

2025 Multi-State WIC Participant Satisfaction Survey

Appendix C – Survey Results Data Tables

Table of Contents

- INTRODUCTION 1
- SURVEY RESPONDENTS..... 2
 - Table 1a. Survey Participant Characteristics, by Survey Language..... 2
 - Table 1b. Survey Participant Characteristics, by Race/Ethnicity 7
- WIC ENROLLMENT AND RECERTIFICATION DOCUMENTATION 11
 - Table 2a. Experiences with WIC Enrollment or Recertification Documentation, by Survey Language 11
 - Table 2b. Experiences with WIC Enrollment or Recertification Documentation, by Race/Ethnicity 15
- APPOINTMENTS, NUTRITION EDUCATION, AND BREASTFEEDING SUPPORT 20
 - Table 3a. Experiences with Appointments, Nutrition Education, Breastfeeding Support and Other WIC Interactions, by Survey Language 20
 - Table 3b. Experiences with Appointments and Nutrition Education, Breastfeeding Support and Other WIC Interactions, by Race/Ethnicity 26
- FAIRNESS AND BELONGING 38
 - Table 4a. Perceptions of WIC’s Efforts to Support Fairness and Belonging, by Survey Language 38
 - Table 4b. Perceptions of WIC’s Efforts to Support Fairness and Belonging, by Race/Ethnicity 41
- SHOPPING FOR WIC FOODS 45
 - Table 5a. Experiences Shopping for WIC Foods, by Survey Language 45
 - Table 5b. Experiences Shopping for WIC Foods, by Race/Ethnicity 50
- USE OF WIC CARD AND WIC APP..... 59
 - Table 6a. Use of WIC Card and WIC App, by Survey Language 59
 - Table 6b. Use of WIC Card and WIC App, by Race/Ethnicity 61
- ADEQUACY OF THE CASH VALUE BENEFIT FOR FRUITS AND VEGETABLES 64
 - Table 7a. Perceptions of Cash Value Benefit (CVB) for Fruits and Vegetables, by Survey Language 64
 - Table 7b. Perceptions of Cash Value Benefit (CVB) for Fruits and Vegetables, by Race/Ethnicity 65
- PERCEPTIONS OF PROPOSED WIC FOOD PACKAGE CHANGES..... 67
 - Table 8a. Perceptions of WIC Food Package, by Survey Language 67
 - Table 8b. Perceptions of WIC Food Package, by Race/Ethnicity 71
 - Table 8c. Perceptions of WIC Food Package, by Agency Implementation of WIC Food Package Changes 77



National WIC Association



Introduction

The purpose of this project was to survey participants in WIC (the Special Supplemental Nutrition Program for Women, Infants and Children) from multiple states on 1) their experiences and satisfaction with interactions and appointments with WIC, shopping for WIC foods, and using the WIC card and app, and 2) their perception of the WIC Cash Value Benefit (CVB) to purchase fruits and vegetables and proposed changes to the WIC food packages. The survey was conducted from June to September 2025. Survey results are useful for informing the United States Department of Agriculture and State Agency efforts to increase participation and retention of women, infants, and children on the program, including as it relates to WIC participants from different states, racial/ethnic groups, preferred language, and rural versus urban residences.

These data tables summarize survey responses (n=56,082) from WIC participants from all 27 states that participated in the project: Colorado, Connecticut, Hawaii, Idaho, Illinois, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Carolina, Ohio, Puerto Rico, South Dakota, Utah, Virginia, West Virginia, Wisconsin, and Delaware. Responses are separately presented for WIC participants who completed the survey in English, Spanish, Arabic, or Haitian Creole and by their self-reported race/ethnicity. Participating states were provided separate reports that summarize responses from WIC participants in their state. When a question was not asked by all states and/or not all respondents were asked a question, a subset sample size (n=) is included in the table. Corresponding survey questions (see [Appendix B](#)) are included in **[bracketed red font]**.



Survey Respondents

Survey respondents in all states (n=56,082) were asked questions about their age, race/ethnicity, education, employment and/or school status, family members on WIC, and family duration on WIC. Respondents also were asked about use of additional sources of free food besides WIC, household food insecurity and receipt of Medicaid. Respondents that provided their zip code also were classified by urbanicity. Finally, respondents were asked if they were concerned about coming to WIC because of something they may have heard about immigration and WIC benefits. Results are stratified by respondents' survey language (**Table 1a**) and self-reported race/ethnicity (**Table 1b**).

Table 1a. Survey Participant Characteristics, by Survey Language¹

Table summary: Table 1a. lists survey participant characteristics in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole) and a column for total.

