap in subsidies
 78% of all slots are subsidized or free
 21% of all slots are free

2015-16 Childcare and Subsidy Capacity: Zip 06702 (Central)

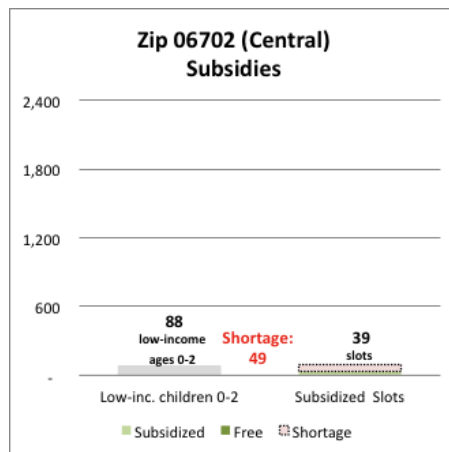
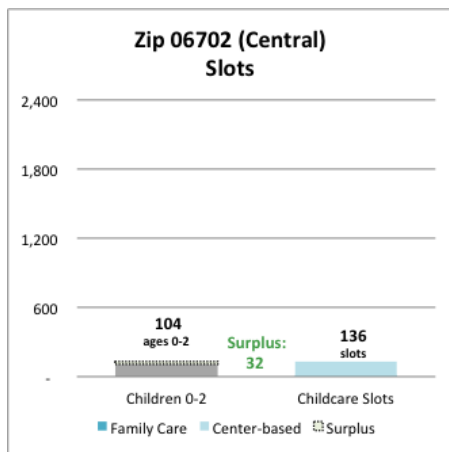
In downtown, **06702 has the 2nd most slots and the most subsidies** (mostly in centers or schools) by zip code. It also has the **fewest children** (in both age groups and low-income), resulting in **slot and subsidy surpluses** – many more slots and subsidies than children. There is a small **slot surplus for infant/toddlers** and a large **PreK slot surplus**. There is an **I/T subsidy shortage** and a large **PreK subsidy surplus**. Most buses serve 06702, which may help non-06702 residents take kids to childcare there. **Still, some 06702 slots or subsidies could be re-distributed to zips with more children.**



All Young Children

661 slot surplus; 100% of children served
 → Surplus in slots
 → 06702 is the only zip code with a slot surplus
 99% of slots in centers/schools

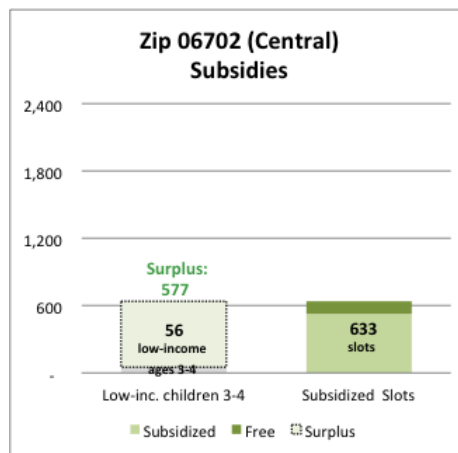
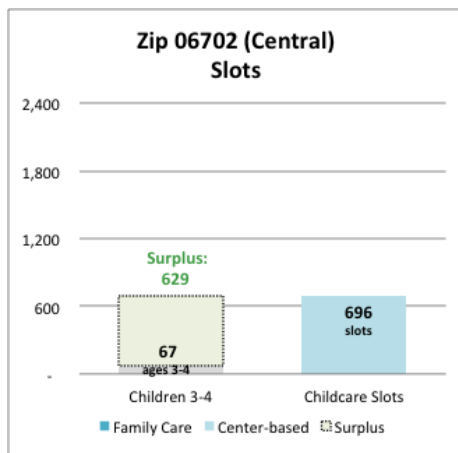
528 subsidy surplus; 100% of low-income children served
 → Surplus in subsidies
 → 06702 is the only zip with a subsidy surplus
 81% of all slots are subsidized or free
 13% of all slots are free
 → 06702 has the highest share of slots that are subsidized or free



Infants and Toddlers

32 slot surplus; 131% of I/Ts served
 → Surplus in slots
 → 06702 is the only zip code with a slot surplus for I/Ts
 97% of slots in centers/schools

49 subsidy shortage; 44% of low-income I/Ts served
 → Shortage in subsidies
 29% of all slots are subsidized or free
 0% of all slots are free
 → 06702 has the highest share of slots that are subsidized or free



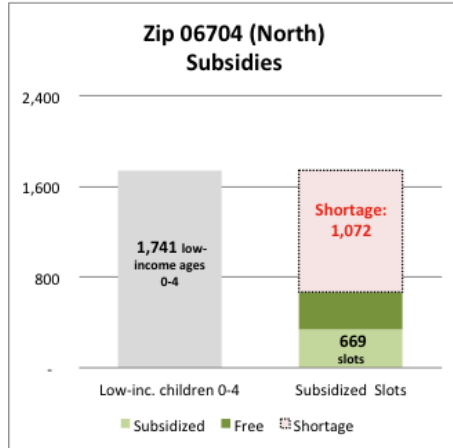
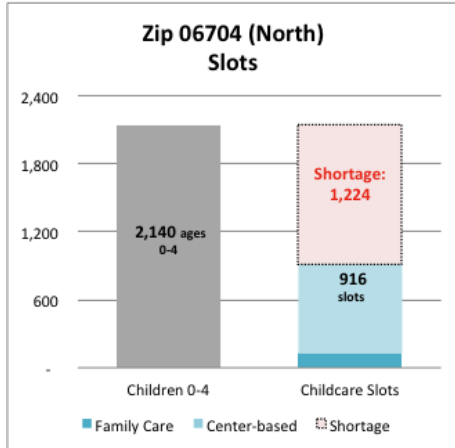
Preschool-aged Children

629 slot surplus; 100% of PreK-aged served
 → Surplus in slots
 → 06702 is the only zip code with a slot surplus for PreK-aged
 ~100% of slots in centers/schools

577 subsidy surplus; 100% of low-income PreK-aged served
 → Surplus in subsidies
 → 06702 is the only zip code with a subsidy surplus for PreK-aged
 91% of all slots are subsidized or free
 16% of all slots are free
 → 06702 has the highest share of slots that are subsidized or free

2015-16 Childcare and Subsidy Capacity: Zip 06704 (North)

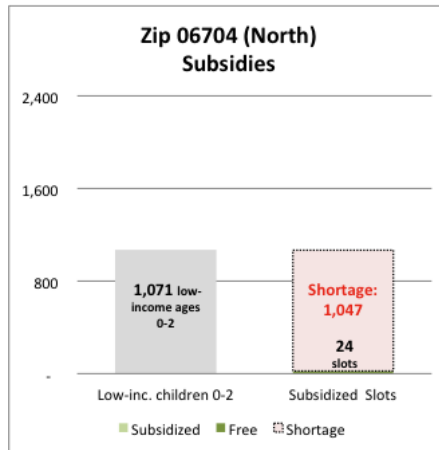
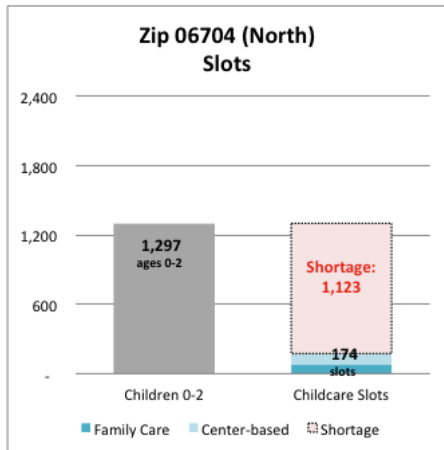
There are **extreme slot and subsidy shortages for young children overall** in 06704 – **the largest in magnitude, for both age groups**, by zip code. **For this reason, childcare slots and subsidies should be prioritized for 06704.** More infants and toddlers live in 06704, but there are many fewer slots and subsidies for I/Ts, than for PreK-aged. So, **slot and subsidy shortages are more extreme for I/Ts. PreK slot shortages exist** but there is virtually **no gap in PreK subsidies.**



All Young Children

1,224 slot shortage; 43% of children served
 → Extreme Shortage in slots
 → 06704 has the largest slot shortage by magnitude
 86% of slots in centers/schools

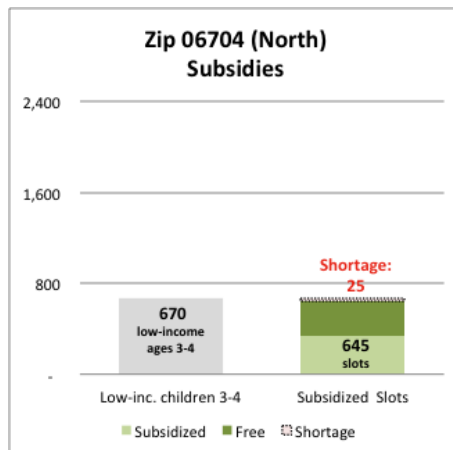
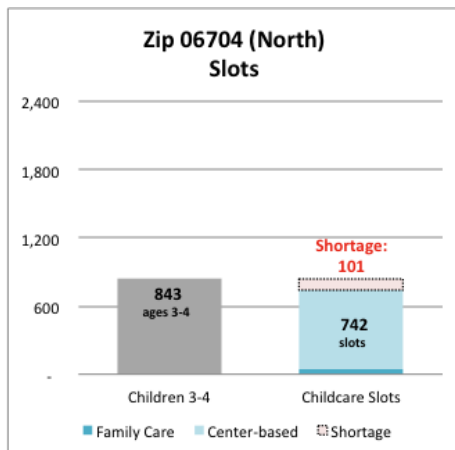
1,072 subsidy shortage; 38% of low-income children served
 → Extreme Shortage in subsidies
 → 06704 has the largest subsidy shortage by magnitude
 73% of all slots are subsidized or free
 36% of all slots are free
 → 06704 has the highest share of slots that are free (likely since Head Start is located here)



