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CCDF Eligibility in Wisconsin, Statewide and in Substate Areas in 2018

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Today's Presentation

- Project Overview

- Estimating Eligibility and Participation Using ATTIS

- Mapping Households

- Statewide and Substate Eligibility Estimates

- Appendix Slides

Project Overview

Choosing the ACS

- Wisconsin Department of Children and Families wanted eligibility estimates for subsidized child care

- Large sample size

  - Reliable state level estimates

  - Substate estimates using multi-year data file

Child Care and Development Fund (CCDF)

- Block grant that funds child care subsidies for families with lower incomes

- Federal legislation and regulations set broad guidelines

- States, Territories, and Tribes set specific policies

- In the average month in 2018:
  - 1,321,100 children were served
  - 813,200 families were served

Source: https://www.acf.hhs.gov/occ/data/fy-2018-preliminary-data-table-1-average-monthly-adjusted-number-families-and-children

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Wisconsin Shares Child Care Subsidy Program

- Children under age 13 are eligible, or age 18 if they have special needs

- Parents can work, attend certain education or training programs, or search for a job

- Income Eligibility Limits for 2018:

Family Size	Initial Eligibility Limit	Continuing Eligibility limit
2	$2,538	$4,107
3	$3,204	$5,073
4	$3,70	$6,039
5	$4,536	$7,005
6	$5,202	$7,972

Estimating Eligibility and Participation Using ATTIS

Analysis of Transfers, Taxes, and Income Security (ATTIS)

- Microsimulation model using ACS data

- Can be used for national, state-level, or substate area analysis

- Estimates eligibility in major means-tested benefit programs

- Applies detailed policy rules at an individual and household level

- Models participation by correcting for underreporting
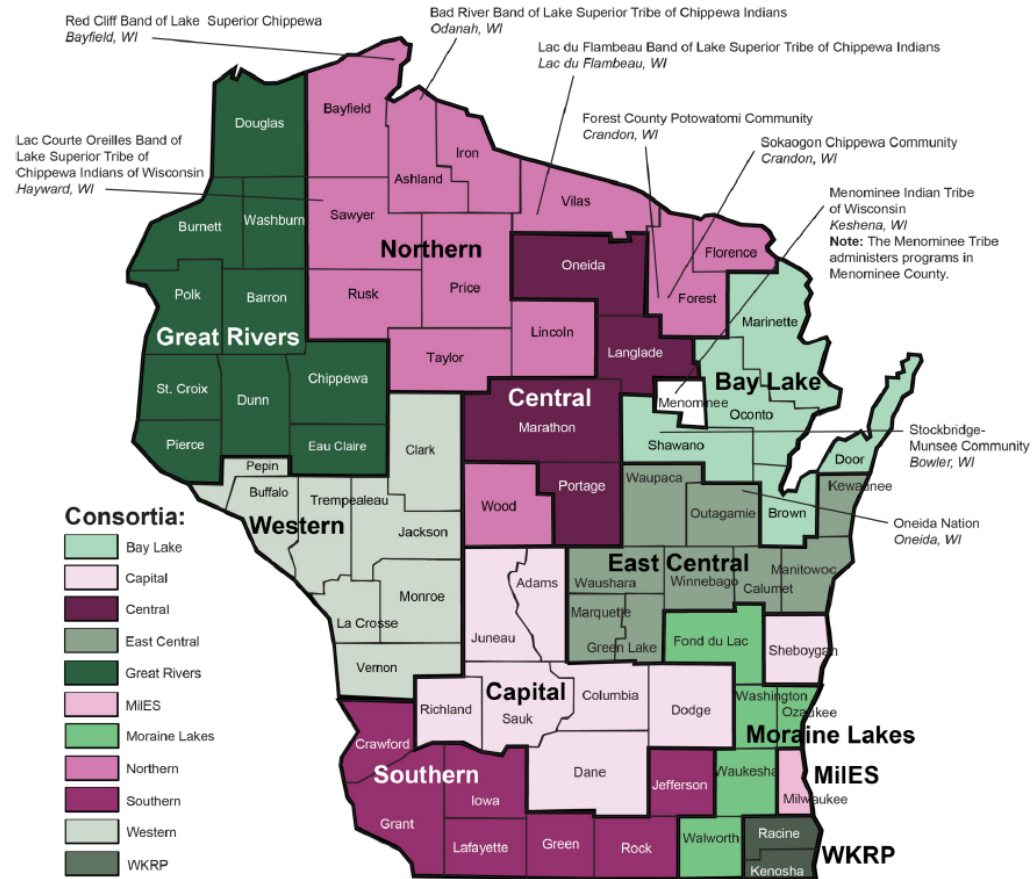
Preparing Data