Characteristic	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Age in years, n (%) [A1]					
18-24	7016 (16.2)	1846 (15.1)	21 (5.3)	3 (3.6)	8886 (15.8)
25-29	9781 (22.5)	3165 (25.9)	66 (16.7)	14 (16.7)	13026 (23.2)
30-39	19182 (44.2)	5830 (47.7)	218 (55.2)	57 (67.9)	25287 (45.1)
40 or over	7174 (16.5)	1273 (10.4)	84 (21.3)	7 (8.3)	8538 (15.2)
Prefer not to answer	224 (0.5)	112 (0.9)	6 (1.5)	3 (3.6)	345 (0.6)
Race/Ethnicity, n (%) [G7]					
American Indian/Alaska Native	957 (2.2)	65 (0.5)	3 (0.8)	1 (1.2)	1026 (1.8)
Asian	1665 (3.8)	11 (0.1)	12 (3.0)	0 (0.0)	1688 (3.0)
Black/African American	7806 (18.0)	34 (0.3)	51 (12.9)	65 (77.4)	7956 (14.2)
Hispanic/Latino	4888 (11.3)	10415 (85.2)	4 (1.0)	2 (2.4)	15309 (27.3)
Middle Eastern/North African	204 (0.5)	3 (0.0)	188 (47.6)	0 (0.0)	395 (0.7)
Native Hawaiian/other Pacific Islander	248 (0.6)	1 (0.0)	1 (0.3)	0 (0.0)	250 (0.4)
White	21718 (50.1)	40 (0.3)	46 (11.6)	0 (0.0)	21804 (38.9)
Other	359 (0.8)	167 (1.4)	27 (6.8)	5 (6.0)	558 (1.0)
Selected more than one	3855 (8.9)	133 (1.1)	8 (2.0)	0 (0.0)	3996 (7.1)
Prefer not to answer	1677 (3.9)	1357 (11.1)	55 (13.9)	11 (13.1)	3100 (5.5)
Asian ancestry/ethnic origin,² n (%) [G7a]					
Asian Indian	(n=1760) 176 (10.6)	(n=16) 0 (0.0)	(n=11) 1 (9.1)	(n=0) 0 (0.0)	(n=1787) 177 (10.5)
Chinese	89 (5.4)	2 (13.3)	0 (0.0)	0 (0.0)	91 (5.4)
Filipino	375 (22.6)	2 (13.3)	0 (0.0)	0 (0.0)	377 (22.4)
Japanese	55 (3.3)	1 (6.7)	0 (0.0)	0 (0.0)	56 (3.3)
Korean	36 (2.2)	0 (0.0)	0 (0.0)	0 (0.0)	36 (2.1)
Vietnamese	67 (4.0)	0 (0.0)	1 (9.1)	0 (0.0)	68 (4.0)