Infants and Toddlers

1,123 slot shortage; 13% of I/Ts served
 → Extreme Shortage in slots
 → 06704 has the largest slot shortage by magnitude
 52% of slots in centers/schools

1,047 subsidy shortage; 2% of low-income I/Ts served
 → Extreme Shortage in subsidies
 → 06704 has the largest slot shortage by magnitude
 14% of all slots are subsidized or free
 14% of all slots are free



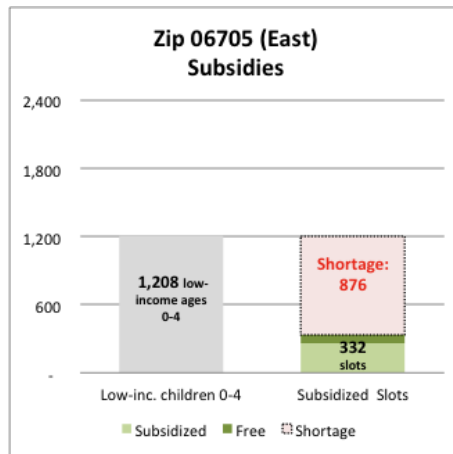
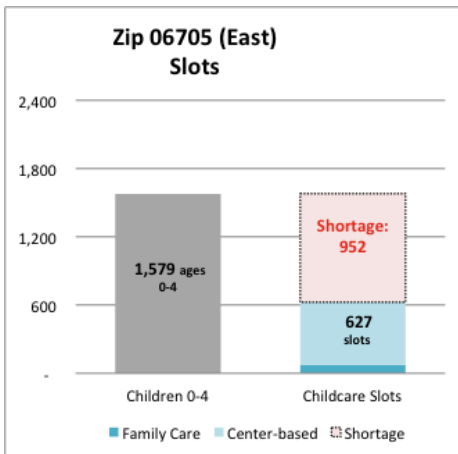
Preschool-aged Children

115 slot shortage; 86% of PreK-aged served
 → Shortage in slots
 → 06704 has the largest slot shortage by magnitude
 94% of slots in centers/schools

39 slot shortage; 94% of low-income PreK-aged served
 → No Gap in subsidies
 → 06704 has the largest slot shortage by magnitude
 87% of all slots are subsidized or free
 41% of all slots are free
 → 06704 has the highest share of slots that are free (likely since Head Start is located here)

2015-16 Childcare and Subsidy Capacity: Zip 06705 (East)

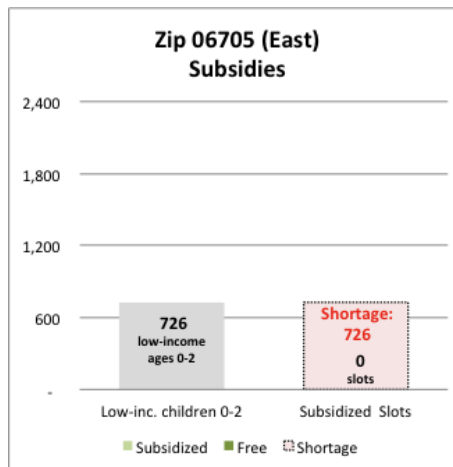
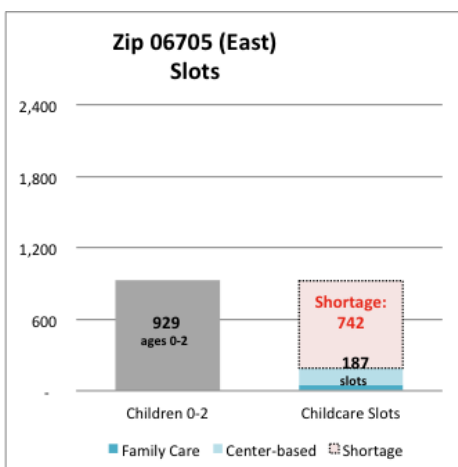
There are **extreme shortages in slots and subsidies for young children** in 06705. The **slot and subsidy shortages are more extreme for infants and toddlers**, since more I/Ts live in 06705 yet many fewer slots and subsidies are reserved for I/Ts than for preschool-aged children. In fact, there are no free or subsidized I/T slots. **Slots and subsidy shortages exist for PreK-aged** too. Buses do not serve several areas where children live; it may be hard for many families to take a bus to childcare.



All Young Children

952 slot shortage; 40% of children served
 → Extreme Shortage in slots
 88% of slots in centers/schools

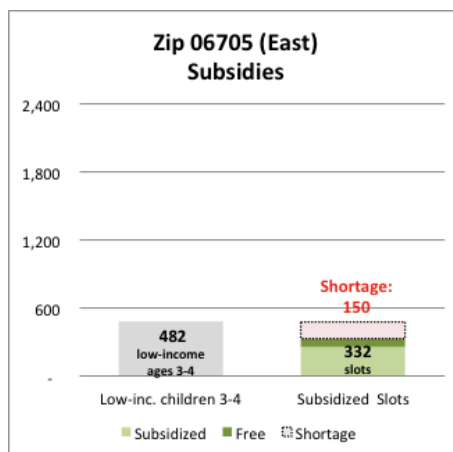
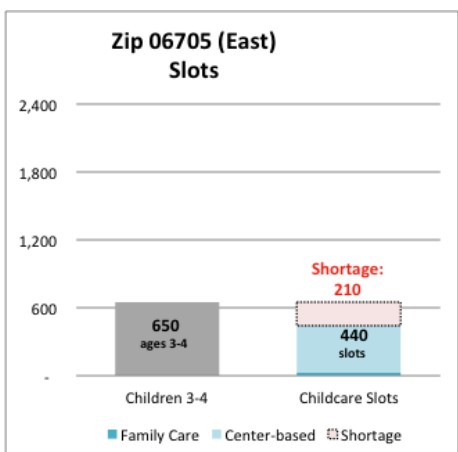
876 subsidy shortage; 27% of low-income children served
 → Extreme Shortage in subsidies
 53% of all slots are subsidized or free
 11% of all slots are free



Infants and Toddlers

742 slot shortage; 20% of I/Ts served
 → Extreme Shortage in slots
 72% of slots in centers/schools

726 subsidy shortage; 0% of low-income I/Ts served
 → Extreme Shortage in subsidies
 0% of all slots are subsidized or free
 → 06705 is one of three zip codes with no subsidized or free slots for I/Ts



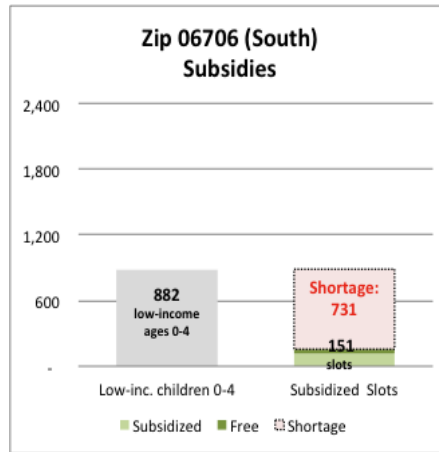
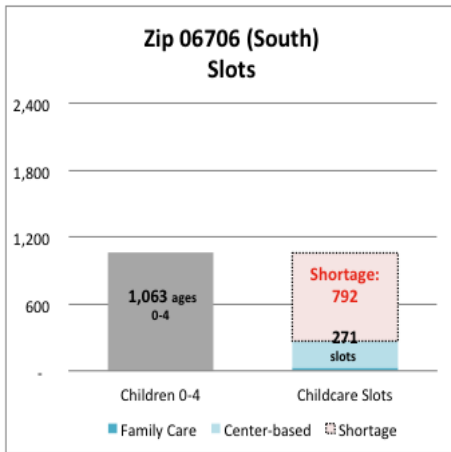
Preschool-aged Children

210 slot shortage; 68% of PreK-aged served
 → Shortage in slots
 94% of slots in centers/schools

150 slot shortage; 69% of low-income PreK-aged served
 → Shortage in subsidies
 75% of all slots are subsidized or free
 16% of all slots are free

2015-16 Childcare and Subsidy Capacity: Zip 06706 (South)

