Experimental 2020 Household Pulse Survey

Measuring Social and Economic Impacts of COVID-19

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US Census Bureau

Washington State Data Center Meeting

September 29, 2020

Any opinions and conclusions expressed herein are those of the author and do not represent the views of the U.S. Census Bureau. All results are from the Household Pulse Survey website that notes the following: *The U.S. Census Bureau reviewed this data product for unauthorized disclosure of confidential information and approved the disclosure avoidance practices applied to this release. CBDRB-FY20-257.*

Goals, Timeline, and Collaboration

Goal

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Since the environment and circumstances we are operating in are rapidly changing, the Household Pulse Survey design was meant to be able to quickly assess and report on critical issues, as fast as possible.

Timeline

Development: March 23–April 23, 2020
Phase 1: April 23-July 21, 2020
Phase 2: August 19-October 26, 2020

Experimental Rapid Response Survey

Proof of Concept

Partners

Phase 1
Bureau of Labor Statistics
National Center for Health Statistics
Housing and Urban Development
National Center for Education Statistics
USDA Economic Research Service
Office of Management and Budget

Phase 2 Additional Agencies:
Bureau of Transportation Statistics
Social Security Administration

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Platform and Frame

Platform: Qualtrics

- FedRAMP Moderate authorization.
- Census Bureau Authority to Operate.

Email and Text Invitations to Take an Online Survey

- National Processing Center was shut down due to COVID19.
- We could not mail an invitation.

Frames: Used Existing Email and Cell-Phone Contact Frames

Matched to Census Bureau's Master Address File (MAF) records.

Emails and phone numbers from respondent contacts and from third party vendors.

- The phone frame contains over a billion phone/address pairs.
- The phone frame contains phone/address pairs for over 88% of addresses in the country.
- Three quarters of those phones were acquired in the past two years.
- The email frame contains over 686 million well-formed email/address pairs.
- The email frame contains email/address pairs for almost 80% of addresses in the country.
- Two thirds of those emails were acquired in past two years.

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Content: Phase 1 and Phase 2

Basic demographics
Age, sex, race, Hispanic origin, marital status, educational attainment

Employment questions
Employment and employment income (BLS/Census)
Spending source of funds (BLS)
Series on expenditures (BLS)
Commuting and Telework series (BTS)
Transportation Questions (BTS)

Food security questions
Past and current food sufficiency (USDA-ERS)
Free meals (USDA-ERS)
Money spent on groceries and prepared foods (USDA-ERS)
SNAP receipt (USDA-ERS)

Program use
Social Security programs (SSA)
Unemployment Insurance (BLS)

Health questions
Overall health (NCHS)
Mental health and mental health services use (NCHS)
Health insurance (NCHS/Census)
Access and delays in health care (NCHS)

Housing questions
Tenure (HUD)
Living quarters and bedrooms (HUD)
Rent and mortgage current payment status (HUD) Confidence about paying rent/mortgage next month (HUD)
Eviction and foreclosure expectations (HUD)

Education questions
Effects of COVID on how K-12 children received education (NCES)
Access to computer/digital device and internet availability (NCES)
Time spent with teachers, spent on educational activities, and studying (NCES)
Post-Secondary questions (NCES)

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Data Collection

Phase 1

- April 23 – July 21
- Email and text invitations
- Weekly Thursday through Tuesday data collection
- Weekly data releases through interactive data tool, static tables, and public-use microdata file
- National and state-level data and 15 largest MSAs
- Longitudinal Sample

Changes for Phase 2

- August 19 – October 26
- Two-week Wednesday to Monday data collection
- Data released every two weeks via interactive data tool, static tables, and public-use microdata file
- No longitudinal sample

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Phase 1 and Phase 2 Responses

Week	Interviews	Weighted Response Rate
April 23 – May 5 : Week 1 (a+b)	74,413	3.8
May 7 – May 12 : Week 2	41,996	1.3
May 14 – May 19 : Week 3	132,961	2.3
May 21 – May 26 : Week 4	101,215	3.1
May 28 – June 2 : Week 5	105,066	3.5
June 4 – June 9 : Week 6	83,302	3.1
June 11 – June 16: Week 7	73,472	2.3
June 18 – June 23: Week 8	108,062	2.9
June 25 – June 30: Week 9	98,663	3.3
July 2 – July 7: Week 10	90,767	3.2
July 9 – July 14: Week 11	91,605	3.1
July 16 – July 21: Week 12	86,792	2.9
TOTAL (13,065,060 Sampled)	1,088,314	
August 19 – August 31: Week 13	109,051	10.3
September 2 – September 14: Week 14	110,019	10.3

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Household Pulse Survey

- Loss in Employment Income
- Expected Loss in Employment Income
- Food Scarcity
- Delayed Medical Care
- Housing Insecurity
- K-12 Educational Changes

Filter By:

State: –All–

Reset

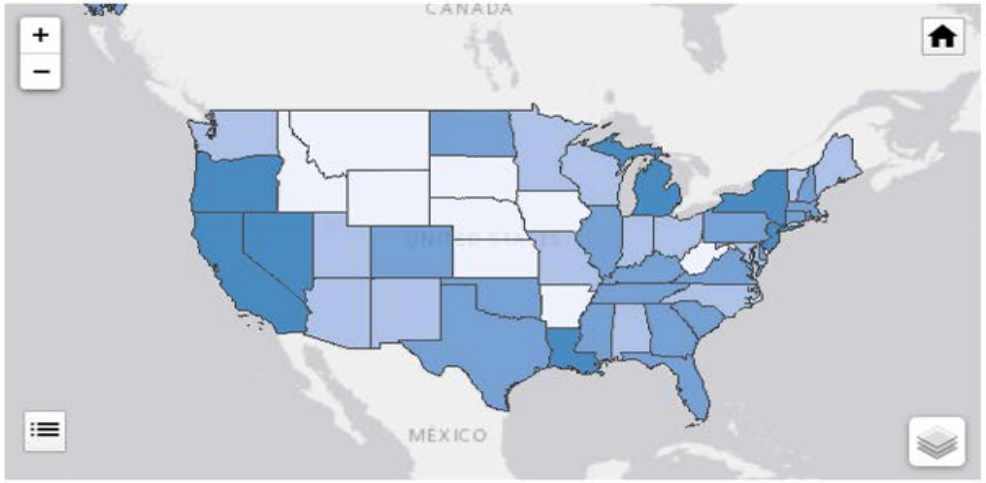
The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

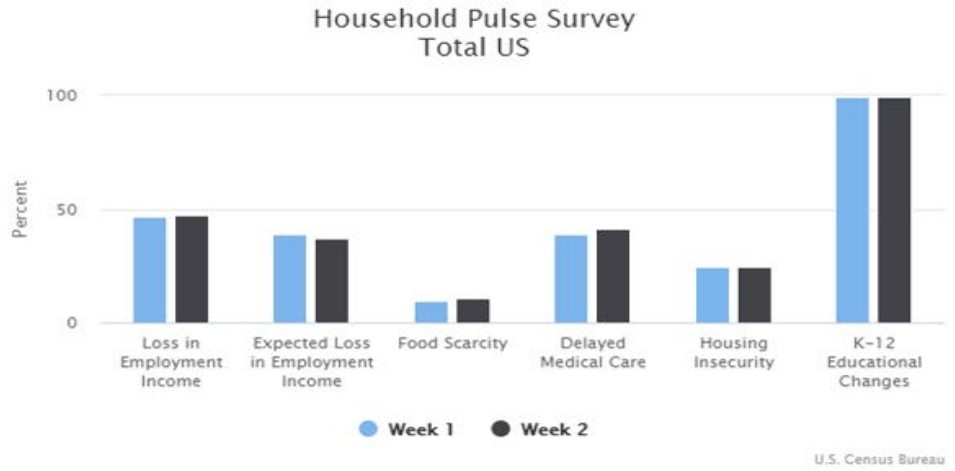
Measure Definition: Percent of adults in households where someone had a loss in employment income since March 13, 2020.

Note: Percentages are based on reporting distributions and do not include the populations that did not respond to specific items.