Characteristic	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Other	763 (46.1)	5 (33.3)	6 (54.5)	0 (0.0)	774 (46.0)
Prefer not to answer	95 (5.7)	5 (33.3)	3 (27.3)	0 (0.0)	103 (6.1)
Black/ African American ancestry/ethnic origin,³ n (%) [G7b]	(n=8142)	(n=44)	(n=47)	(n=54)	(n=8287)
African	6585 (84.3)	19 (46.3)	31 (67.4)	6 (12.2)	6641 (83.6)
Jamaican	124 (1.6)	0 (0.0)	0 (0.0)	0 (0.0)	124 (1.6)
Haitian	55 (0.7)	9 (22.0)	0 (0.0)	40 (81.6)	104 (1.3)
Nigerian	145 (1.9)	0 (0.0)	1 (2.2)	0 (0.0)	146 (1.8)
Ethiopian	99 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	99 (1.2)
Somali	35 (0.4)	0 (0.0)	0 (0.0)	0 (0.0)	35 (0.4)
Other	438 (5.6)	6 (14.6)	12 (26.1)	0 (0.0)	456 (5.7)
Prefer not to answer	326 (4.2)	7 (17.1)	2 (4.3)	3 (6.1)	338 (4.3)
Hispanic/Latino ancestry/ethnic origin,⁴ n (%) [G7c]	(n=4461)	(n=8616)	(n=2)	(n=1)	(n=13080)
Mexican	2302 (55.6)	2471 (29.0)	0 (0.0)	0 (0.0)	4773 (37.7)
Puerto Rican	562 (13.6)	159 (1.9)	0 (0.0)	0 (0.0)	721 (5.7)
Salvadoran	326 (7.9)	1128 (13.2)	0 (0.0)	0 (0.0)	1454 (11.5)
Cuban	54 (1.3)	230 (2.7)	0 (0.0)	0 (0.0)	284 (2.2)
Dominican	125 (3.0)	243 (2.8)	0 (0.0)	0 (0.0)	368 (2.9)
Guatemalan	121 (2.9)	975 (11.4)	0 (0.0)	0 (0.0)	1096 (8.7)
Other	520 (12.6)	2976 (34.9)	2 (100.0)	1 (100.0)	3499 (27.6)
Prefer not to answer	127 (3.1)	345 (4.0)	0 (0.0)	0 (0.0)	472 (3.7)
Middle Eastern/ North African ancestry/ethnic origin,⁵ n (%) [G7d]	(n=222)	(n=8)	(n=115)	(n=0)	(n=345)
Lebanese	9 (4.4)	1 (14.3)	1 (0.9)	0 (0.0)	11 (3.4)
Iranian	14 (6.9)	0 (0.0)	0 (0.0)	0 (0.0)	14 (4.3)
Egyptian	24 (11.8)	0 (0.0)	15 (13.2)	0 (0.0)	39 (12.0)
Syrian	3 (1.5)	0 (0.0)	32 (28.1)	0 (0.0)	35 (10.8)
Iraqi	17 (8.3)	0 (0.0)	14 (12.3)	0 (0.0)	31 (9.5)
Israeli	11 (5.4)	0 (0.0)	0 (0.0)	0 (0.0)	11 (3.4)
Palestinian	45 (22.1)	0 (0.0)	20 (17.5)	0 (0.0)	65 (20.0)
Other	58 (28.4)	2 (28.6)	28 (24.6)	0 (0.0)	88 (27.1)
Prefer not to answer	23 (11.3)	4 (57.1)	4 (3.5)	0 (0.0)	31 (9.5)
Native Hawaiian or other Pacific Islander ancestry/ethnic origin,⁶ n (%) [G7e]	(n=403)	(n=2)	(n=1)	(n=0)	(n=406)
Chamorro	15 (4.2)	0 (0.0)	0 (0.0)	0 (0.0)	15 (4.2)
Native Hawaiian	153 (43.3)	0 (0.0)	0 (0.0)	0 (0.0)	153 (43.0)
Marshallese	20 (5.7)	0 (0.0)	0 (0.0)	0 (0.0)	20 (5.6)
Samoan	52 (14.7)	1 (50.0)	1 (100.0)	0 (0.0)	54 (15.2)
Tongan	34 (9.6)	0 (0.0)	0 (0.0)	0 (0.0)	34 (9.6)
Fijian	60 (17.0)	0 (0.0)	0 (0.0)	0 (0.0)	60 (16.9)
Other	7 (2.0)	0 (0.0)	0 (0.0)	0 (0.0)	7 (2.0)