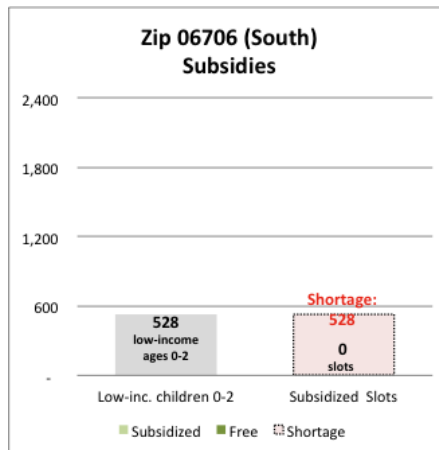
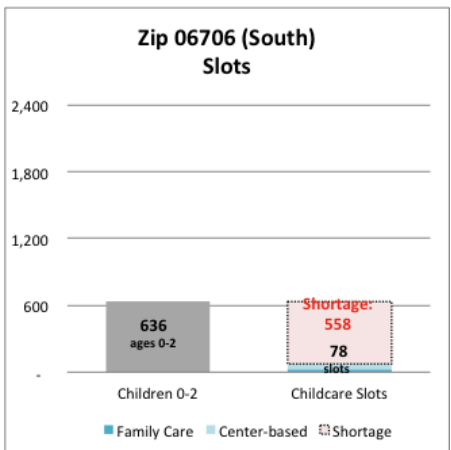
Like the city-wide trend, more infants and toddlers live in 06706, yet many fewer slots and subsidies are reserved for I/Ts than for preschool-aged children. There are **extreme shortages in slots and subsidies for young children overall** in 06706; the **slot and subsidy shortages are more extreme for I/Ts**, and as such **I/T slots should be prioritized for 06706**. There are no free or subsidized I/T slots. **Shortage of slots and subsidies exist for preschool-aged children** too. 06706 buses serve pretty well where children live; families may be able to take a bus to childcare in the downtown (06702).



All Young Children

792 slot shortage; 25% of children served
 → Extreme Shortage in slots
 88% of slots in centers/schools

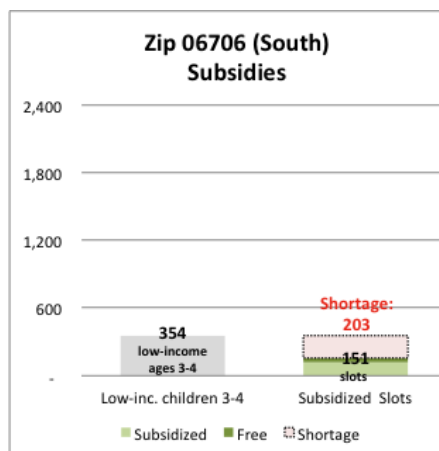
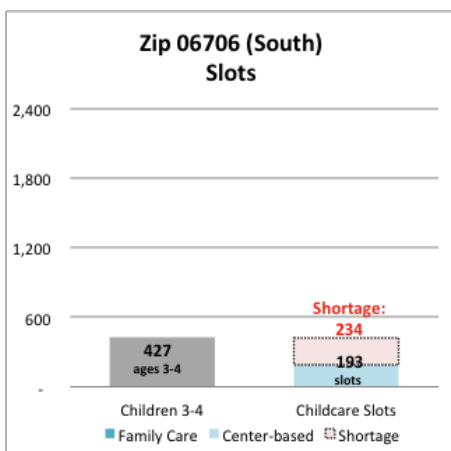
731 subsidy shortage; 17% of low-income children served
 → Extreme Shortage in subsidies
 56% of all slots are subsidized or free
 13% of all slots are free



Infants and Toddlers

636 slot shortage; 12% of I/Ts served
 → Extreme Shortage in slots
 72% of slots in centers/schools

528 subsidy shortage; 0% of low-income I/Ts served
 → Extreme Shortage in subsidies
 0% of all slots are subsidized or free
 0% of all slots are free
 → 06706 is one of three zip codes with no subsidized or free slots for I/Ts



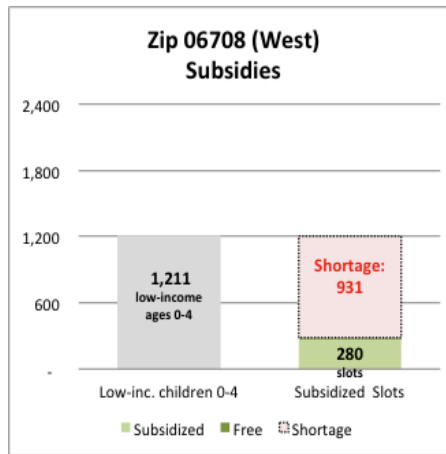
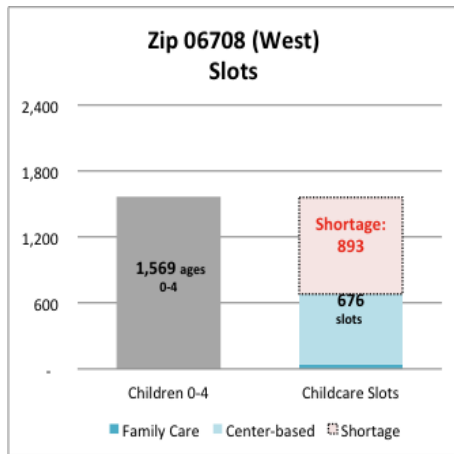
Preschool-aged Children

234 slot shortage; 45% of PreK-aged served
 → Shortage in slots
 94% of slots in centers/schools

203 slot shortage; 43% of low-income PreK-aged served
 → Shortage in subsidies
 78% of all slots are subsidized or free
 19% of all slots are free

2015-16 Childcare and Subsidy Capacity: Zip 06708 (West)

There are **extreme slot and subsidy shortages for young children** in 06708. More infants and toddlers live in 06708, yet many fewer slots and subsidies are reserved for I/Ts than for preschool-aged children. So the **slot and subsidy shortages are more extreme for I/Ts**. In fact, there are no free or subsidized I/T slots. **Shortages of slots and subsidies exist for PreK-aged** too. Bus service misses where many children live; these families may not be able to take a bus to childcare. For this reason and the high magnitude of the subsidy shortage, **subsidies should be a priority in 06708**.



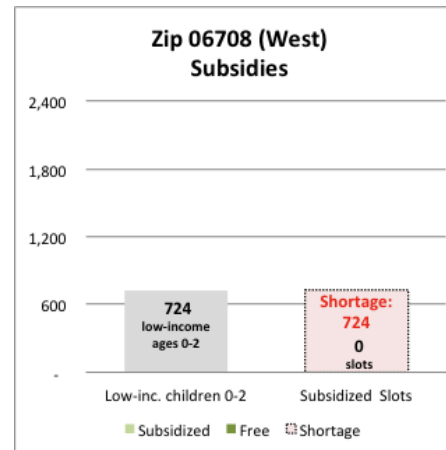
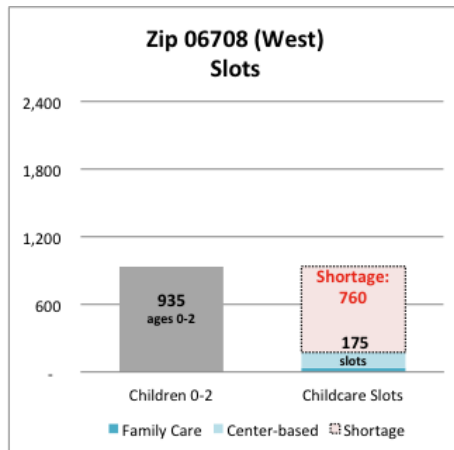
All Young Children

893 slot shortage; 43% of children served
 → Extreme Shortage in slots
 93% of slots in centers/schools

931 subsidy shortage; 23% of low-income children served

→ Extreme Shortage in subsidies
 41% of all slots are subsidized or free
 2% of all slots are free

→ 06708 has the lowest share of all slots that are free



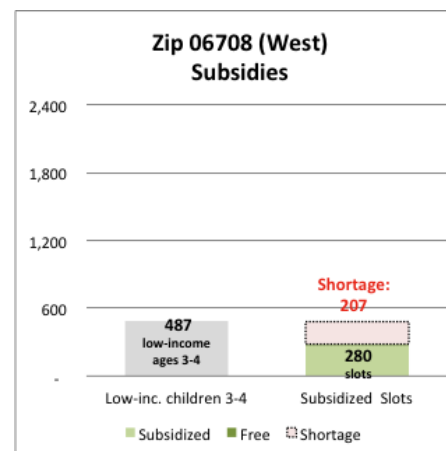
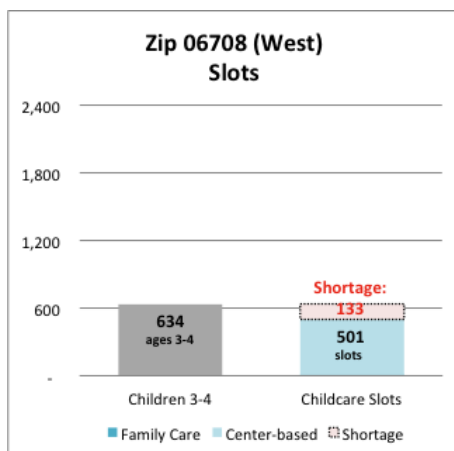
Infants and Toddlers

760 slot shortage; 19% of I/Ts served
 → Extreme Shortage in slots
 82% of slots in centers/schools