- 5-year data file (2014 – 2018)

- Additional adjustments

  - Legal status of noncitizens

  - Parental status of cohabitating partners

  - Allocating weeks of work

  - Allocating other income
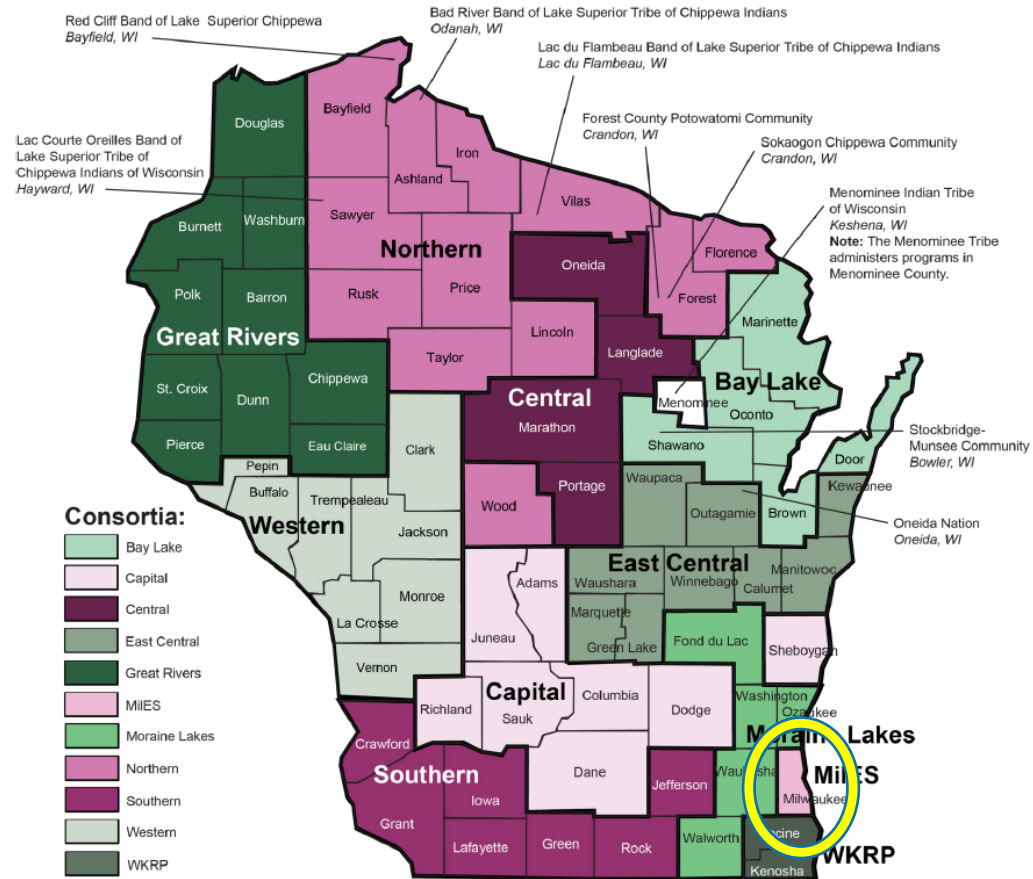
Refining Estimates