Loss in Employment Income

Week 2





Week	State	Total Individual Population age 18+	Total Loss in Employment Income	Loss in Employment Income Percent
2	Alabama	3,717,378	1,648,851	44.4
2	Alaska	524,925	239,409	45.6
2	Arizona	5,597,268	2,383,738	
2	Arkansas	2,246,527	866,958	
2	California	29,939,021	16,264,632	

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Telework

Food Scarcity

Housing Insecurity

Likelihood of Eviction or Foreclosure

Difficulty Paying for Usual Household Expenses

Change in Post-Secondary Education

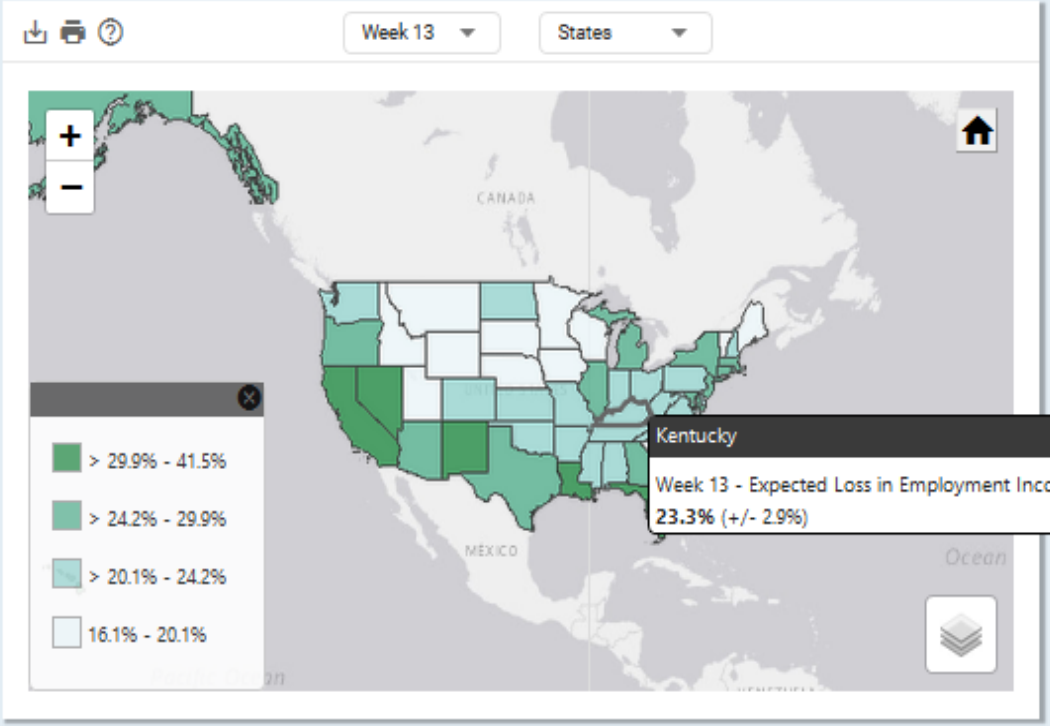
Filter By:

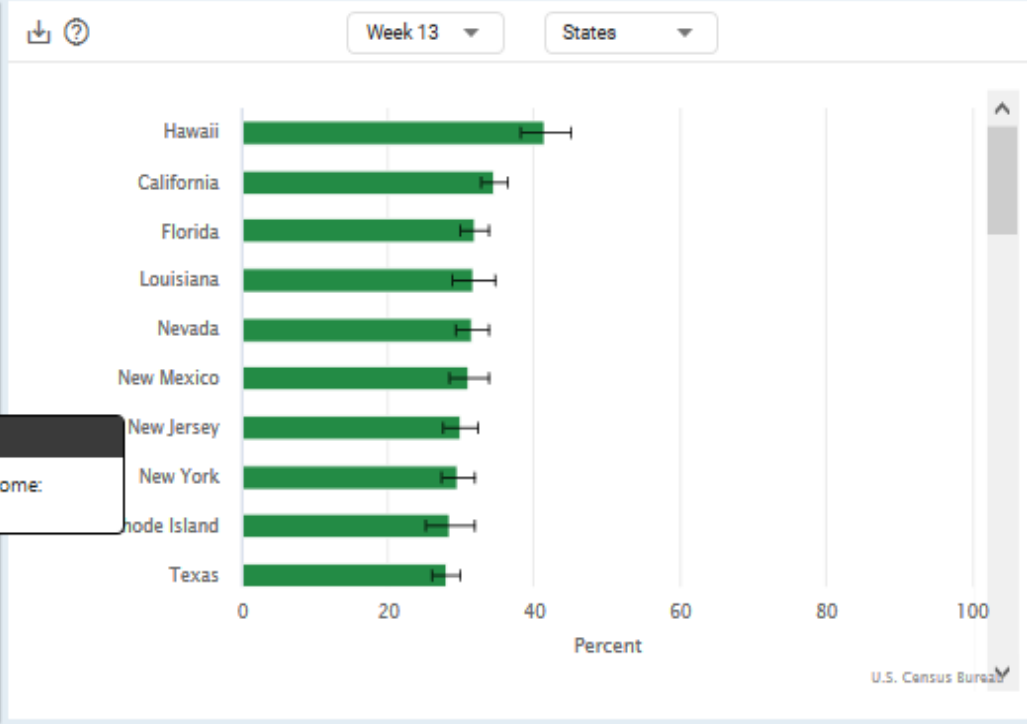
States: ---

Metro Areas: ---

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.





			Total Expected Loss in Employment Income		Expected Loss in Employment Income Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
13	United States	249,170,916	64,851,683	1,077,823	26.2	0.4
13	Alabama	3,717,378	755,831	90,798	20.5	
13	Alaska	524,925	133,884	13,011	25.6	

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Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- Housing Insecurity
- Likelihood of Eviction or Foreclosure
- Difficulty Paying for Usual Household Expenses
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults who expect someone in their household to have a loss in employment income in the next 4 weeks.

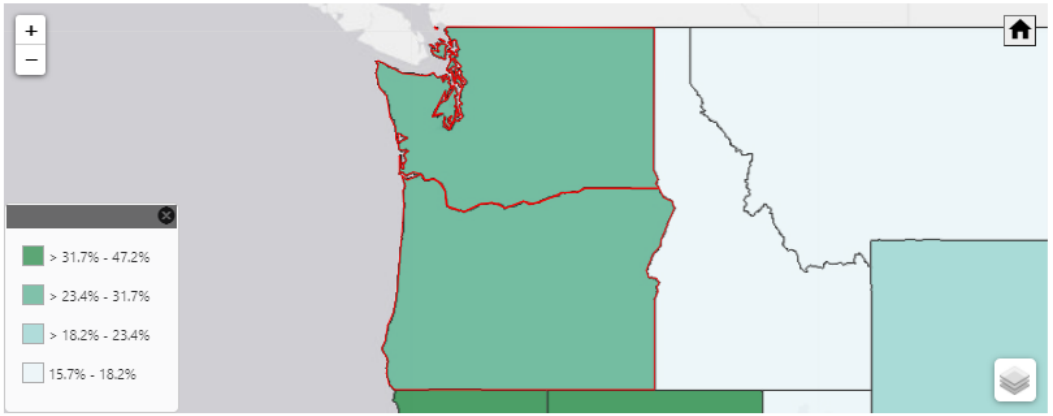
Notes:

• Percentages are based on reporting distributions and do not include the

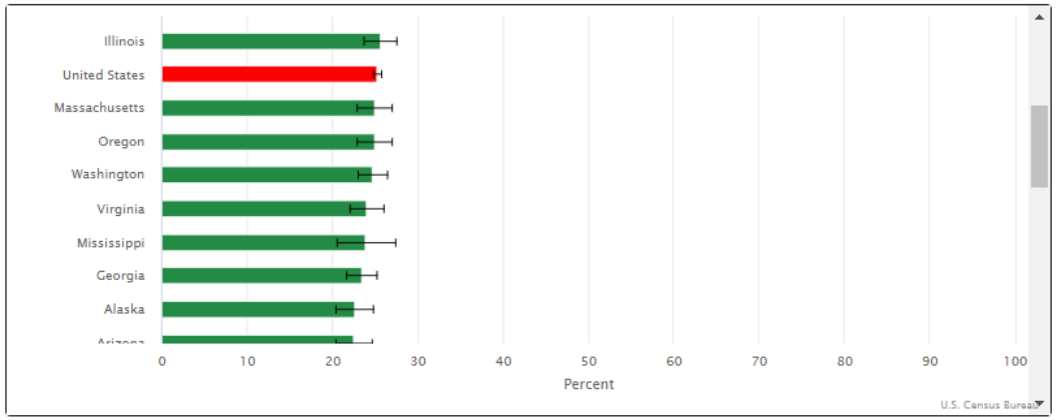
Expected Loss in Employment Income

Percentage of adults who expect someone in their household to have a loss in employment income in the next 4 weeks

Week 14 | States



Week 14 | States



			Total Expected Loss in Employment Income			
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	62,317,497	1,306,451	25.2	0.5
14	Oregon	3,302,727	817,007	68,395	24.9	2.1
14	Washington	5,890,357	1,446,664	101,568	24.7	1.7

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Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- Housing Insecurity
- Likelihood of Eviction or Foreclosure
- Difficulty Paying for Usual Household Expenses
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults living in households where at least one adult has substituted some or all of their typical in-person work for telework because of the coronavirus pandemic.