724 subsidy shortage; 0% of low-income I/Ts served

→ Extreme Shortage in subsidies
 0% of all slots are subsidized or free
 0% of all slots are free

→ 06708 is one of three zip codes with no subsidized or free slots for I/T's



Preschool-aged Children

133 slot shortage; 79% of PreK-aged served
 → Shortage in slots
 97% of slots in centers/schools

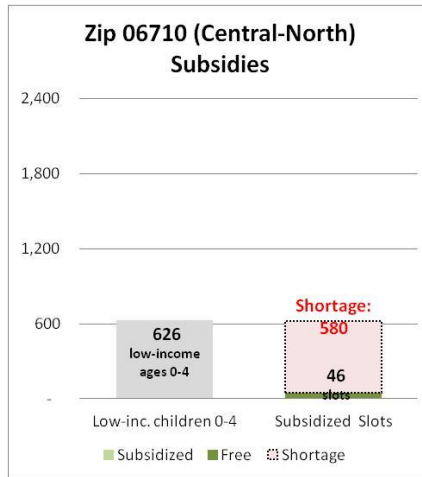
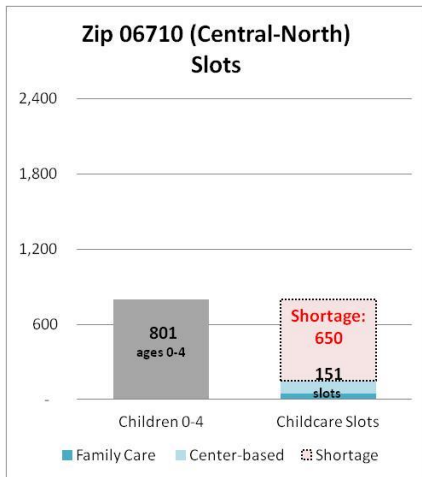
207 slot shortage; 57% of low-income PreK-aged served

→ Shortage in subsidies
 56% of all slots are subsidized or free
 3% of all slots are free

→ 06708 has the lowest share of all slots that are free

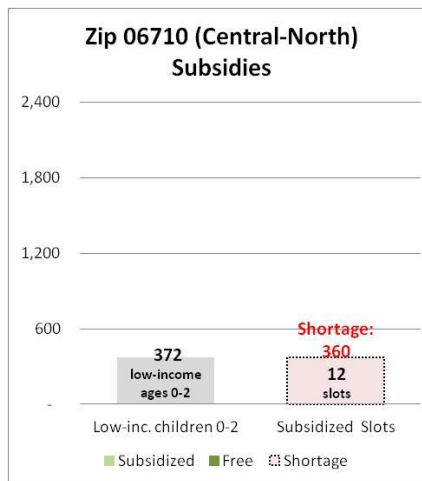
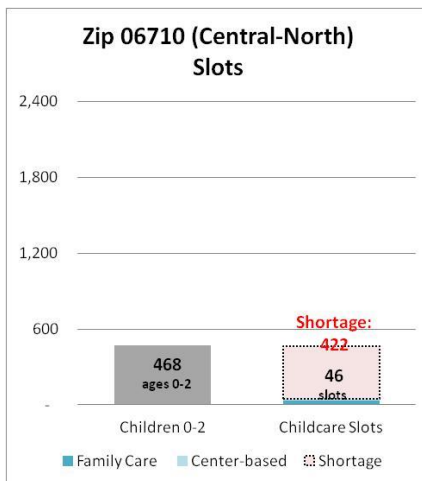
2015-16 Childcare and Subsidy Capacity: Zip 06710 (Central-North)

There are **extreme shortages in slots and subsidies for young children** in 06710 – the largest in share, for both age groups, of all six zip codes. The **slot and subsidy shortages are more extreme for I/Ts**. However, **shortages of slots and subsidies exist for preschool-aged children** as well. Here is the **largest subsidy shortage for PreK by magnitude, so subsidies could be redistributed to 06710**. Most children in 06710 live close to neighboring downtown 06702 or close to a bus that will take them to 06702, where there are surpluses in slots and subsidies.



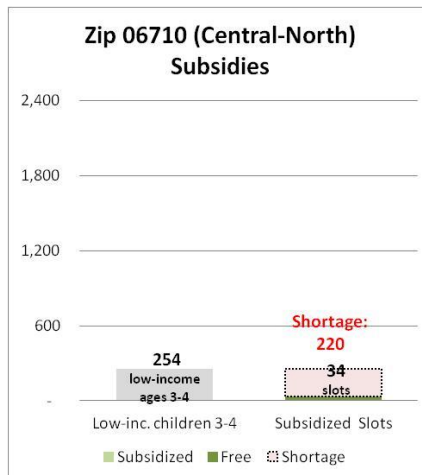
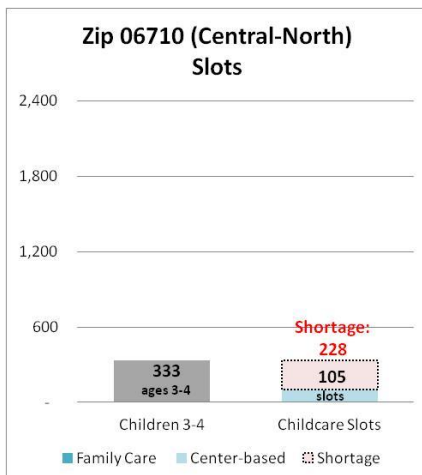
All Young Children

650 slot shortage; 19% of children served
 → Extreme Shortage in slots
 → 06710 has the lowest feasible percentage of children served in slots
 66% of slots in centers/schools
 580 subsidy shortage; 7% of low-income children served
 → Extreme Shortage in subsidies
 → 06710 has the lowest feasible percentage of children in need receiving a subsidy
 30% of all slots are subsidized or free
 30% of all slots are free



Infants and Toddlers

422 slot shortage; 10% of I/Ts served
 → Extreme Shortage in slots
 → 06710 has the lowest feasible percentage of I/Ts served in slots
 26% of slots in centers/schools
 360 subsidy shortage; 3% of low-income I/Ts served
 → Extreme Shortage in subsidies
 26% of all slots are subsidized or free
 26% of all slots are free



Preschool-aged Children

228 slot shortage; 32% of PreK-aged served
 → Shortage in slots
 → 06710 has the lowest feasible percentage of PreK-aged served in slots
 84% of slots in centers/schools
 220 slot shortage; 13% of low-income PreK-aged served
 → Shortage in subsidies
 → 06710 has the lowest feasible percentage of PreK-aged in need receiving a subsidy
 32% of all slots are subsidized or free
 32% of all slots are free

Accessibility/Availability Summary Tables by Zip Code and Neighborhood

Young Children (ages 0-4)

	Young Children and Childcare Slots						Low-income Young Children and Subsidies for childcare								
	Ages 0-4	Slots, Young Kids	Needed slots (neg. value= surplus)	FEASIBLE % of kids served in slots		% Slots kids Center-based	Ages 0-4, FPRM (low income)	Subsidies, I/T	Needed subsidies (neg. value= surplus)	FEASIBLE % of kids in need with subsidy		Slots, Kids Free	Slots, Kids Subsidized	Slots, Kids Full Price	% Slots for kids, Subsidy
Waterbury	7,323	3,473	3,850	47%	Extreme Shortage	90%	5,812	2,150	3,662	37%	Extreme Shortage	606	1,544	1,323	62%
Waterbury Zip Codes															
06702 (Central)	171	832	-661	487%	Surplus	99%	144	672	-528	467%	Surplus	108	564	160	81%
06704 (North)	2,140	916	1,224	43%	Extreme Shortage	86%	1,741	669	1,072	38%	Extreme Shortage	328	341	247	73%
06705 (East)	1,579	627	952	40%	Extreme Shortage	88%	1,208	332	876	27%	Extreme Shortage	72	260	295	53%
06706 (South)	1,063	271	792	25%	Extreme Shortage	88%	882	151	731	17%	Extreme Shortage	36	115	120	56%
06708 (West)	1,569	676	893	43%	Extreme Shortage	93%	1,211	280	931	23%	Extreme Shortage	16	264	396	41%
06710 (Central-North)	801	151	650	19%	Extreme Shortage	66%	626	46	580	7%	Extreme Shortage	46	-	105	30%
Waterbury Neighborhoods (note: due to small geographies and very small population sizes within some neighborhoods, data should be used with caution)															
Alexander Ave	90	9	81	10%	Shortage	0%	56	-	56	0%	Shortage	-	-	9	0%
Berkeley Heights	178	108	70	61%	Shortage	100%	169	103	66	61%	Shortage	90	13	5	95%
Boulevard	105	21	84	20%	Shortage	0%	76	-	76	0%	Shortage	-	-	21	0%
Bouley Manor	72	68	4	94%	No Gap	82%	62	-	62	0%	Shortage	-	-	68	0%
Brooklyn	356	31	325	9%	Extreme Shortage	90%	320	28	292	9%	Shortage	-	28	3	90%
Brooklyn 1	21	-	21	0%	Shortage	n/a	12	-	12	0%	Shortage	-	-	-	n/a
Brookside Industrial Park	122	-	122	0%	Shortage	n/a	110	-	110	0%	Shortage	-	-	-	n/a
Browns Meadows	5	71	-66	1420%	Surplus	100%	4	71	-67	1775%	Surplus	-	71	-	100%
Bucks Hill	377	294	83	78%	Shortage	88%	275	219	56	80%	Shortage	16	203	75	74%
Bunker Hill	378	241	137	64%	Shortage	91%	274	103	171	38%	Shortage	-	103	138	43%
CNVR Higher Education Center	36	56	-20	156%	Surplus	100%	2	22	-20	1100%	Surplus	-	22	34	39%
Captain Neville Industrial Park	66	-	66	0%	Shortage	n/a	43	-	43	0%	Shortage	-	-	-	n/a
Central Business District	32	314	-282	981%	Surplus	100%	56	195	-139	348%	Surplus	108	87	119	62%
Country Club	9	78	-69	867%	Surplus	100%	4	-	4	0%	Shortage	-	-	78	0%
Crownbrook	255	12	243	5%	Shortage	0%	197	-	197	0%	Shortage	-	-	12	0%
Deerfield and Sunset	127	3	124	2%	Shortage	0%	96	-	96	0%	Shortage	-	-	3	0%
East End	326	551	-225	169%	Surplus	97%	272	399	-127	147%	Surplus	-	399	152	72%
East Farms	93	3	90	3%	Shortage	0%	61	-	61	0%	Shortage	-	-	3	0%
East Mountain	94	24	70	26%	Shortage	75%	59	18	41	31%	Shortage	18	-	6	75%
Fairlawn	130	63	67	48%	Shortage	95%	96	-	96	0%	Shortage	-	-	63	0%
Fairmount	133	6	127	5%	Shortage	0%	122	-	122	0%	Shortage	-	-	6	0%