Characteristic	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Prefer not to answer	12 (3.4)	1 (50.0)	0 (0.0)	0 (0.0)	13 (3.7)
White ancestry/ethnic origin, ⁷ n (%) [G7f]	(n=20539)	(n=59)	(n=43)	(n=0)	(n=20641)
English	10973 (53.6)	13 (23.2)	28 (65.1)	0 (0.0)	11014 (53.6)
German	631 (3.1)	0 (0.0)	0 (0.0)	0 (0.0)	631 (3.1)
Irish	266 (1.3)	0 (0.0)	1 (2.3)	0 (0.0)	267 (1.3)
Italian	195 (1.0)	1 (1.8)	0 (0.0)	0 (0.0)	196 (1.0)
Polish	100 (0.5)	0 (0.0)	0 (0.0)	0 (0.0)	100 (0.5)
Scottish	71 (0.3)	1 (1.8)	0 (0.0)	0 (0.0)	72 (0.4)
Other	720 (3.5)	16 (28.6)	5 (11.6)	0 (0.0)	741 (3.6)
Selected more than one	6277 (30.7)	0 (0.0)	4 (9.3)	0 (0.0)	6281 (30.5)
Prefer not to answer	1228 (6.0)	25 (44.6)	5 (11.6)	0 (0.0)	1258 (6.1)
Education level, n (%) [G1]					
No formal schooling	242 (0.6)	544 (4.4)	9 (2.3)	0 (0.0)	795 (1.4)
8 th grade or less	309 (0.7)	1351 (11.1)	34 (8.6)	3 (3.6)	1697 (3.0)
Some high school	3060 (7.1)	2154 (17.6)	52 (13.2)	11 (13.1)	5277 (9.4)
High school	14829 (34.2)	3416 (27.9)	108 (27.3)	19 (22.6)	18372 (32.8)
Some college	16235 (37.4)	1410 (11.5)	68 (17.2)	12 (14.3)	17725 (31.6)
College graduate	5567 (12.8)	1086 (8.9)	80 (20.3)	14 (16.7)	6747 (12.0)
Post graduate degree	1950 (4.5)	223 (1.8)	20 (5.1)	15 (17.9)	2208 (3.9)
Prefer not to answer	1185 (2.7)	2042 (16.7)	24 (6.1)	10 (11.9)	3261 (5.8)
Participant's current employment or school status, n (%) [G2]					
Not currently	19381 (44.7)	7417 (60.7)	248 (62.8)	53 (63.1)	27099 (48.3)
Full-time	12410 (28.6)	1157 (9.5)	45 (11.4)	7 (8.3)	13619 (24.3)
Part-time	8115 (18.7)	1833 (15.0)	58 (14.7)	5 (6.0)	10011 (17.9)
Prefer not to answer	3471 (8.0)	1819 (14.9)	44 (11.1)	19 (22.6)	5353 (9.5)
Family member(s) currently on WIC, n (%) [A2]					
Pregnant woman	5120 (11.8)	1334 (10.9)	39 (9.9)	15 (17.9)	6508 (11.6)
Breastfeeding woman	8163 (18.8)	2803 (22.9)	81 (20.5)	25 (29.8)	11072 (19.7)
Other postpartum woman	2753 (6.3)	293 (2.4)	24 (6.1)	10 (11.9)	3080 (5.5)
Infant <1 year old	13470 (31.1)	3395 (27.8)	101 (25.6)	32 (38.1)	16998 (30.3)
1 year old child	11125 (25.6)	2585 (21.1)	78 (19.7)	11 (13.1)	13799 (24.6)
2 year old child	10538 (24.3)	2274 (18.6)	94 (23.8)	14 (16.7)	12920 (23.0)
3 year old child	9224 (21.3)	1999 (16.4)	83 (21.0)	10 (11.9)	11316 (20.2)
4 year old child	8423 (19.4)	1782 (14.6)	86 (21.8)	8 (9.5)	10299 (18.4)
Prefer not to answer	334 (0.8)	262 (2.1)	11 (2.8)	1 (1.2)	608 (1.1)
Duration of family on WIC, ⁸ n (%) [B1]					
Less than 1 year	10299 (23.7)	3965 (32.5)	109 (27.6)	38 (45.2)	14411 (25.7)
1-2 years	12552 (28.9)	4032 (33.0)	128 (32.4)	20 (23.8)	16732 (29.8)
3 or more years	20041 (46.2)	3813 (31.2)	154 (39.0)	14 (16.7)	24022 (42.8)
Prefer not to answer	481 (1.1)	403 (3.3)	4 (1.0)	12 (14.3)	900 (1.6)

Characteristic	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Sources of food assistance in past 30 days, n (%) [G3]					
Local food pantry/food bank/religious organization	11860 (27.4)	4314 (35.5)	80 (20.4)	15 (18.8)	16269 (29.1)
School meals/school meal distribution site	9337 (21.6)	2577 (21.4)	69 (17.8)	9 (11.5)	11992 (21.5)
Food from family/friends	15620 (36.3)	2012 (16.8)	51 (13.1)	8 (10.7)	17691 (31.9)
Supplemental Nutrition Assistance Program	20183 (46.7)	3392 (28.3)	203 (52.3)	19 (26.0)	23797 (42.8)
Summer-EBT (SUN Bucks) ⁹ (n=48029)	11694 (32.4)	2663 (24.2)	127 (35.0)	12 (16.7)	14496 (30.5)
Food Distribution Program on Indian Reservations ¹⁰ (n=28841)	531 (2.5)	145 (2.1)	3 (2.1)	1 (4.5)	680 (2.4)
Other	1441 (3.5)	447 (4.0)	11 (3.1)	6 (8.7)	1905 (3.6)
None of the above ¹¹	7129 (16.4)	2960 (24.3)	68 (17.3)	26 (31.7)	10183 (18.2)
Prefer not to answer ¹²	608 (1.1)	11 (2.8)	334 (0.8)	262 (2.1)	1 (1.2)
Household food insecure in past 12 months, ¹³ n (%) [G4]	26019 (60.1)	8323 (68.7)	218 (55.8)	59 (71.1)	34619 (62.0)
Receiving Medicaid, n (%) [G5]	35670 (82.3)	7126 (58.7)	296 (75.3)	64 (76.2)	43156 (77.1)
Urbanicity, ¹⁴ n (%) (n=50501) [G6]					
Urban	23022 (58.3)	8763 (82.2)	274 (87.5)	68 (88.3)	32127 (63.6)
Suburban	4069 (10.3)	423 (4.0)	12 (3.8)	1 (1.3)	4505 (8.9)
Rural	12361 (31.3)	1474 (13.8)	26 (8.3)	8 (10.4)	13869 (27.5)
Concerned about coming to WIC because of something heard about immigration and benefits, ¹⁵ n (%) (n=53059) [J2]					
No	35839 (89.3)	5924 (50.4)	319 (82.4)	45 (60.0)	42127 (80.5)
Yes	2755 (6.9)	4391 (37.3)	33 (8.5)	23 (30.7)	7202 (13.8)
Prefer not to answer	1518 (3.8)	1445 (12.3)	35 (9.0)	7 (9.3)	3005 (5.7)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not. Respondents marking Hispanic or Latino were included in that category only, regardless of whether they marked other racial groups. Abbreviations: EBT, Electronic Benefits Transfer; SNAP, Supplemental Nutrition Assistance Program.
2. Only asked of those that selected "Asian" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
3. Only asked of those that selected "Black" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
4. Only asked of those that selected "Hispanic or Latino" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
5. Only asked of those that selected "Middle Eastern or North African" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
6. Only asked of those that selected "Native Hawaiian or other Pacific Islander" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
7. Only asked of those that selected "White" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
8. Respondents were asked about overall duration on WIC, including all pregnancies and children.
9. Response option not available to ID, MN, SD, and WCD WIC participants.
10. Response option not available to CT, HI, IL, KY, LA, ME, MD, MI, NH, OH, Pueblo of Isleta, SD, VA, and WV WIC participants.
11. Respondents marked 'no' to all response options.
12. Respondents who marked 'prefer not to answer' to all food assistance types.
13. Based on two questions from the USDA Food Security Module, asked about the prior 12 months from the time of the survey.