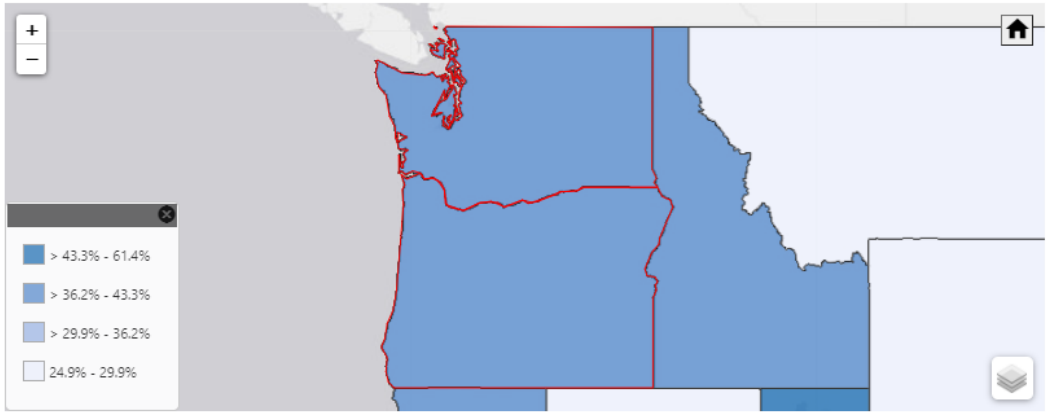
Notes:

• Percentages are based on reporting

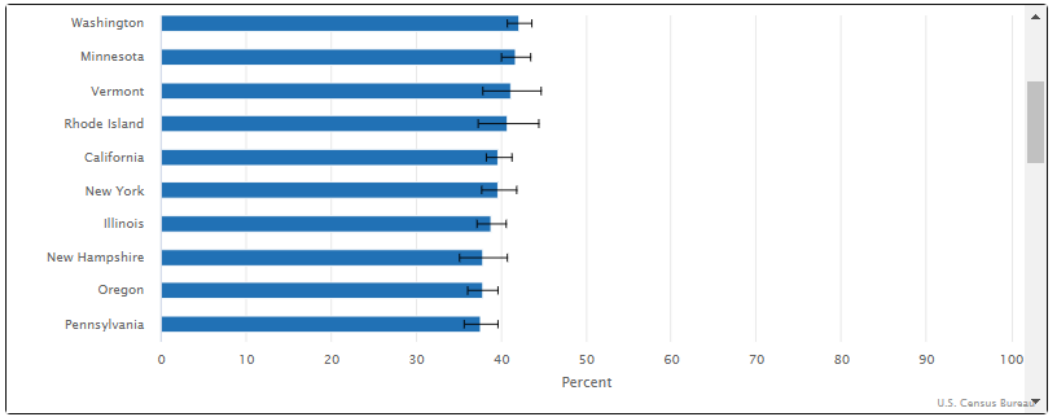
Telework

Percentage of adults living in households where at least one adult has substituted some or all of their typical in-person work for telework because of the coronavirus pandemic

Week 14 | States



Week 14 | States



		Total Telework		Telework Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	85,824,785	1,012,735	36.4	0.4
14	Oregon	3,302,727	1,195,942	57,659	37.8	1.8
14	Washington	5,890,357	2,367,754	82,315	42.1	1.4

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Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- Housing Insecurity
- Likelihood of Eviction or Foreclosure
- Difficulty Paying for Usual Household Expenses
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults in households where there was either sometimes or often not enough to eat in the last 7 days.

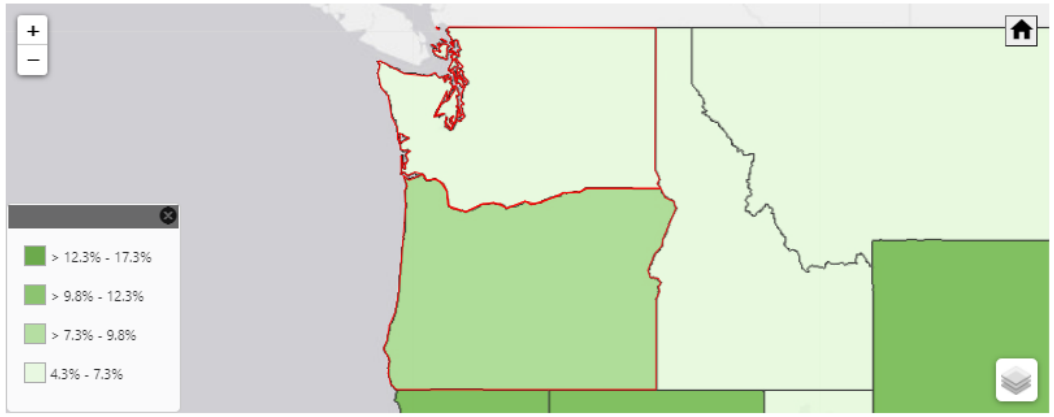
Notes:

• Percentages are based on reporting distributions and do not include the populations that did not report to

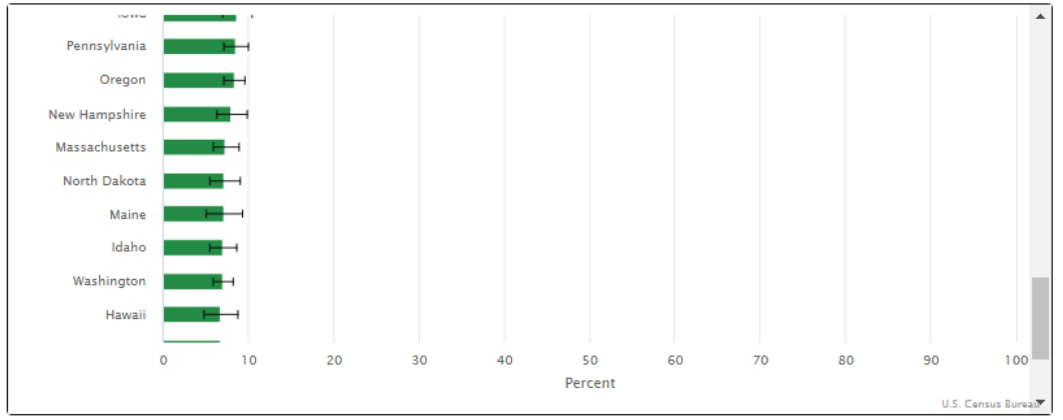
Food Scarcity

Percentage of adults in households where there was either sometimes or often not enough to eat in the last 7 days

Week 14 | States



Week 14 | States



		Total Food Scarcity			Food Scarcity Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	22,897,810	1,021,596	10.5	0.5
14	Oregon	3,302,727	249,485	39,550	8.3	1.3
14	Washington	5,890,357	370,620	63,517	7.0	1.2

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Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- **Housing Insecurity**
- Likelihood of Eviction or Foreclosure
- Difficulty Paying for Usual Household Expenses
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults who are not current on rent or mortgage payments, or who have slight or no confidence that their household can pay next month's rent or mortgage on time.