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	Young Children and Childcare Slots						Low-income Young Children and Subsidies for childcare								
	Ages 0-4	Slots, Young Kids	Needed slots (neg. value= surplus)	FEASIBLE % of kids served in slots		% Slots kids Center-based	Ages 0-4, FPRM (low income)	Subsidies, I/T	Needed subsidies (neg. value= surplus)	FEASIBLE % of kids in need with subsidy		Slots, Kids Free	Slots, Kids Subsidized	Slots, Kids Full Price	% Slots for kids, Subsidy
Hill Street	165	21	144	13%	Shortage	0%	115	-	115	0%	Shortage	-	-	21	0%
Hillside	239	260	-21	109%	No Gap	97%	209	231	-22	111%	No Gap	46	185	29	89%
Hop Brook	-	-	0	n/a	Surplus	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Hopeville	335	40	295	12%	Shortage	70%	281	28	253	10%	Shortage	-	28	12	70%
Lakewood	88	3	85	3%	Shortage	0%	68	-	68	0%	Shortage	-	-	3	0%
Maplewood Manor	29	3	26	10%	Shortage	0%	17	-	17	0%	Shortage	-	-	3	0%
Mill Plain	197	32	165	16%	Shortage	91%	160	20	140	13%	Shortage	-	20	12	63%
New Pac	270	282	-12	104%	No Gap	97%	237	273	-36	115%	No Gap	166	107	9	97%
Newton Heights	84	6	78	7%	Shortage	0%	71	-	71	0%	Shortage	-	-	6	0%
North End	81	6	75	7%	Shortage	0%	62	-	62	0%	Shortage	-	-	6	0%
Overlook	111	18	93	16%	Shortage	0%	76	-	76	0%	Shortage	-	-	18	0%
Pierpoint Road	28	216	-188	771%	Surplus	100%	20	192	-172	960%	Surplus	72	120	24	89%
Platts Mills	21	-	21	0%	Shortage	n/a	9	-	9	0%	Shortage	-	-	-	n/a
Reidville	58	6	52	10%	Shortage	0%	39	-	39	0%	Shortage	-	-	6	0%
Reidville Ind Park	-	-	0	n/a	Surplus	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Scott Road	232	6	226	3%	Shortage	0%	177	-	177	0%	Shortage	-	-	6	0%
South End	96	-	96	0%	Shortage	n/a	80	-	80	0%	Shortage	-	-	-	n/a
Town Plot	317	48	269	15%	Shortage	81%	222	-	222	0%	Shortage	-	-	48	0%
Washington Hill	545	33	512	6%	Extreme Shortage	55%	464	18	446	4%	Extreme Shortage	18	-	15	55%
Waterville	93	161	-68	173%	Surplus	93%	69	72	-3	104%	No Gap	54	18	89	45%
West End	216	76	140	35%	Shortage	92%	161	40	121	25%	Shortage	-	40	36	53%
West Side Manor	22	50	-28	227%	Surplus	100%	12	-	12	0%	Shortage	-	-	50	0%
Willow Plaza	429	51	378	12%	Extreme Shortage	71%	334	-	334	0%	Extreme Shortage	-	-	51	0%
Wolcott Road	121	160	-39	132%	Surplus	96%	99	100	-1	101%	No Gap	-	100	60	63%
Woodhaven	34	-	34	0%	Shortage	n/a	24	-	24	0%	Shortage	-	-	-	n/a
Woodtick Road	57	6	51	11%	Shortage	0%	39	-	39	0%	Shortage	-	-	6	0%
WOW	448	36	412	8%	Extreme Shortage	50%	398	18	380	5%	Extreme Shortage	18	-	18	50%

Extreme Shortage= Less than 90 percent of children served, more than 300 children not served
 Shortage= Less than 90 percent of children served, less than 300 children not served
 No Gap= Enough slots to serve between 90-120% of children
 Surplus=Enough slots to serve more than 120% of children

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Infants and toddlers (ages 0-2)

	Infants/Toddlers and Childcare Slots						Low-income Infants/Toddlers and Subsidies for childcare								
	Ages 0-2	Slots, Infant/Toddler	Gap in slots (needed slots)	FEASIBLE % of I/T served in slots		% Slots I/T Center-based	Ages 0-2, FPRM (low income)	Subsidies, I/T	GAP in subsidies (needed)	FEASIBLE % of I/T in need receiving subsidy		Slots, I/T Free	Slots, I/T Subsidized	Slots, I/T Full Price	% Slots for I/T, Subsidy
Waterbury	4,369	796	3,573	18%	Extreme Shortage	71%	3,509	75	3,434	2%	Extreme Shortage	36	39	721	9%
Waterbury Zip Codes															
06702 (Central)	104	136	-32	100%	Surplus	97%	88	39	49	44%	Shortage	-	39	97	29%
06704 (North)	1,297	174	1,123	13%	Extreme Shortage	52%	1,071	24	1,047	2%	Extreme Shortage	24	-	150	14%
06705 (East)	929	187	742	20%	Extreme Shortage	72%	726	-	726	0%	Extreme Shortage	-	-	187	0%
06706 (South)	636	78	558	12%	Extreme Shortage	72%	528	-	528	0%	Extreme Shortage	-	-	78	0%
06708 (West)	935	175	760	19%	Extreme Shortage	82%	724	-	724	0%	Extreme Shortage	-	-	175	0%
06710 (Central-North)	468	46	422	10%	Extreme Shortage	26%	372	12	360	3%	Extreme Shortage	12	-	34	26%
Waterbury Neighborhoods (note: due to small geographies and very small population sizes within some neighborhoods, data should be used with caution)															
Alexander Ave	53	6	47	11%	Shortage	0%	33	-	33	0%	Shortage	-	-	6	0%
Berkeley Heights	107	-	107	0%	Shortage	n/a	102	-	102	0%	Shortage	-	-	-	n/a
Boulevard	68	14	54	21%	Shortage	0%	51	-	51	0%	Shortage	-	-	14	0%
Bouley Manor	42	40	2	95%	No Gap	80%	36	-	36	0%	Shortage	-	-	40	0%
Brooklyn	211	2	209	1%	Shortage	0%	189	-	189	0%	Shortage	-	-	2	0%
Brooklyn 1	13	-	13	0%	Shortage	n/a	8	-	8	0%	Shortage	-	-	-	n/a
Brookside Industrial Park	75	-	75	0%	Shortage	n/a	68	-	68	0%	Shortage	-	-	-	n/a
Browns Meadows	3	-	3	0%	Shortage	n/a	2	-	2	0%	Shortage	-	-	-	n/a
Bucks Hill	229	58	171	25%	Shortage	59%	168	-	168	0%	Shortage	-	-	58	0%
Bunker Hill	226	46	180	20%	Shortage	70%	164	-	164	0%	Shortage	-	-	46	0%
CNVR Higher Education Center	35	8	27	23%	Shortage	100%	1	-	1	0%	Shortage	-	-	8	0%
Captain Neville Industrial Park	42	-	42	0%	Shortage	n/a	27	-	27	0%	Shortage	-	-	-	n/a
Central Business District	1	72	-71	100%	Surplus	100%	33	-	33	0%	Shortage	-	-	72	0%
Country Club	5	16	-11	100%	Surplus	100%	2	-	2	0%	Shortage	-	-	16	0%
Crownbrook	152	8	144	5%	Shortage	0%	121	-	121	0%	Shortage	-	-	8	0%
Deerfield and Sunset	77	2	75	3%	Shortage	0%	61	-	61	0%	Shortage	-	-	2	0%
East End	191	128	63	67%	Shortage	91%	161	39	122	24%	Shortage	-	39	89	30%
East Farms	52	2	50	4%	Shortage	0%	36	-	36	0%	Shortage	-	-	2	0%
East Mountain	57	4	53	7%	Shortage	0%	35	-	35	0%	Shortage	-	-	4	0%
Fairlawn	80	39	41	49%	Shortage	95%	60	-	60	0%	Shortage	-	-	39	0%
Fairmount	82	4	78	5%	Shortage	0%	75	-	75	0%	Shortage	-	-	4	0%