14. Determined based on respondent zip code [G7]; HI, NV, and NM WIC participants were not asked to provide zip code. Urbanicity was determined by matching the zip codes to the 2020 USDA Rural-Urban Commuting Area codes. This method was informed by: Hailu A, Wasserman C, 2016, [*Guidelines for Using Rural-Urban Classification System for Community Health Assessment*](#).
15. Question option not available to ID and NH WIC participants.

Table 1b. Survey Participant Characteristics, by Race/Ethnicity¹

Table summary: Table 1b. lists survey participant characteristics in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Characteristic	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Age in years, n (%) [A1]											
18-24	171 (16.7)	74 (4.4)	1105 (13.9)	2471 (16.1)	22 (5.6)	30 (12.0)	3686 (16.9)	79 (14.2)	828 (20.7)	420 (13.5)	8886 (15.8)
25-29	206 (20.1)	300 (17.8)	1510 (19.0)	3931 (25.7)	72 (18.2)	51 (20.4)	5252 (24.1)	122 (21.9)	979 (24.5)	603 (19.5)	13026 (23.2)
30-39	413 (40.3)	1015 (60.1)	3786 (47.6)	7211 (47.1)	217 (54.9)	131 (52.4)	9173 (42.1)	246 (44.1)	1660 (41.5)	1435 (46.3)	25287 (45.1)
40 or over	224 (21.8)	285 (16.9)	1519 (19.1)	1611 (10.5)	81 (20.5)	37 (14.8)	3633 (16.7)	107 (19.2)	517 (12.9)	524 (16.9)	8538 (15.2)
Prefer not to answer	12 (1.2)	14 (0.8)	36 (0.5)	85 (0.6)	3 (0.8)	1 (0.4)	60 (0.3)	4 (0.7)	12 (0.3)	118 (3.8)	345 (0.6)
Education level, n (%) [G1]											
No formal schooling	31 (3.0)	36 (2.1)	82 (1.0)	466 (3.0)	4 (1.0)	1 (0.4)	32 (0.1)	26 (4.7)	38 (1.0)	79 (2.5)	795 (1.4)
8 th grade or less	32 (3.1)	21 (1.2)	68 (0.9)	1199 (7.8)	19 (4.8)	0 (0.0)	110 (0.5)	21 (3.8)	50 (1.3)	177 (5.7)	1697 (3.0)
Some high school	114 (11.1)	81 (4.8)	604 (7.6)	2312 (15.1)	35 (8.9)	19 (7.6)	1418 (6.5)	67 (12.0)	301 (7.5)	326 (10.5)	5277 (9.4)
High school	366 (35.7)	424 (25.1)	2841 (35.7)	4926 (32.2)	74 (18.7)	113 (45.2)	7455 (34.2)	149 (26.7)	1301 (32.6)	723 (23.3)	18372 (32.8)
Some college	365 (35.6)	407 (24.1)	2824 (35.5)	3011 (19.7)	88 (22.3)	76 (30.4)	8543 (39.2)	130 (23.3)	1610 (40.3)	671 (21.6)	17725 (31.6)
College graduate	62 (6.0)	441 (26.1)	889 (11.2)	1408 (9.2)	105 (26.6)	26 (10.4)	3012 (13.8)	65 (11.6)	451 (11.3)	288 (9.3)	6747 (12.0)
Post graduate degree	22 (2.1)	180 (10.7)	417 (5.2)	323 (2.1)	45 (11.4)	2 (0.8)	945 (4.3)	32 (5.7)	159 (4.0)	83 (2.7)	2208 (3.9)
Prefer not to answer	34 (3.3)	98 (5.8)	231 (2.9)	1664 (10.9)	25 (6.3)	13 (5.2)	289 (1.3)	68 (12.2)	86 (2.2)	753 (24.3)	3261 (5.8)
Participant's current employment or school status, n (%) [G2]											
Not currently	453 (44.2)	794 (47.0)	3006 (37.8)	8636 (56.4)	254 (64.3)	125 (50.0)	10470 (48.0)	291 (52.2)	1780 (44.5)	1290 (41.6)	27099 (48.3)