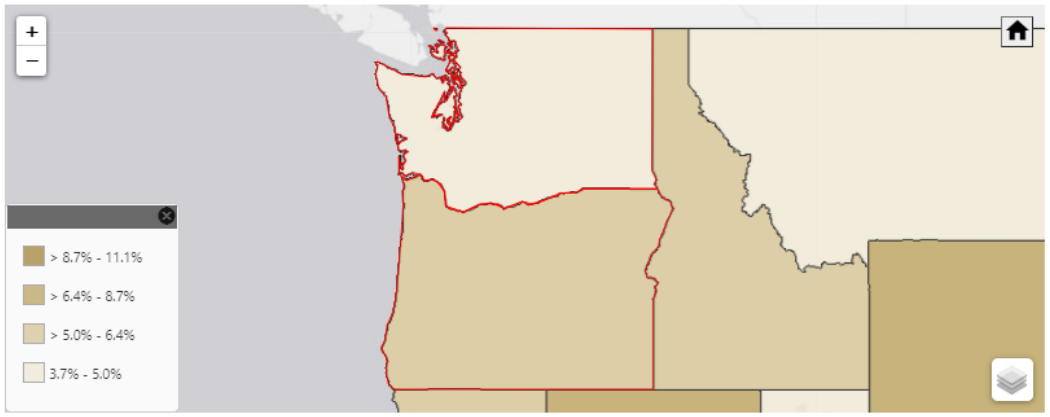
Notes:

• Percentages are based on reporting

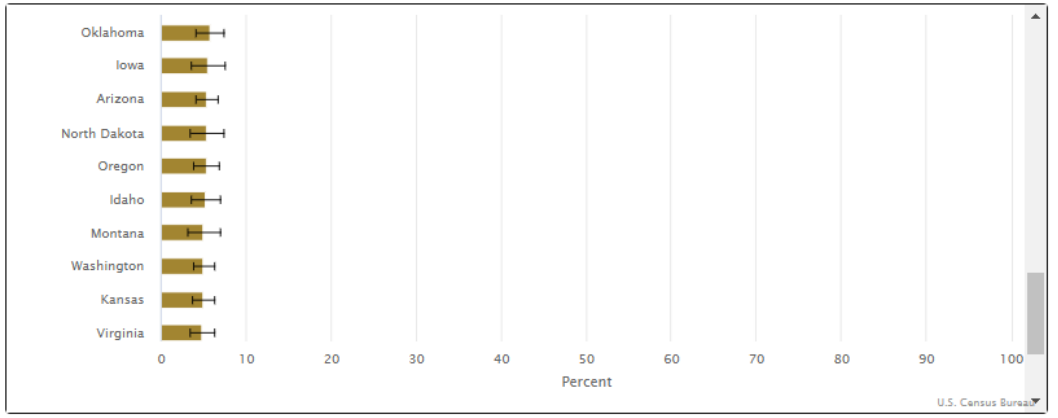
Housing Insecurity

Percentage of adults who are not current on rent or mortgage payments, or who have slight or no confidence that their household can pay next month's rent or mortgage on time

Week 14 | States



Week 14 | States



		Total Housing Insecurity			Housing Insecurity Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	10,672,074	572,299	7.3	0.4
14	Oregon	3,302,727	114,517	31,747	5.3	1.5
14	Washington	5,890,357	185,459	46,126	5.0	1.2

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// Census.gov / Our Surveys & Programs / Household Pulse Survey / Data / **Household Pulse Survey Interactive Tool**

Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- Housing Insecurity
- **Likelihood of Eviction or Foreclosure**
- Difficulty Paying for Usual Household Expenses
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults living in households where eviction or foreclosure in the next two months is either very likely or somewhat likely.

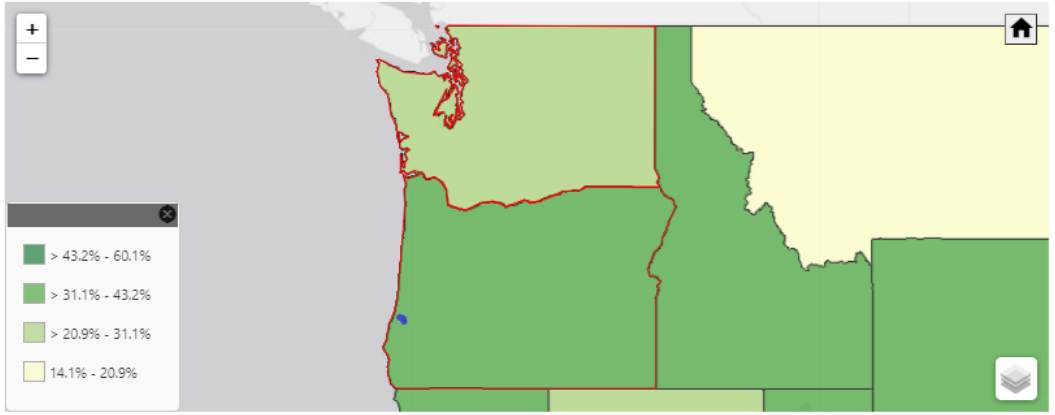
Notes:

• Percentages are based on reporting distributions and do not include the

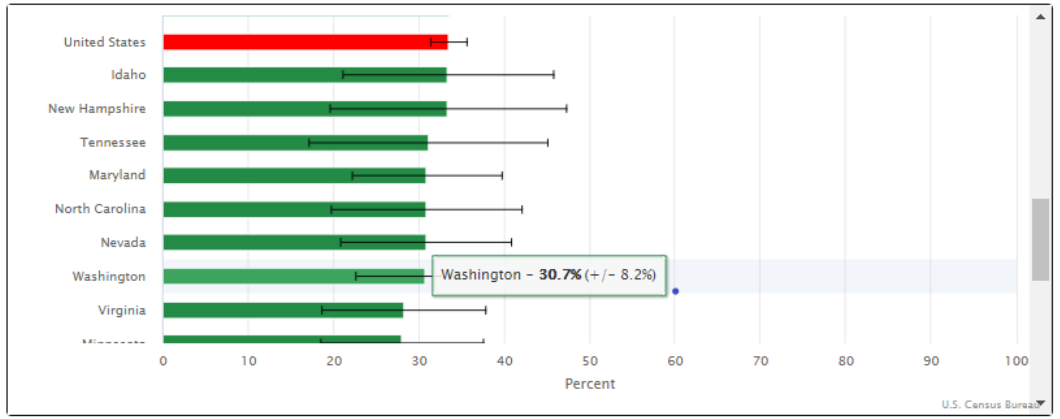
Likelihood of Eviction or Foreclosure

Percentage of adults living in households where eviction or foreclosure in the next two months is either very likely or somewhat likely

Week 14 | States



Week 14 | States



			Total Likelihood of Eviction or Foreclosure		Likelihood of Eviction or Foreclosure Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	6,107,180	497,276	33.5	2.1
14	Oregon	3,302,727	75,964	29,252	41.8	12.7
14	Washington	5,890,357	129,144	40,031	30.7	8.2

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Household Pulse Survey

- Expected Loss in Employment Income
- Telework
- Food Scarcity
- Housing Insecurity
- Likelihood of Eviction or Foreclosure
- **Difficulty Paying for Usual Household Expenses**
- Change in Post-Secondary Education

Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

Measure Definition: Percentage of adults living in households where it has been somewhat or very difficult to pay for usual household expenses during the coronavirus pandemic.

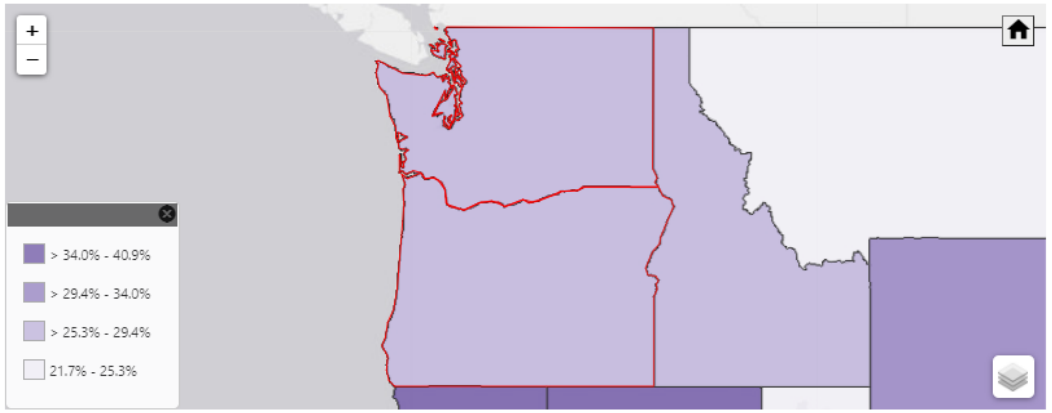
Notes:

• Percentages are based on reporting distributions and do not include the

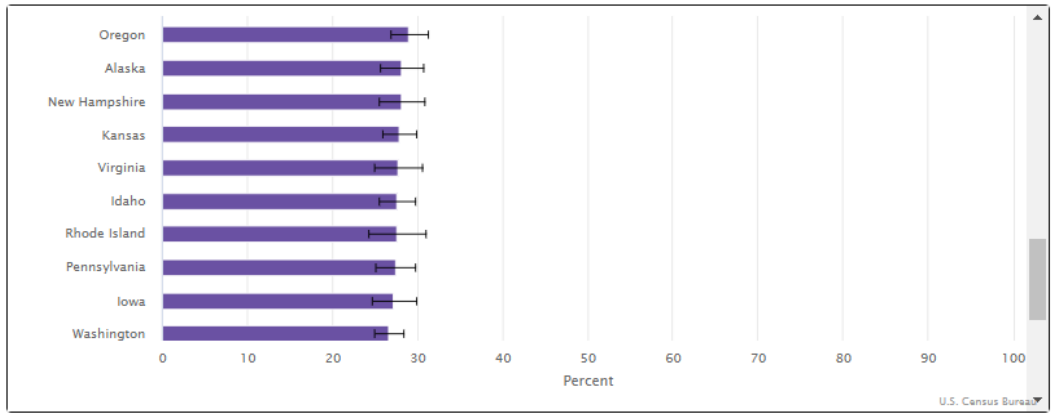
Difficulty Paying for Usual Household Expenses

Percentage of adults living in households where it has been somewhat or very difficult to pay for usual household expenses during the coronavirus pandemic

Week 14 | States



Week 14 | States



		Total Difficulty Paying for Usual Household Expenses			Difficulty Paying for Usual Household Expenses Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	78,328,774	1,336,568	32.7	0.6
14	Oregon	3,302,727	931,567	71,685	29.0	2.2
14	Washington	5,890,357	1,513,164	97,767	26.6	1.7

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Household Pulse Survey

- Expected Loss in Employment Income
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Filter By:

States: Oregon, Washington

Metro Areas: —

Reset

The Household Pulse Survey is designed to deploy quickly and efficiently, collecting data on a range of ways in which people's lives have been impacted by the pandemic. Data will be disseminated in near real-time to inform federal and state response and recovery planning.

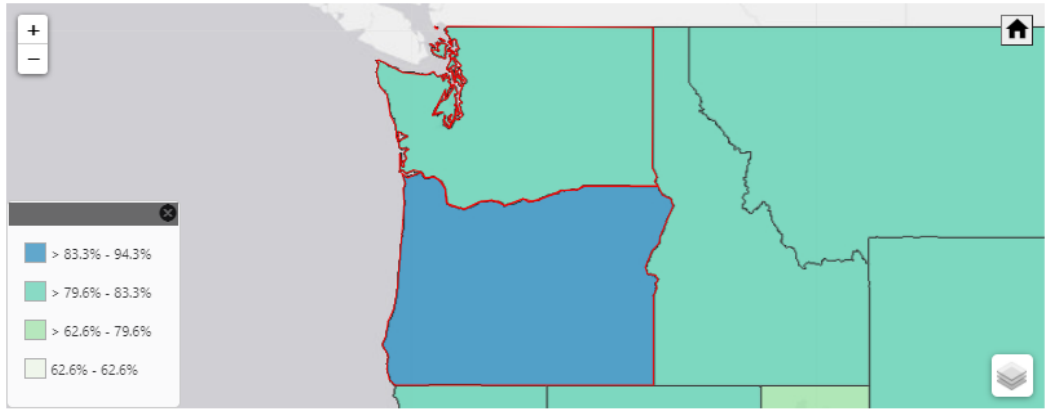
Measure Definition: Percentage of adults in households where at least one adult was planning on taking post-secondary classes this fall, but for whom those plans have either been canceled or changed in some significant way.

Notes:

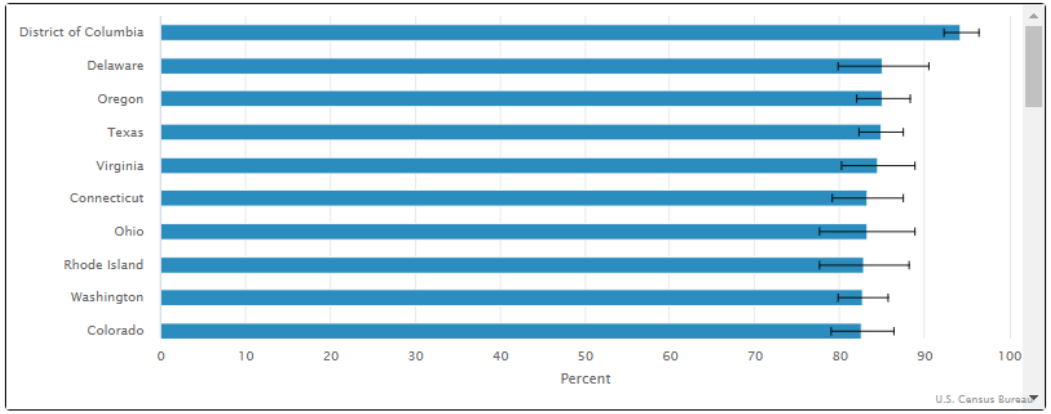
Change in Post-Secondary Education

Percentage of adults in households where at least one adult was planning on taking post-secondary classes this fall, but for whom those plans have either been canceled or changed in some significant way

Week 14 | States



Week 14 | States



		Total Change in Post-Secondary Education		Change in Post-Secondary Education Percent	
Week	Area	Total Individual Population age 18+	Number	Margin of Error +/-	Percent	Percent Margin of Error +/-
14	United States	249,170,916	44,615,760	897,560	80.9	0.8
14	Oregon	3,302,727	570,229	57,765	85.1	3.2
14	Washington	5,890,357	1,121,022	101,031	82.7	2.9

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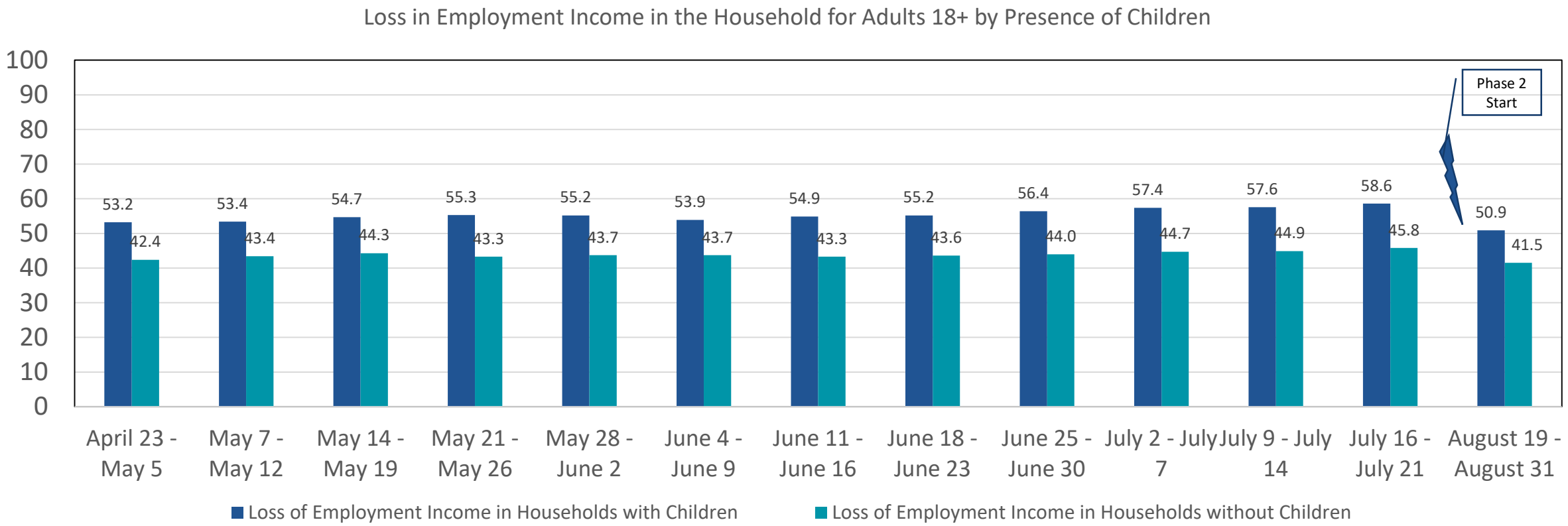
Employment Income



Source: Data from the Household Pulse Survey (April 23rd – August 31, 2020).
Universe: 18+ Adults with non-missing response to the Loss in Employment Income item.