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	Infants/Toddlers and Childcare Slots					Low-income Infants/Toddlers and Subsidies for childcare									
	Ages 0-2	Slots, Infant/Toddler	Gap in slots (needed slots)	FEASIBLE % of I/T served in slots		% Slots I/T Center-based	Ages 0-2, FPRM (low income)	Subsidies, I/T	GAP in subsidies (needed)	FEASIBLE % of I/T in need receiving subsidy		Slots, I/T Free	Slots, I/T Subsidized	Slots, I/T Full Price	% Slots for I/T, Subsidy
Hill Street	97	14	83	14%	Shortage	0%	69	-	69	0%	Shortage	-	-	14	0%
Hillside	140	18	122	13%	Shortage	67%	123	12	111	10%	Shortage	12	-	6	67%
Hop Brook	-	-	0	n/a	Surplus	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Hopeville	206	8	198	4%	Shortage	0%	171	-	171	0%	Shortage	-	-	8	0%
Lakewood	54	2	52	4%	Shortage	0%	43	-	43	0%	Shortage	-	-	2	0%
Maplewood Manor	17	2	15	12%	Shortage	0%	11	-	11	0%	Shortage	-	-	2	0%
Mill Plain	118	2	116	2%	Shortage	0%	96	-	96	0%	Shortage	-	-	2	0%
New Pac	169	30	139	18%	Shortage	80%	151	24	127	16%	Shortage	24	-	6	80%
Newton Heights	52	4	48	8%	Shortage	0%	44	-	44	0%	Shortage	-	-	4	0%
North End	49	4	45	8%	Shortage	0%	38	-	38	0%	Shortage	-	-	4	0%
Overlook	65	12	53	18%	Shortage	0%	46	-	46	0%	Shortage	-	-	12	0%
Pierpoint Road	16	24	-8	100%	Surplus	100%	11	-	11	0%	Shortage	-	-	24	0%
Platts Mills	13	-	13	0%	Shortage	n/a	6	-	6	0%	Shortage	-	-	-	n/a
Reidville	31	4	27	13%	Shortage	0%	21	-	21	0%	Shortage	-	-	4	0%
Reidville Industrial Park	-	-	0	n/a	n/a	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Scott Road	138	4	134	3%	Shortage	0%	108	-	108	0%	Shortage	-	-	4	0%
South End	56	-	56	0%	Shortage	n/a	47	-	47	0%	Shortage	-	-	-	n/a
Town Plot	185	45	140	24%	Shortage	87%	130	-	130	0%	Shortage	-	-	45	0%
Washington Hill	322	10	312	3%	Extreme Shortage	0%	277	-	277	0%	Shortage	-	-	10	0%
Waterville	56	40	16	68%	Shortage	80%	43	-	43	0%	Shortage	-	-	40	0%
West End	127	20	107	16%	Shortage	80%	96	-	96	0%	Shortage	-	-	20	0%
West Side Manor	13	32	-19	100%	Surplus	100%	7	-	7	0%	Shortage	-	-	32	0%
Willow Plaza	249	10	239	4%	Shortage	0%	197	-	197	0%	Shortage	-	-	10	0%
Wolcott Road	70	46	24	66%	Shortage	91%	59	-	59	0%	Shortage	-	-	46	0%
Woodhaven	21	-	21	0%	Shortage	n/a	16	-	16	0%	Shortage	-	-	-	n/a
Woodtick Road	34	4	30	12%	Shortage	0%	24	-	24	0%	Shortage	-	-	4	0%

Extreme Shortage= Less than 90 percent of children served, more than 300 children not served

Shortage= Less than 90 percent of children served, less than 300 children not served

No Gap= Enough slots to serve between 90-120% of children

Surplus=Enough slots to serve more than 120% of children

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Preschool-aged children (ages 3-4)

	PreK-aged Children and Childcare Slots					Low-income PreK-aged Children and Subsidies for childcare									
	Ages 3-4	Slots, PreK-aged	Gap in slots (needed slots)	FEASIBLE % of PreK served in slots		% Slots PreK Center-based	Ages 3-4, FPRM (low income)	Subsidies, PreK	GAP in subsidies (needed)	FEASIBLE % of PreK in need receiving subsidy		Slots, PreK Free	Slots, PreK Subsidized	Slot, PreK Full Price	% Slots for PreK, Subsidy
Waterbury	2,954	2,677	277	91%	No Gap	96%	2,303	2,075	228	90%	No Gap	570	1,505	602	78%
Waterbury Zip Codes															
06702 (Central)	67	696	-629	1039%	Surplus	100%	56	633	-577	1130%	Surplus	108	525	63	91%
06704 (North)	843	742	101	88%	Shortage	94%	670	645	25	96%	No Gap	304	341	97	87%
06705 (East)	650	440	210	68%	Shortage	94%	482	332	150	69%	Shortage	72	260	108	75%
06706 (South)	427	193	234	45%	Shortage	94%	354	151	203	43%	Shortage	36	115	42	78%
06708 (West)	634	501	133	79%	Shortage	97%	487	280	207	57%	Shortage	16	264	221	56%
06710 (Central-North)	333	105	228	32%	Shortage	84%	254	34	220	13%	Shortage	34	-	71	32%
Waterbury Neighborhoods (note: due to small geographies and very small population sizes within some neighborhoods, data should be used with caution)															
Alexander Ave	37	3	34	8%	Shortage	0%	23	-	23	0%	Shortage	-	-	3	0%
Berkeley Heights	71	108	-37	152%	Surplus	100%	67	103	-36	154%	Surplus	90	13	5	95%
Boulevard	37	7	30	19%	Shortage	0%	25	-	25	0%	Shortage	-	-	7	0%
Bouley Manor	30	28	2	93%	No Gap	86%	26	-	26	0%	Shortage	-	-	28	0%
Brooklyn	145	29	116	20%	Shortage	97%	131	28	103	21%	Shortage	-	28	1	97%
Brooklyn 1	8	-	8	0%	Shortage	n/a	4	-	4	0%	Shortage	-	-	-	n/a
Brookside Industrial Park	47	-	47	0%	Shortage	n/a	42	-	42	0%	Shortage	-	-	-	n/a
Browns Meadows	2	71	-69	3550%	Surplus	100%	2	71	-69	3550%	Surplus	-	71	-	100%
Bucks Hill	148	236	-88	159%	Surplus	95%	107	219	-112	205%	Surplus	16	203	17	93%
Bunker Hill	152	195	-43	128%	Surplus	96%	110	103	7	94%	No Gap	-	103	92	53%
CNVR Higher Education Center	1	48	-47	4800%	Surplus	100%	1	22	-21	2200%	Surplus	-	22	26	46%
Captain Neville Industrial Park	24	-	24	0%	Shortage	n/a	16	-	16	0%	Shortage	-	-	-	n/a
Central Business District	31	242	-211	781%	Surplus	100%	23	195	-172	848%	Surplus	108	87	47	81%
Country Club	4	62	-58	1550%	Surplus	100%	2	-	2	0%	Shortage	-	-	62	0%
Crownbrook	103	4	99	4%	Shortage	0%	76	-	76	0%	Shortage	-	-	4	0%
Deerfield and Sunset	50	1	49	2%	Shortage	0%	35	-	35	0%	Shortage	-	-	1	0%
East End	135	423	-288	313%	Surplus	99%	111	360	-249	324%	Surplus	-	360	63	85%
East Farms	41	1	40	2%	Shortage	0%	25	-	25	0%	Shortage	-	-	1	0%
East Mountain	37	20	17	54%	Shortage	90%	24	18	6	75%	Shortage	18	-	2	90%