- Modeling other programs

    - Unemployment

    - SSI

    - TANF

- Modeling participation

    - Compare estimates to administrative data
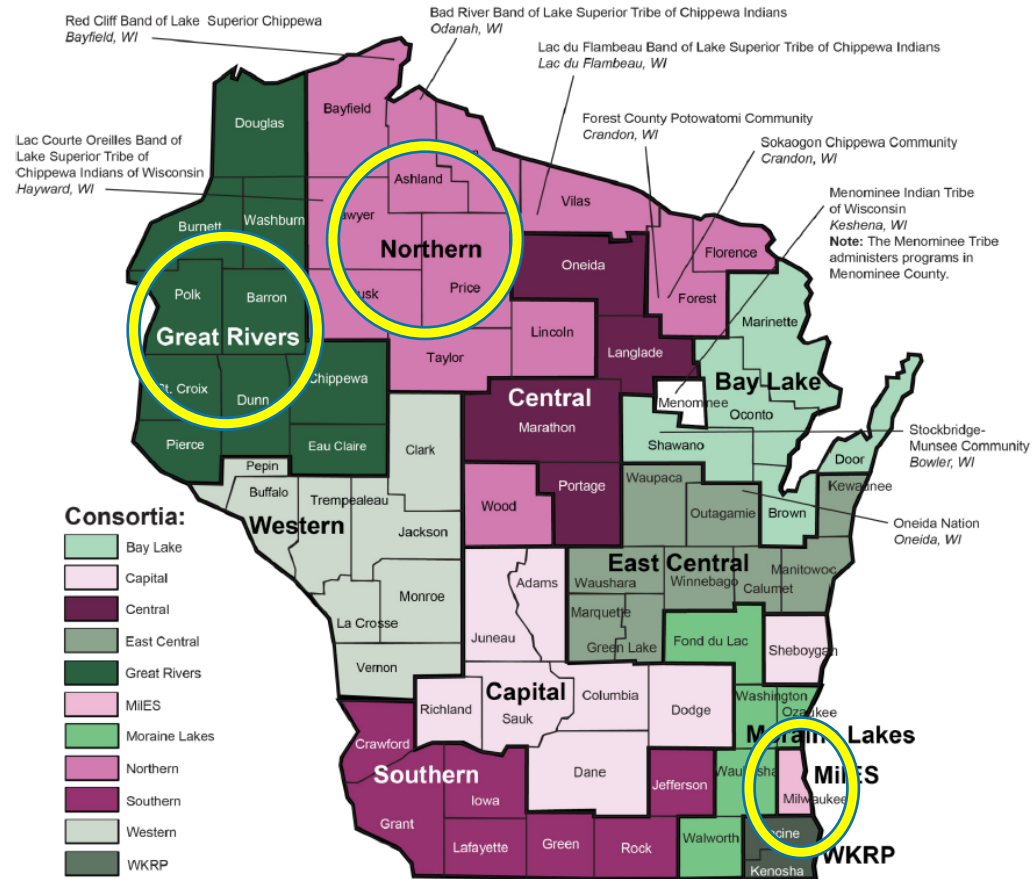
    - Account for families already participating