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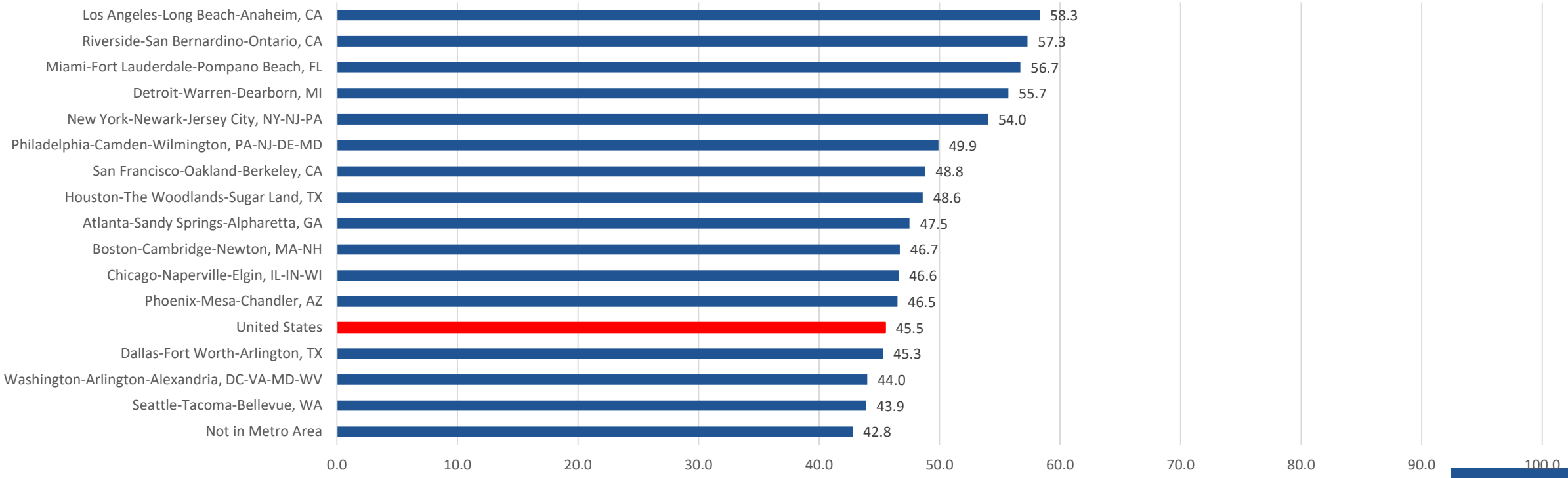
Percentage of Adults in Households Where Someone Lost Employment Income Since March 13

15 Largest Metros: August 19th – August 31st : Week 13

Percent of Adults in Households with a Loss in Employment Income in the Last Week



Source: U.S. Census Bureau, Household Pulse Survey, August 19th – August 31st , 2020.

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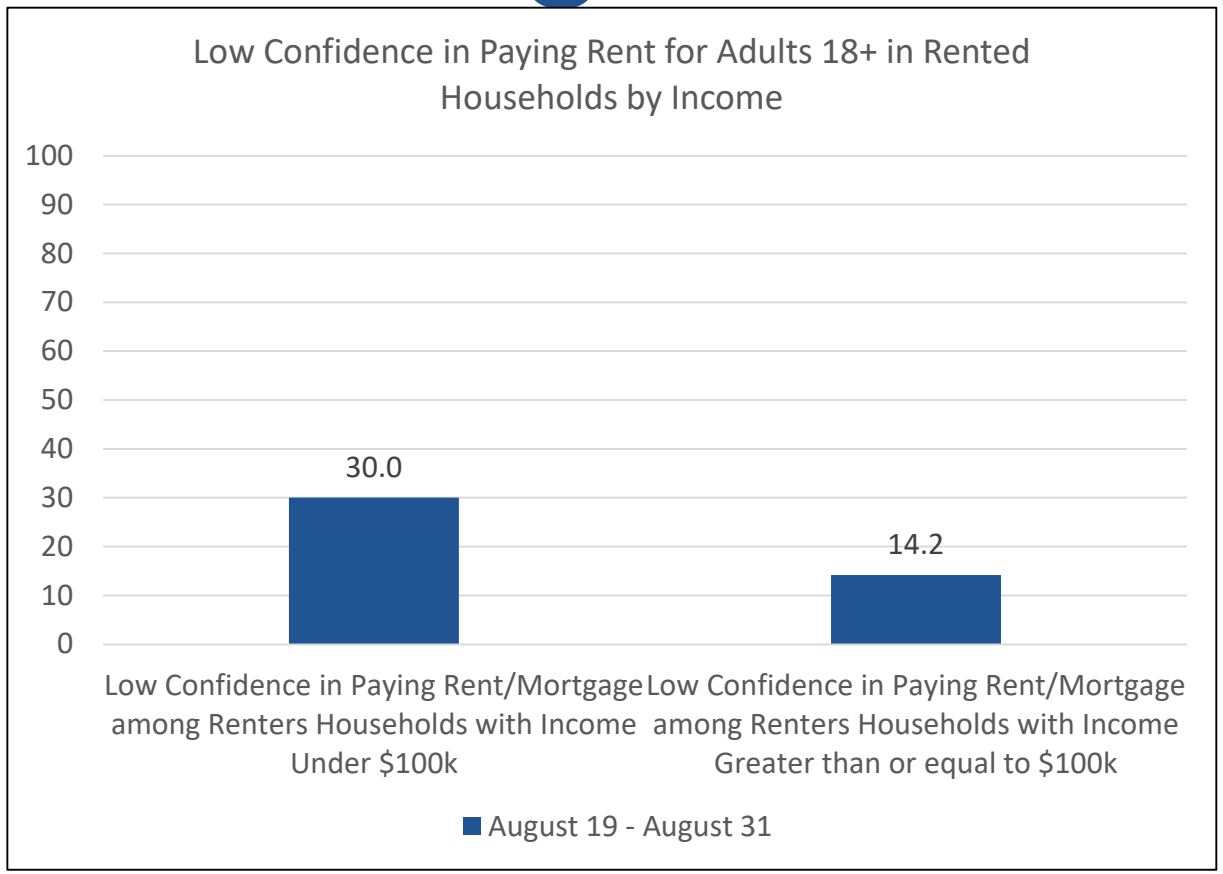
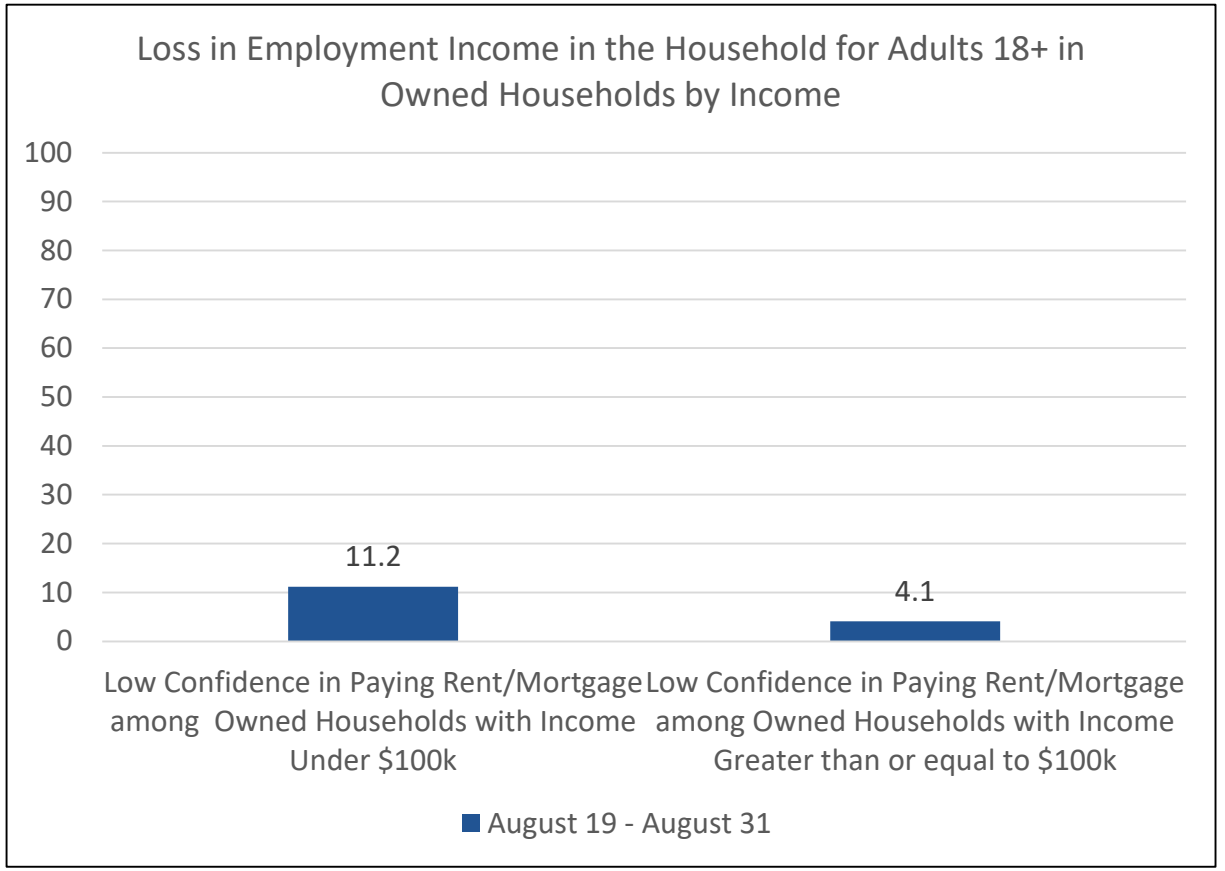
Housing - Confidence