Characteristic	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Full-time	310 (30.2)	430 (25.5)	2822 (35.5)	2390 (15.6)	42 (10.6)	60 (24.0)	5869 (26.9)	84 (15.1)	1135 (28.4)	477 (15.4)	13619 (24.3)
Part-time	167 (16.3)	285 (16.9)	1489 (18.7)	2503 (16.3)	56 (14.2)	40 (16.0)	4159 (19.1)	94 (16.8)	788 (19.7)	430 (13.9)	10011 (17.9)
Prefer not to answer	96 (9.4)	179 (10.6)	639 (8.0)	1780 (11.6)	43 (10.9)	25 (10.0)	1306 (6.0)	89 (15.9)	293 (7.3)	903 (29.1)	5353 (9.5)
Family member(s) on WIC, n (%) [A2]											
Pregnant woman [WICPPT_1]	106 (10.3)	222 (13.2)	1033 (13.0)	1713 (11.2)	38 (9.6)	28 (11.2)	2501 (11.5)	61 (10.9)	494 (12.4)	312 (10.1)	6508 (11.6)
Breastfeeding woman [WICPPT_2]	183 (17.8)	388 (23.0)	1229 (15.4)	3401 (22.2)	79 (20.0)	36 (14.4)	4163 (19.1)	91 (16.3)	908 (22.7)	594 (19.2)	11072 (19.7)
Other postpartum woman [WICPPT_3]	40 (3.9)	79 (4.7)	503 (6.3)	522 (3.4)	21 (5.3)	19 (7.6)	1485 (6.8)	24 (4.3)	294 (7.4)	93 (3.0)	3080 (5.5)
Infant <12 months old [WICPPT_4]	273 (26.6)	515 (30.5)	2384 (30.0)	4436 (29.0)	108 (27.3)	77 (30.8)	6962 (31.9)	135 (24.2)	1332 (33.3)	776 (25.0)	16998 (30.3)
1 year old child [WICPPT_5]	270 (26.3)	361 (21.4)	1984 (24.9)	3454 (22.6)	80 (20.3)	79 (31.6)	5739 (26.3)	124 (22.2)	1012 (25.3)	696 (22.5)	13799 (24.6)
2 year old child [WICPPT_6]	243 (23.7)	408 (24.2)	1807 (22.7)	3007 (19.6)	100 (25.3)	58 (23.2)	5481 (25.1)	118 (21.1)	968 (24.2)	730 (23.5)	12920 (23.0)
3 year old child [WICPPT_7]	240 (23.4)	347 (20.6)	1603 (20.1)	2727 (17.8)	87 (22.0)	52 (20.8)	4753 (21.8)	102 (18.3)	845 (21.1)	560 (18.1)	11316 (20.2)
4 year old child [WICPPT_8]	188 (18.3)	328 (19.4)	1440 (18.1)	2383 (15.6)	79 (20.0)	60 (24.0)	4471 (20.5)	96 (17.2)	725 (18.1)	529 (17.1)	10299 (18.4)
Prefer not to answer [WICPPT_99]	18 (1.8)	20 (1.2)	56 (0.7)	216 (1.4)	10 (2.5)	7 (2.8)	98 (0.4)	15 (2.7)	31 (0.8)	137 (4.4)	608 (1.1)
Duration of family on WIC, ⁸ n (%) [B1]											
Less than 1 year	227 (22.1)	487 (28.9)	1836 (23.1)	4613 (30.2)	121 (30.6)	66 (26.4)	5105 (23.4)	170 (30.5)	973 (24.4)	813 (26.2)	14411 (25.7)
1-2 years	306 (29.8)	520 (30.8)	2161 (27.2)	4982 (32.6)	117 (29.6)	81 (32.4)	6363 (29.2)	173 (31.0)	1097 (27.5)	932 (30.1)	16732 (29.8)
3 or more years	479 (46.7)	635 (37.6)	3867 (48.6)	5379 (35.2)	152 (38.5)	99 (39.6)	10192 (46.7)	200 (35.8)	1891 (47.3)	1128 (36.4)	24022 (42.8)
Prefer not to answer	14 (1.4)	46 (2.7)	91 (1.1)	322 (2.1)	5 (1.3)	4 (1.6)	144 (0.7)	15 (2.7)	34 (0.9)	225 (7.3)	900 (1.6)
Sources of food assistance used in past 30 days, n (%) [G3]											