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Mapping Households

Map of Income Maintenance Consortiums and Tribal Agencies

Source: https://www.dhs.wisconsin.gov/forwardhealth/imagency/index.htm

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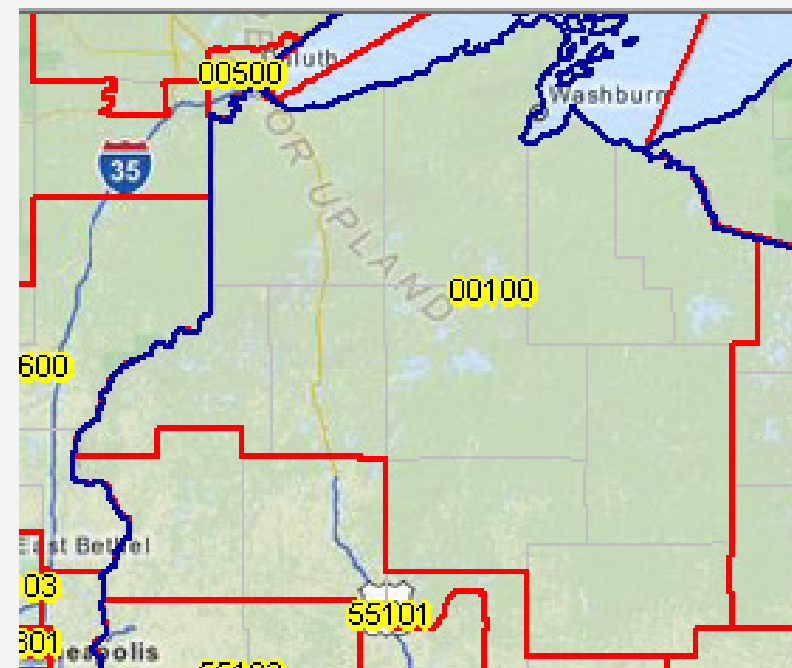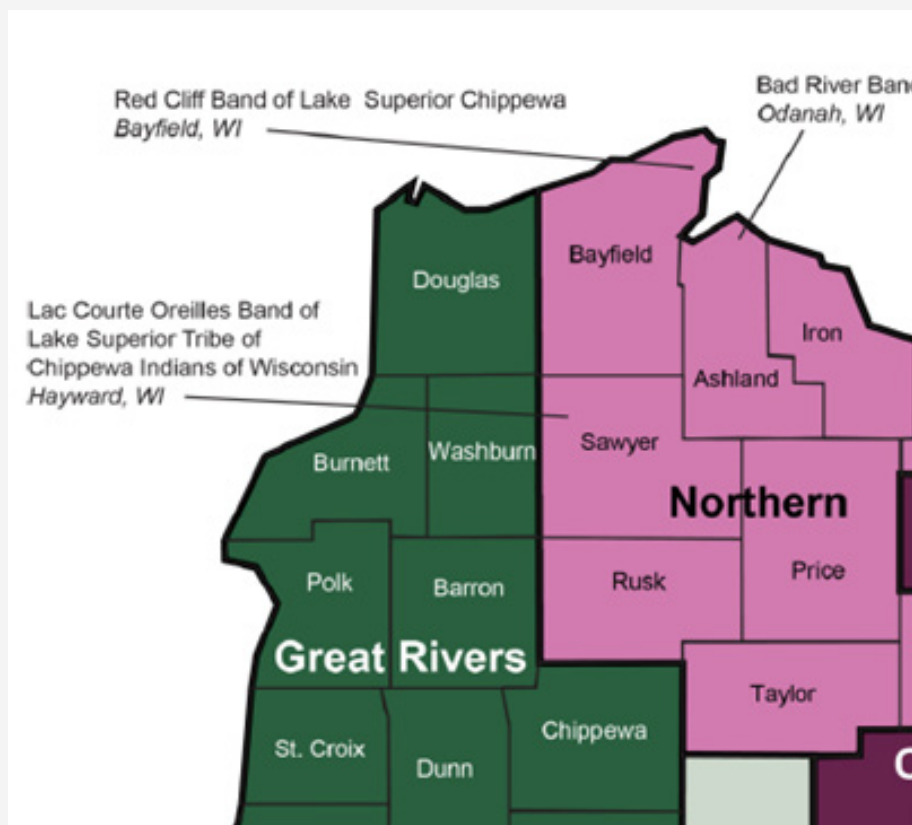
Statewide and Substate Eligibility Estimates

Eligibility for CCDF Statewide, 2014-2018

Age of Child	Average monthly number	Share of Eligible Children
0 – 2	37,000	21%
3 – 5	39,100	22%
6 – 12	96,000	55%
13 + *	3,400	2%
Total	175,500	100%

* ATTIS identifies teenagers as having special needs when the receive SSI, underestimating the size of this group