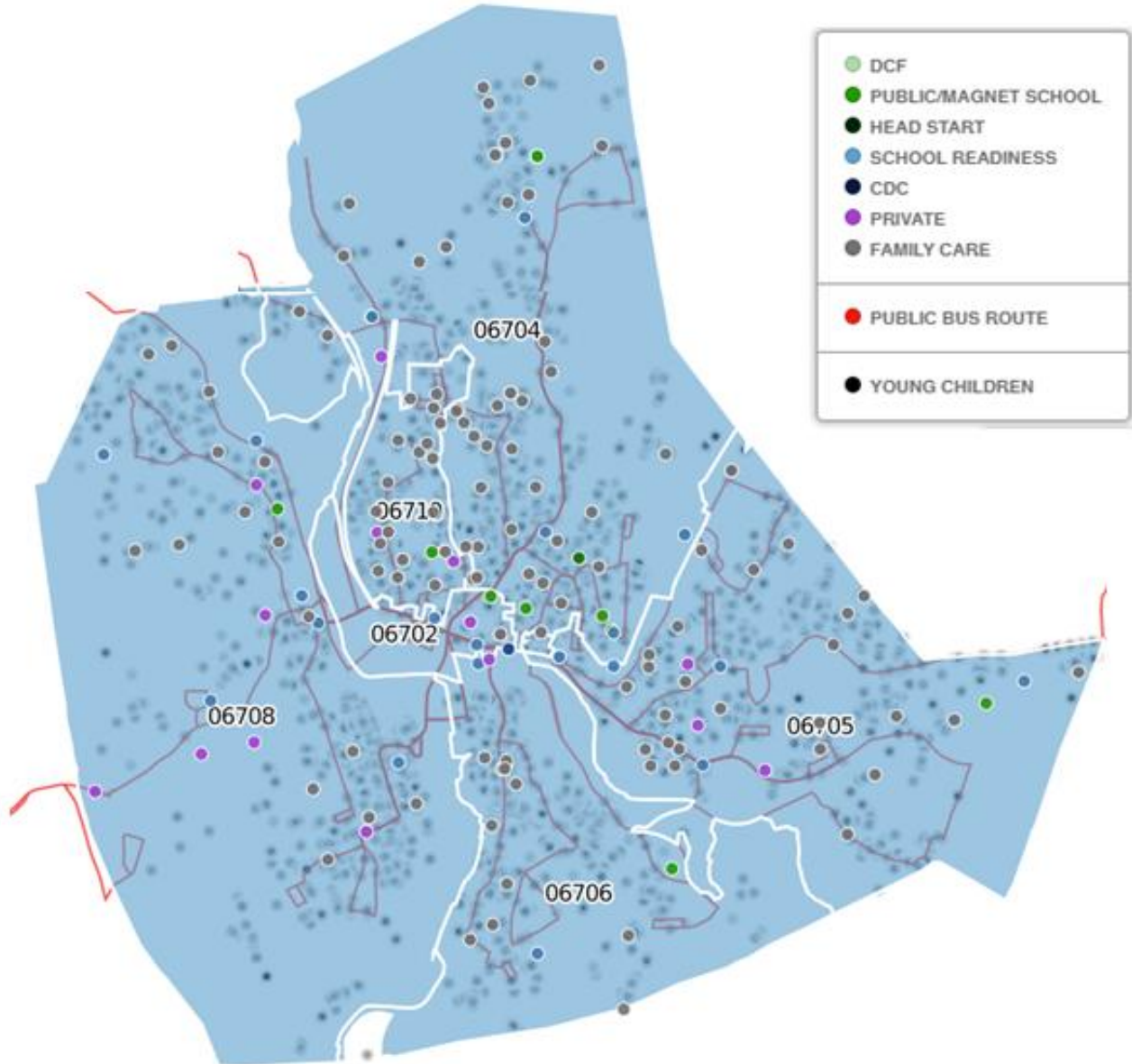
Childcare Enrollment and Accessibility in Waterbury, 2016
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	PreK-aged Children and Childcare Slots					Low-income PreK-aged Children and Subsidies for childcare									
	Ages 3-4	Slots, PreK-aged	Gap in slots (needed slots)	FEASIBLE % of PreK served in slots		% Slots PreK Center-based	Ages 3-4, FPRM (low income)	Subsidies, PreK	GAP in subsidies (needed)	FEASIBLE % of PreK in need receiving subsidy		Slots, PreK Free	Slots, PreK Subsidized	Slot, PreK Full Price	% Slots for PreK, Subsidy
Fairlawn	50	24	26	48%	Shortage	96%	36	-	36	0%	Shortage	-	-	24	0%
Fairmount	51	2	49	4%	Shortage	0%	47	-	47	0%	Shortage	-	-	2	0%
Hill Street	68	7	61	10%	Shortage	0%	46	-	46	0%	Shortage	-	-	7	0%
Hillside	99	242	-143	244%	Surplus	99%	86	219	-133	255%	Surplus	34	185	23	90%
Hop Brook	-	-	0	n/a	Surplus	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Hopeville	129	32	97	25%	Shortage	88%	110	28	82	25%	Shortage	-	28	4	88%
Lakewood	34	1	33	3%	Shortage	0%	25	-	25	0%	Shortage	-	-	1	0%
Maplewood Manor	12	1	11	8%	Shortage	0%	6	-	6	0%	Shortage	-	-	1	0%
Mill Plain	79	30	49	38%	Shortage	97%	64	20	44	31%	Shortage	-	20	10	67%
New Pac	101	252	-151	250%	Surplus	99%	86	249	-163	290%	Surplus	142	107	3	99%
Newton Heights	32	2	30	6%	Shortage	0%	27	-	27	0%	Shortage	-	-	2	0%
North End	32	2	30	6%	Shortage	0%	24	-	24	0%	Shortage	-	-	2	0%
Overlook	46	6	40	13%	Shortage	0%	30	-	30	0%	Shortage	-	-	6	0%
Pierpoint Road	12	192	-180	1600%	Surplus	100%	9	192	-183	2133%	Surplus	72	120	-	100%
Platts Mills	8	-	8	0%	Shortage	n/a	3	-	3	0%	Shortage	-	-	-	n/a
Reidville	27	2	25	7%	Shortage	0%	18	-	18	0%	Shortage	-	-	2	0%
Reidville Ind Park	-	-	0	n/a	n/a	n/a	-	-	0	n/a	n/a	-	-	-	n/a
Scott Road	94	2	92	2%	Shortage	0%	69	-	69	0%	Shortage	-	-	2	0%
South End	40	-	40	0%	Shortage	n/a	33	-	33	0%	Shortage	-	-	-	n/a
Town Plot	132	3	129	2%	Shortage	0%	92	-	92	0%	Shortage	-	-	3	0%
Washington Hill	223	23	200	10%	Shortage	78%	187	18	169	10%	Shortage	18	-	5	78%
Waterville	37	121	-84	327%	Surplus	97%	26	72	-46	277%	Surplus	54	18	49	60%
West End	89	56	33	63%	Shortage	96%	65	40	25	62%	Shortage	-	40	16	71%
West Side Manor	9	18	-9	200%	Surplus	100%	5	-	5	0%	Shortage	-	-	18	0%
Willow Plaza	180	41	139	23%	Shortage	88%	137	-	137	0%	Shortage	-	-	41	0%
Wolcott Road	51	114	-63	224%	Surplus	98%	40	100	-60	250%	Surplus	-	100	14	88%
Woodhaven	13	-	13	0%	Shortage	n/a	8	-	8	0%	Shortage	-	-	-	n/a
Woodtick Road	23	2	21	9%	Shortage	0%	15	-	15	0%	Shortage	-	-	2	0%
WOW	179	24	155	13%	Shortage	75%	157	18	139	11%	Shortage	18	-	6	75%

Extreme Shortage= Less than 90 percent of children served, more than 300 children not served
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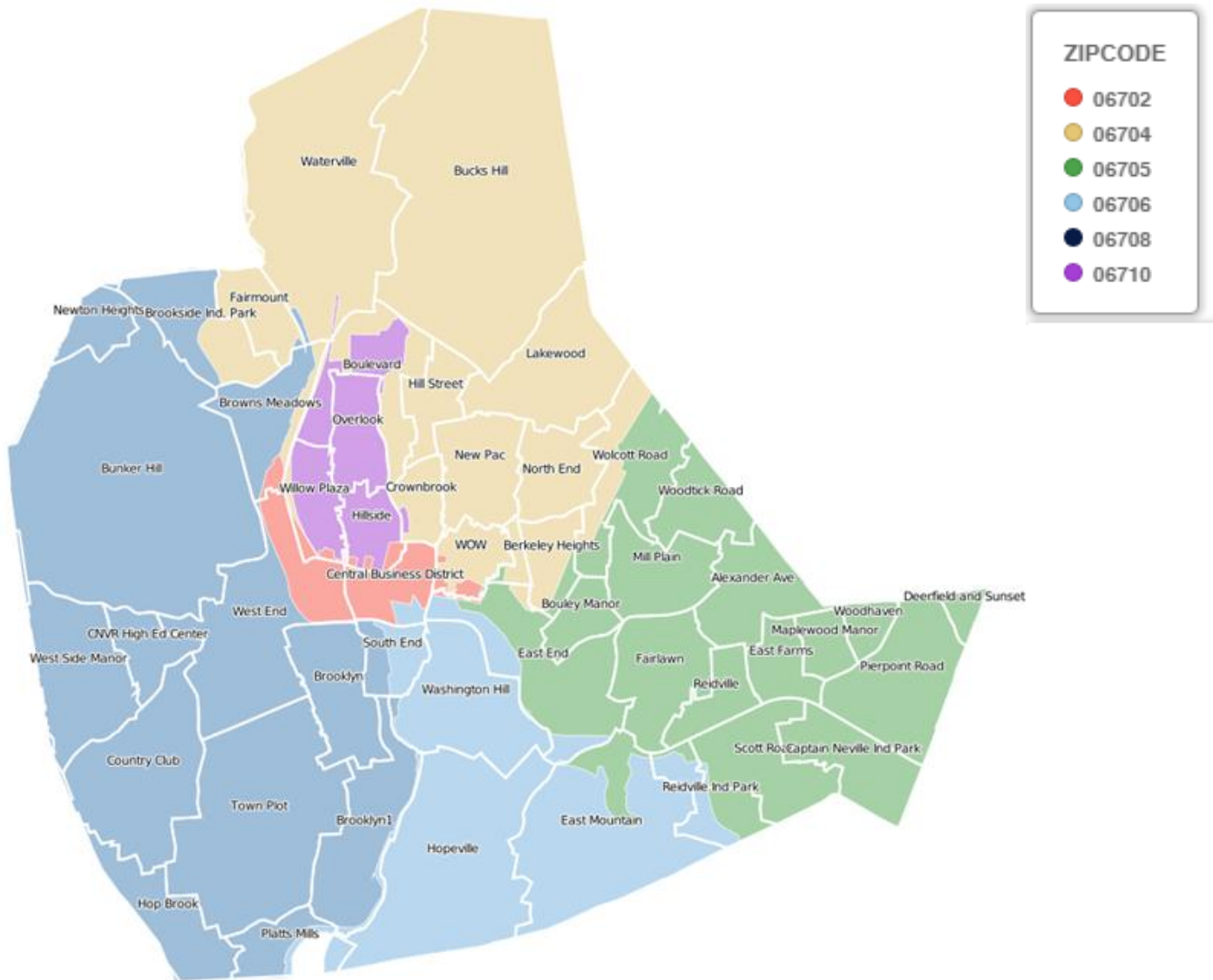
Reference Maps