Characteristic	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Local food pantry/food bank/religious organization	391 (38.2)	432 (25.6)	2266 (28.5)	5212 (34.2)	73 (18.6)	89 (35.7)	5543 (25.4)	184 (33.3)	1245 (31.2)	834 (27.1)	16269 (29.1)
School meals/school meal distribution site	341 (33.6)	276 (16.5)	1896 (24.0)	3304 (21.8)	51 (13.1)	66 (26.6)	4422 (20.3)	117 (21.2)	957 (24.1)	562 (18.4)	11992 (21.5)
Food from family/friends	384 (40.1)	429 (25.7)	2822 (35.7)	3289 (21.8)	74 (18.9)	91 (36.7)	8160 (37.6)	111 (20.3)	1661 (42.3)	670 (22.1)	17691 (31.9)
SNAP	558 (55.2)	538 (32.2)	4770 (60.4)	4992 (33.1)	204 (52.3)	121 (48.8)	9357 (43.0)	244 (45.0)	2006 (50.5)	1007 (33.2)	23797 (42.8)
Summer-EBT (SUN Bucks) ⁹ (n=48029)	295 (41.8)	378 (28.5)	2957 (42.2)	3716 (27.3)	110 (32.0)	80 (33.6)	5037 (28.3)	139 (28.9)	1065 (32.1)	719 (26.8)	14496 (30.5)
Food Distribution Program on Indian Reservations ¹⁰	116 (14.4)	28 (2.8)	101 (4.4)	186 (2.0)	2 (1.4)	4 (2.6)	118 (1.1)	15 (5.2)	63 (2.7)	47 (3.0)	680 (2.4)
Other	61 (6.3)	55 (3.5)	459 (6.0)	465 (3.2)	11 (3.1)	9 (3.8)	550 (2.6)	33 (6.3)	153 (4.0)	109 (3.8)	1905 (3.6)
None of the above ¹¹	107 (10.4)	363 (21.5)	977 (12.3)	3450 (22.6)	76 (19.3)	28 (11.2)	4011 (18.4)	90 (16.2)	532 (13.3)	549 (17.8)	10183 (18.2)
Prefer not to answer ¹²	3 (0.3)	11 (0.7)	12 (0.2)	37 (0.2)	1 (0.3)	3 (1.2)	25 (0.1)	2 (0.4)	4 (0.1)	69 (2.2)	167 (0.3)
Household food insecure in past 12 months, ¹³ n (%) [G4]	687 (67.2)	986 (58.8)	5116 (64.6)	10227 (67.3)	222 (56.9)	166 (66.4)	12514 (57.5)	353 (63.8)	2634 (66.0)	1714 (55.9)	34619 (62.0)
Receiving Medicaid, n (%) [G5]	849 (82.9)	1235 (73.3)	6631 (83.5)	10086 (66.2)	304 (77.6)	175 (70.3)	18224 (83.6)	406 (73.3)	3391 (84.9)	1855 (60.4)	43156 (77.1)
Urbanicity, ¹⁴ n (%) (n=50501) [G6]											
Urban	410 (43.2)	1223 (86.9)	5971 (80.4)	10873 (80.2)	325 (96.2)	108 (84.4)	8816 (43.1)	395 (82.0)	2321 (65.1)	1685 (76.9)	32127 (63.6)
Suburban	65 (6.9)	50 (3.6)	437 (5.9)	602 (4.4)	5 (1.5)	5 (3.9)	2872 (14.0)	25 (5.2)	292 (8.2)	152 (6.9)	4505 (8.9)
Rural	473 (49.9)	134 (9.5)	1020 (13.7)	2074 (15.3)	7 (2.1)	15 (11.7)	8782 (42.9)	62 (12.9)	949 (26.6)	353 (16.1)	13869 (27.5)
Concerned about coming to WIC because of something they have heard about											