Eligibility for CCDF Statewide, 2014-2018

Income Level	Average monthly number	Share of Eligible Children
Less than 100% FPG	65,300	37%
100% - 200% FPG	107,500	61%
Greater than 200% FPG	2,600	1%
Total	175,500	100%

Eligibility for CCDF Statewide, 2014-2018

Number of Parents/Guardians	Average monthly number	Share of Eligible Children
Two	49,000	28%
One	126,500	72%
Total	175,500	100%

Eligibility for CCDF in Selected Substate Areas, 2014-2018

IM Consortium or Urban Zone	Average monthly number	Share of Eligible Children Statewide
Milwaukee	50,100	29%
WKRP Urban	15,700	9%
Capital Urban	11,800	7%
Southern Rural	900	0.5%

Eligibility for CCDF in Selected Substate Areas, 2014-2018

IM Consortium or Urban Zone	Average monthly number	Share of Eligible Children Statewide	Eligible Children as Share of Child Population
Milwaukee	50,100	29%	30%
WKRP Urban	15,700	9%	27%
Capital Urban	11,800	7%	15%
Southern Rural	900	0.5%	14%

Summary

- ATTIS is an ACS based microsimulation model maintained by the Urban Institute

- Estimate eligibility and model participation and level of benefit receipt for major means tested programs

- Using a 5-year data file and mapping PUMAs to counties helped us estimate substate eligibility in Wisconsin

- About 175,000 children and 100,000 families were eligible in the average month

Acknowledgements

Sources

Full Report : https://www.urban.org/research/publication/ccdf-eligibility-wisconsin-statewide-and-substate-areas

Data source: Ruggles, Steven, Sarah Flood, Ronald Goeken, Josiah Grover, Erin Meyer, Jose Pacas and Matthew Sobek. 2020. IPUMS USA: Version 10.0 [dataset]. Minneapolis: IPUMS. https://doi.org/10.18128/D010.V10.0.

Presenter contact information

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Appendix Slides: Standard Errors

- We compute the standard error estimates with the generalized variance function method, using design factors as specified by the Census Bureau for the Public Use Microdata Sample.

- We base our estimates on the fact that the CCDF-eligible children are a subset of all children age 12 or younger in the geographic area and that the CCDF-eligible families are a subset of all households with children age 18 or younger.

- We consider the small number of CCDF-eligible children that are older than age 12 to be negligible for the standard error estimate.

Appendix Slides: Standard Errors

TABLE 4

Children Eligible for CCDF in Wisconsin Substate Areas in the Average Month (2014–18)

	Average monthly number	Standard error	95% confidence interval lower bound	95% confidence interval upper bound
Total for Wisconsin	175,500	2,134	171,300	179,600
Selected counties [a]				
Kenosha	7,400	416	6,600	8,200
Racine	8,400	445	7,500	9,200
IM Consortia and Urban Zones [b]				
Bay Lake Rural	2,700	258	2,200	3,200
Bay Lake Semi-Rural	1,500	199	1,100	1,900
Bay Lake Urban	9,700	496	8,800	10,700
Capital Rural	1,200	179	900	1,600
Capital Semi-Rural	4,600	345	3,900	5,200
Capital Semi-Urban	4,300	343	3,700	5,000
Capital Urban	11,800	568	10,700	12,900
Central Semi-Rural	1,100	172	700	1,400
Central Semi-Urban	3,800	329	3,200	4,500
East Central Rural	1,800	213	1,400	2,200
East Central Semi-Rural	2,200	239	1,700	2,700
East Central Semi-Urban	7,200	446	6,300	8,100
East Central Urban	4,600	348	3,900	5,300
Great Rivers Rural	2,200	236	1,700	2,600
Great Rivers Semi-Rural	7,600	452	6,700	8,500
Great Rivers Semi-Urban	1,400	188	1,000	1,800
Great Rivers Urban	2,800	273	2,300	3,400
Milwaukee	50,100	1,065	48,000	52,200
Moraine Lakes Semi-Urban	9,000	499	8,000	10,000
Moraine Lakes Urban	4,400	361	3,700	5,100
Northern Rural	3,100	273	2,500	3,600
Northern Semi-Rural	1,600	203	1,200	2,000
Northern Semi-Urban	1,700	216	1,300	2,200
Southern Rural	900	161	600	1,300
Southern Semi-Rural	2,800	274	2,300	3,400
Southern Semi-Urban	1,300	193	900	1,700
Southern Urban	6,200	392	5,400	7,000
WKRP Urban	15,700	609	14,500	16,900
WREA Rural	4,000	320	3,400	4,700
WREA Semi-Rural	1,600	209	1,200	2,000
WREA Urban	2,400	258	1,900	2,900