Source: Data from the Household Pulse Survey (August 19th – August 31st , 2020).
Universe: 18+ Adults with non-missing response to the Housing Confidence, Tenure, and Income items.

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Mental Health

	Pulse Survey *"Last 7 days"* May 28 – June 2	NHIS *"Last 2 weeks"* Jan – June 2019
Symptoms of Anxiety Disorder	30.6%	8.2%
Symptoms of Depressive Disorder	25.3%	6.6%
Symptoms of Anxiety Disorder and/or Depressive Disorder	35.5%	11.0%

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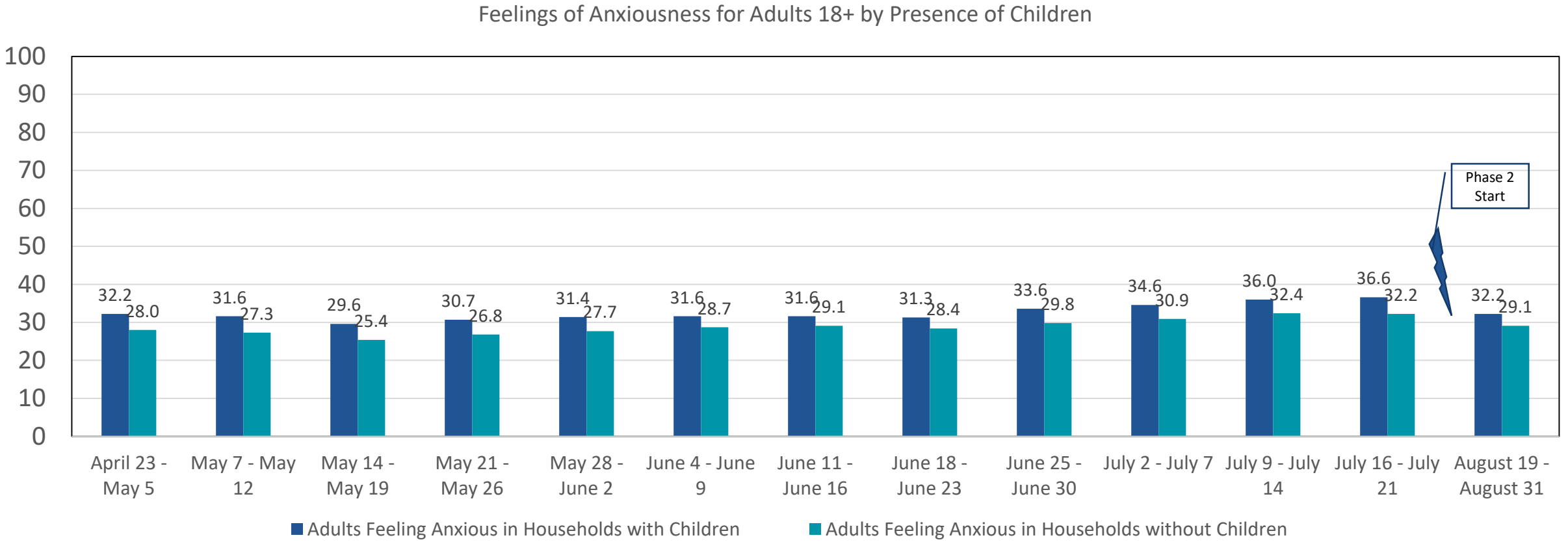
Anxiousness



Source: Data from the Household Pulse Survey (April 23rd – August 31st , 2020).
Universe: 18+ Adults with non-missing response to the Anxiety item.

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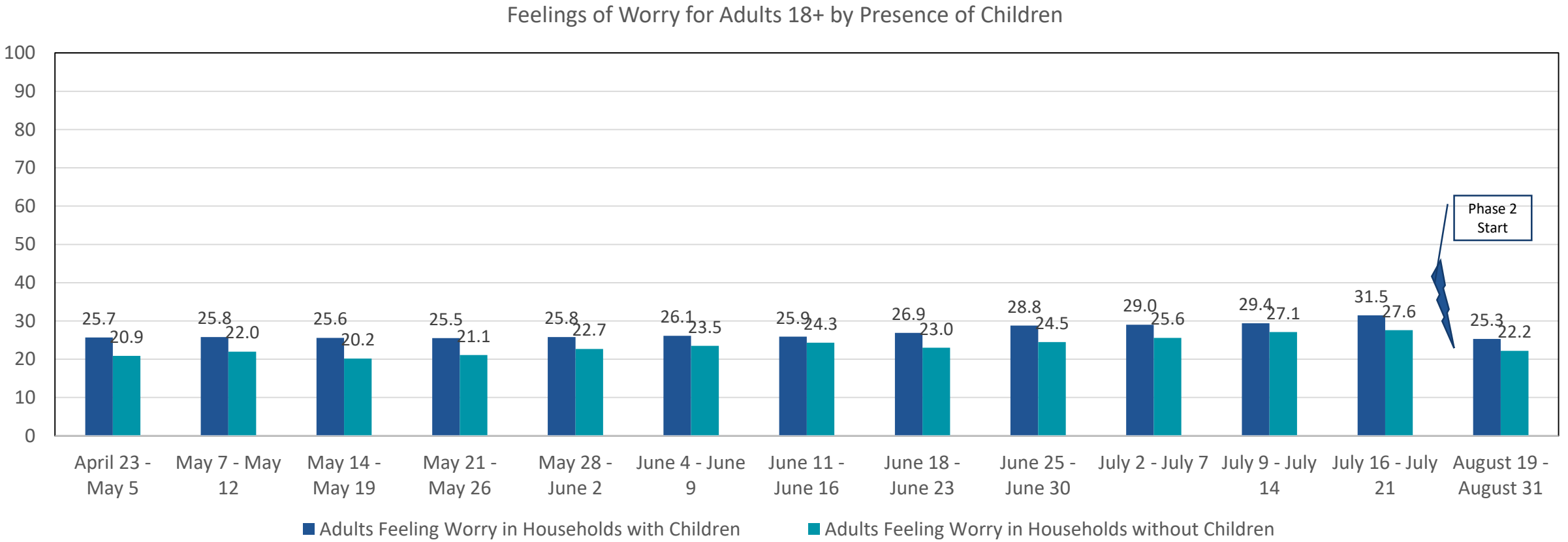
Worry



Source: Data from the Household Pulse Survey (April 23rd – August 31st , 2020).
Universe: 18+ Adults with non-missing response to the Worry items.