Waterbury and Zip Codes, Young Children, and Public Bus Routes



Waterbury Neighborhoods by Zipcode

From the City of Waterbury, available at http://gis.waterburyct.org/GIS/Maps_Assessor.asp



Methodology

Data components

- 1) **Early Childhood programs** by capacity and characteristics
 - a. Sample: All licensed early childhood programs as of Spring 2016 – 162 total licensed program locations, 48 PreK School & Center-based Programs and 114 Family Childcare Programs
 - b. Source:
 - Childcare School & Center-based Program, by # slots by age group, funding source, day length, year length – collected by Waterbury School Readiness
 - Family Childcare options from CT Licensing Lookup
<https://www.elicense.ct.gov/Lookup/LicenseLookup.aspx>
 - c. Geography: individual, neighborhood, zip code, city-wide
 - d. Variables for Childcare programs:
 - Program Type
 1. School & Center-based: Head Start, Public School/Magnet, School Readiness, Child Development Center (CDC), Dept of Children and Families (DCF), Private
 2. Family Childcare
 - Capacity – number of slots
 - Price – Free (Head Start, Public School/Magnet, DCF), Subsidized (School Readiness, CDC), Full Price (Private)
 - Day length – Part (~4 hours), School (~6 hours), Full (8+ hours)
 - Year Length – School year (10 months), Full (12 months)
 - Transportation provided – yes or no
 - Special Education-funded slots – yes or no
 - e. Methodology notes:
 - School & Center-based versus Family Childcare:
 1. School & Center-based programs provide licensed childcare to at least 6 children in non-home settings.
 2. Family Childcare programs are licensed early childhood home care providers that care for young children in the provider’s home. It is assumed that all family childcare programs can care for 2 infant/toddlers and 1 preschool-aged child. These are based on All Our Kin estimates of the average number of children for which their family care clients provide care. It is assumed that all providers give full day, full year care. Fees, day length, and other characteristics may vary among family childcare options, in reality. Families may receive funding through individual scholarships or Care4Kids funds.
 - Private programs: School & Center-based slots that are not Head Start, Magnet/Public School programs, CDCs, run by DCF, or receiving School Readiness funds. They include community-based programs or non-funded NHPS slots. Families may receive funding through individual scholarships or Care4Kids funds.
 - Special Education: According to state and federal law, students with disabilities qualify for free education that supports their specific needs. Special Education slots are free and provided on a needs-basis. Number of available slots and slot locations may vary significantly from year to year. Special Education slots are included in the analysis of total preschool slots, but they are not included in the analysis of free preschool slots.
- 2) **Subsidies** by price for parents
 - a. Sample: All licensed programs receiving slot-based funding that reduces childcare costs for families

- b. Source: Waterbury School Readiness
- c. Geography: neighborhood, zip code, city-wide
- d. Variables for Subsidies:
 - Price – Free (Head Start, Public School/Magnet, DCF), Subsidized (School Readiness, CDC), Full Price (Private)
- e. Methodology notes:
 - This study only considers slot-based subsidies or funding when calculating the number of subsidies available and the “price” families will pay for each slot.
 - Slot-based subsidies include School Readiness and CDC slots, which are subsidized for families who qualify based on income categories (although families must also pay partial fees); Head Start and DCF slots, which are free for families who qualify based on income or other categories; and Public/Magnet school slots, which are free for families who receive slots (based on a lottery system, not family income or other characteristics).
 - Care4Kids is a state-funded program that supplies vouchers to working families who qualify based on their income. Care4Kids vouchers can be used to pay for childcare fees at licensed schools or centers, with licensed family care providers, or with unlicensed kith/kin providers. Care4Kids vouchers can be applied to school or center programs that are already subsidized, for example through School Readiness, or to programs that have no public funding (“private”).
Many Waterbury families also secure subsidies through Care4Kids. However, this study does not take into account families who may have Care4Kids subsidies when calculating the need for subsidized childcare slots.

	Eligibility Requirement	Subsidy	Included in analysis?
Head Start	Families qualify based on family income below the federal poverty guideline (Less than \$24,050 for a family of 4)	Families do not pay for program – Free.	Yes
DCF	Families qualify through Department of Children and Families	Families do not pay for program – Free.	Yes
Magnet/Public	No eligibility; any family can apply for a slot for their child and slots are granted based on a lottery system	Families do not pay for program – Free.	Yes
School Readiness	Eligibility changes; families apply and receive funding based on their need, determined by family income; at least 60% of children enrolled must be at or below 75% of State Median Income	Government funds pay for part of childcare costs; families must pay a reduced price, on a sliding scale based on income – Subsidized.	Yes
CDC	Families apply and receive funding based on their need, determined by family income	Government funds pay for part of childcare costs; families must pay a reduced price – Subsidized.	Yes
Care4Kids	Parents are working but earning below 50% of state median income (less than \$53,097 for a family of 4)	A percentage of the fees for childcare, decided at the time the voucher is awarded – Subsidized.	NO
Private	Anyone	No subsidy - Full Price.	Yes

3) Student Demographics

- a. Sample: 2015-16 Waterbury Kindergartners, 1st, and 2nd Graders who reside in Waterbury
- b. Source: Waterbury Public Schools

- c. Geography: neighborhood, zip code, and citywide
- d. Variables for student demographics:
 - Percent Free or Reduced-price Meal status (estimate for children from economically disadvantaged families, who may need subsidies to pay for childcare)
- e. Methodology:
 - Due to availability of data, DataHaven used the sample of 2015-16 Waterbury Kindergartners, 1st, and 2nd Graders who live in Waterbury as an estimate for the population of young children ages 0-4 who live in Waterbury and need childcare. DataHaven determined that the demographic differences between Waterbury young children ages 0-4 and 2015-16 Kindergartners, 1st, and 2nd Graders are not statistically different, and thus the proxy data provide valid demographic analyses for the purposes of this study.
 - The infant and toddler population (ages 0-2) is estimated as all K-2 students; the preschool-aged population (ages 3-4) is estimated as all K-1 students; Total young children are estimated as the estimated infant/toddler population plus the estimated preschool-aged population (so Kindergartners and 1st Graders are counted twice)

4) Public Bus Routes

- a. Sample: 2016 CT Transit Bus Routes in Waterbury
- b. Source: Naugatuck Valley Council of Governments
- c. Geography: citywide

Other Analyses

- 1) Needs by neighborhood/zip code/city wide
 - a. Gap in slots/needed slots: calculated as the difference in number of children and number of slots, by age group
 - b. Gap in subsidies/needed subsidies: calculated as the difference in number of children and number of slots, by age group

Notes on Map Resource

- While the Slot or Subsidy layer is turned on, users can click on neighborhood dots to pull up an information box about that neighborhood's childcare access and availability
- While the Childcare and Ed Programs layer is turned on, users can click on program dots to pull up an information box about that childcare program
- Neighborhood-level access to slots and shortages are defined as such:
 - Extreme Shortage= Less than 90 percent of children served, more than 300 children not served
 - Shortage= Less than 90 percent of children served, less than 300 children not served
 - No Gap= Enough slots to serve between 90-120% of children
 - Surplus=Enough slots to serve more than 120% of children
- Programs are color-coded according to the price that families pay for a slot at that location. In some cases, a single program has slots sponsored by different funding sources, so some slots are subsidized or free and some are full price. Programs that have any subsidized or free slots are color-coded as subsidized or free.
 - For example, St. Mary's Hospital has 33 School Readiness Slots and 55 slots that are full price. It is coded as School Readiness.
- In the Childcare and Ed Programs information box, the day's schedule is defined as: part, school, or full. In some cases, a single program location has slots with different day schedules. In these cases, the programs are labeled according to the day schedule for the majority of slots.