Source: Urban Institute ATTIS model; using 2014–18 five-year American Community Survey data from the IPUMS project at the University of Minnesota (Ruggles et al. 2020).

Notes: Estimates for Wisconsin were calculated using the 2018 five-year American Community Survey file to increase the sample size and reliability of substate estimates. Eligibility estimates are rounded to the nearest 100. Estimates for the IM Consortia and Urban Zones may not add to the totals because of rounding.

[a] The two counties shown separately are also included in the IM Consortia and Urban Zones estimates.

[b] Households were mapped to an IM Consortia or Urban Zone based on their PUMA and a mapping plan developed by Urban Institute staff.

Appendix Slides: Standard Errors

TABLE 6
Families Eligible for CCDF in Wisconsin Substate Areas in the Average Month (2014–18)

	Average monthly number	Standard error	95% confidence interval lower bound	95% confidence interval upper bound
Total for Wisconsin	100,300	1,661	97,100	103,600
Selected counties[a]				
Kenosha	4,000	323	3,400	4,600
Racine	5,200	365	4,500	5,900
IM Consortia and Urban Zones[b]				
Bay Lake Rural	1,300	187	900	1,600
Bay Lake Semi-Rural	900	158	600	1,200
Bay Lake Urban	5,300	378	4,500	6,000
Capital Rural	600	132	400	900
Capital Semi-Rural	2,600	271	2,100	3,200
Capital Semi-Urban	2,900	284	2,300	3,400
Capital Urban	7,000	448	6,200	7,900
Central Semi-Rural	700	139	400	1,000
Central Semi-Urban	2,500	267	1,900	3,000
East Central Rural	1,100	170	700	1,400
East Central Semi-Rural	1,200	181	800	1,500
East Central Semi-Urban	4,100	346	3,500	4,800
East Central Urban	2,900	283	2,400	3,500
Great Rivers Rural	1,300	185	900	1,600
Great Rivers Semi-Rural	4,400	352	3,700	5,100
Great Rivers Semi-Urban	900	152	600	1,200
Great Rivers Urban	1,600	212	1,200	2,100
Milwaukee	26,400	810	24,800	27,900
Moraine Lakes Semi-Urban	5,300	389	4,500	6,000
Moraine Lakes Urban	2,900	297	2,300	3,500
Northern Rural	1,700	213	1,300	2,100
Northern Semi-Rural	900	161	600	1,200
Northern Semi-Urban	1,200	178	800	1,500
Southern Rural	500	119	300	700
Southern Semi-Rural	1,600	213	1,200	2,100
Southern Semi-Urban	800	158	500	1,200
Southern Urban	3,500	305	2,900	4,100
WKRP Urban	9,200	487	8,300	10,200
WREA Rural	2,500	258	2,000	3,000
WREA Semi-Rural	900	164	600	1,300
WREA Urban	1,600	212	1,200	2,000

Source: Urban Institute ATTIS model; using 2014–18 five-year American Community Survey data from the IPUMS project at the University of Minnesota (Ruggles et al. 2020)

Notes: Estimates for Wisconsin were calculated using the 2018 five-year ACS file to increase the sample size and reliability of substate estimates. Eligibility estimates are rounded to the nearest 100. Estimates for the IM Consortia and Urban Zones may not add to the totals due to the rounding.

[a] The two counties shown separately are also included in the IM Consortia and Urban Zones estimates.

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