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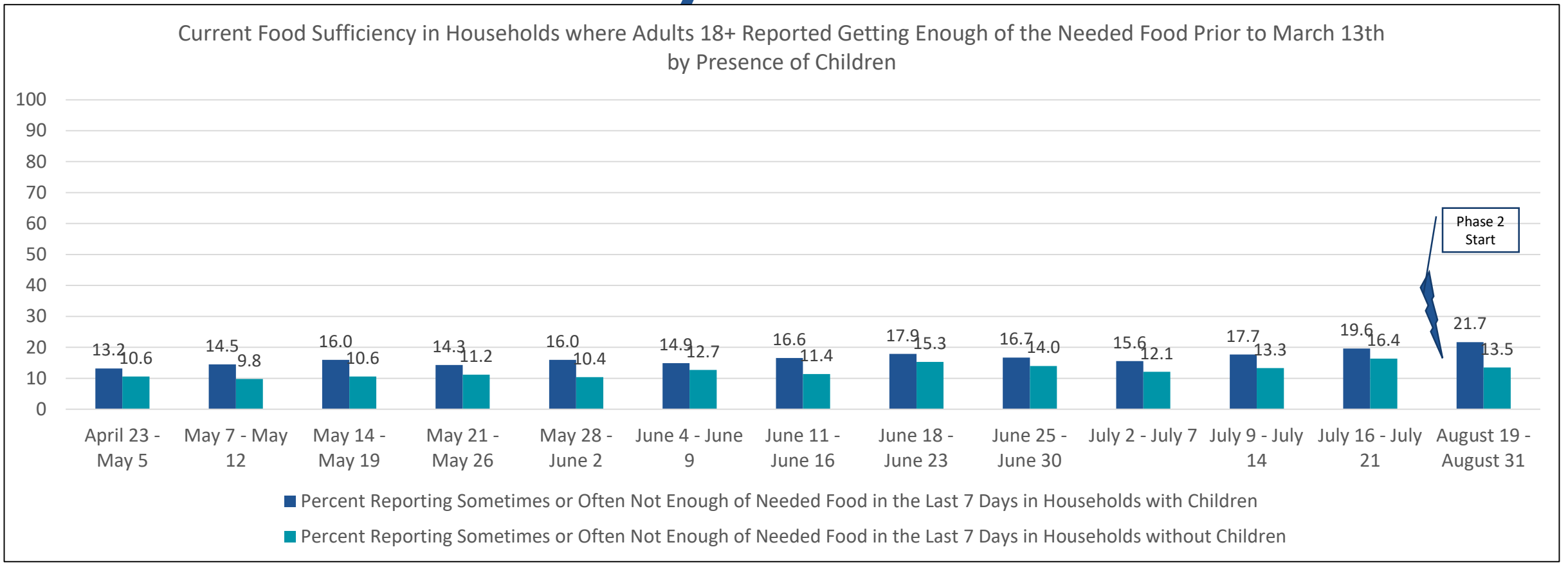
Food Sufficiency



Source: Data from the Household Pulse Survey (April 23rd – August 31st , 2020).
Universe: 18+ Adults with non-missing response to the Food Sufficiency item.

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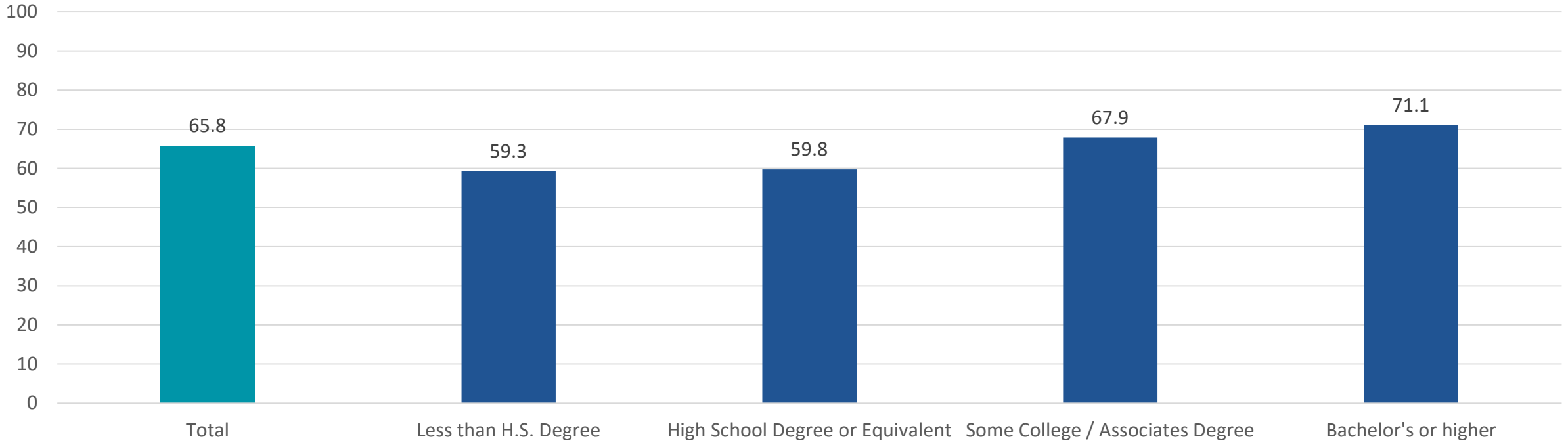
Education

Percent of adults living with children in grades K-12 who are using online resources for distance learning, by adult's educational attainment:
Week 13, August 19-August 31



Source: Data from the Household Pulse Survey (August 19th – August 31st , 2020).
Universe: 18+ adults with children under 18 enrolled in public or private school and not missing on access items.

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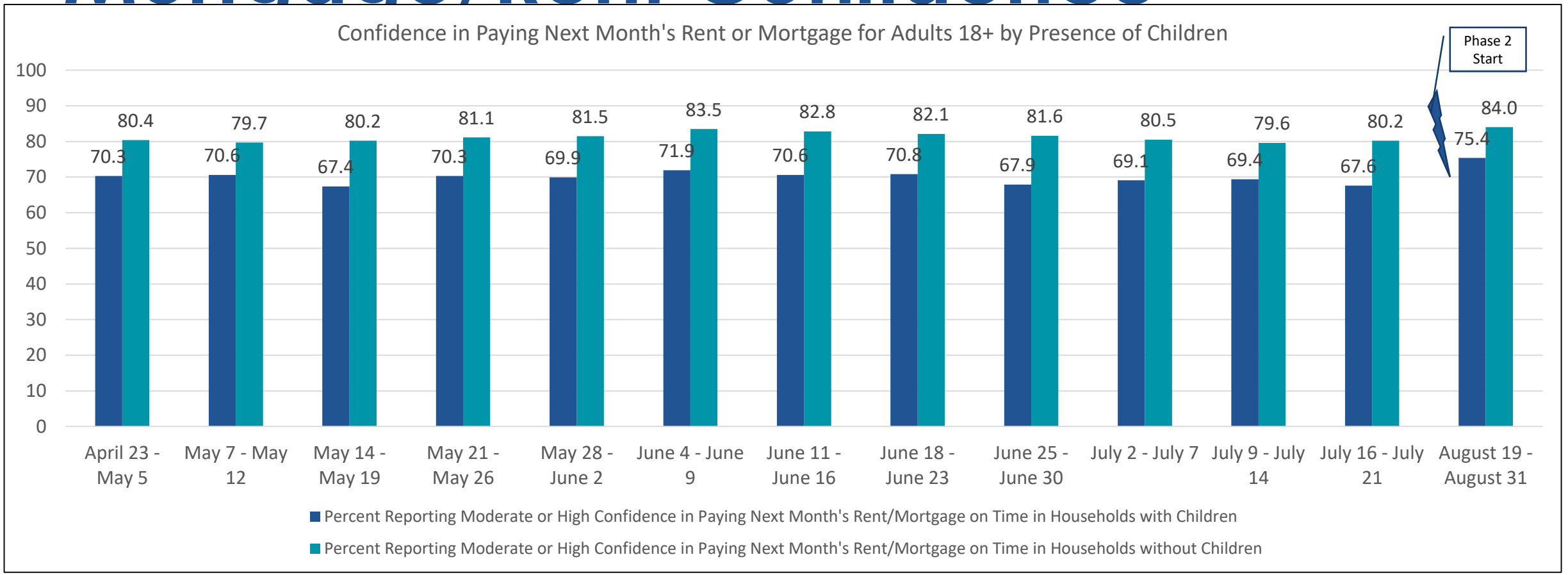
Mortgage/Rent Confidence



Source: Data from the Household Pulse Survey (April 23rd – August 31st , 2020).
Universe: 18+ Adults with non-missing response to the Confidence in Paying Rent item.

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Where to find the data

Household Pulse Survey main page: https://www.census.gov/householdpulsedata

Data tool: https://www.census.gov/data-tools/demo/hhp

Data Tables main page: https://www.census.gov/programs-surveys/household-pulse-survey/data.html

Technical Documentation: https://www.census.gov/programs-surveys/household-pulse-survey/technical-documentation.html

Survey Respondent overview: https://www.census.gov/programs-surveys/household-pulse-survey.html

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Questions?

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