Characteristic	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
immigration and benefits, ¹⁵ n (%) [J2]											
No	821 (83.9)	1191 (72.9)	6836 (88.8)	8897 (60.7)	325 (83.8)	207 (86.2)	18467 (94.5)	379 (71.5)	3283 (88.8)	1721 (58.1)	42127 (80.5)
Yes	111 (11.3)	278 (17.0)	639 (8.3)	4494 (30.7)	38 (9.8)	25 (10.4)	665 (3.4)	114 (21.5)	279 (7.5)	559 (18.9)	7202 (13.8)
Prefer not to answer	47 (4.8)	164 (10.0)	225 (2.9)	1262 (8.6)	25 (6.4)	8 (3.3)	419 (2.1)	37 (7.0)	137 (3.7)	681 (23.0)	3005 (5.7)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not. Respondents marking Hispanic or Latino were included in that category only, regardless of whether they marked other racial groups. Abbreviations: EBT, Electronic Benefits Transfer; SNAP, Supplemental Nutrition Assistance Program.
2. Only asked of those that selected "Asian" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
3. Only asked of those that selected "Black" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
4. Only asked of those that selected "Hispanic or Latino" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
5. Only asked of those that selected "Middle Eastern or North African" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
6. Only asked of those that selected "Native Hawaiian or other Pacific Islander" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
7. Only asked of those that selected "White" to the question, "How would you describe yourself?" Question not available to CO, IL, MI, NH, NM, SD WIC participants.
8. Respondents were asked about overall duration on WIC, including all pregnancies and children.
9. Response option not available to ID, MN, SD, and WCD WIC participants.
10. Response option not available to CT, HI, IL, KY, LA, ME, MD, MI, NH, OH, Pueblo of Isleta, SD, VA, and WV WIC participants.
11. Respondents marked 'no' to all response options.
12. Respondents who marked 'prefer not to answer' to all food assistance types.
13. Based on two questions from the USDA Food Security Module, asked about the prior 12 months from the time of the survey.
14. Determined based on respondent zip code [G7]; HI, NV, and NM WIC participants were not asked to provide zip code. Urbanicity was determined by matching the zip codes to the 2020 USDA Rural-Urban Commuting Area codes. This method was informed by: Hailu A, Wasserman C, 2016, [Guidelines for Using Rural-Urban Classification System for Community Health Assessment](#).
15. Question option not available to ID and NH WIC participants.

WIC Enrollment and Recertification Documentation

Survey respondents who had enrolled or recertified on WIC were asked which methods they had used in the prior year to provide the required documentation (e.g., income, address, identification) to determine program eligibility. They also were asked to rate the ease (on a scale of 1=very difficult to 4=very easy) with the method(s) they had used to share their personal information with WIC. Results are stratified by respondents' survey language (**Table 2a**) and self-reported race/ethnicity (**Table 2b**).

Table 2a. Experiences with WIC Enrollment or Recertification Documentation, by Survey Language¹

Table summary: Table 2a. lists survey participant experiences with WIC enrollment or recertification documentation in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole). The final column lists the total.

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Provided WIC with documentation of income, address and/or identification in prior 12 months, n (%) [B2]	34841 (80.3)	8633 (70.8)	223 (56.6)	33 (39.3)	43730 (78.0)
Method(s) of providing documents, ² n (%) [B3]					
Text ³ (n=20088)	5434 (35.6)	1772 (50.9)	42 (49.4)	5 (38.5)	7253 (38.5)
Fax ⁴ (n=21903)	919 (5.7)	533 (16.2)	8 (10.4)	1 (8.3)	1461 (7.5)
Email ⁵ (n=38108)	10407 (35.2)	2171 (38.7)	66 (36.7)	7 (38.9)	12651 (35.8)
U.S. mail ⁶ (n=26093)	2400 (12.5)	864 (21.8)	26 (23.4)	0 (0.0)	3290 (14.2)
Video ⁷ (n=9618)	260 (4.0)	159 (8.8)	0 (0.0)	0 (0.0)	419 (5.0)
Uploaded to WIC website, portal or app or online application ⁸ (n=25262)	8227 (43.6)	1676 (39.0)	37 (33.3)	4 (50.0)	9944 (42.7)
Provided in person at WIC site	29961 (86.9)	6379 (79.3)	183 (85.1)	21 (77.8)	36544 (85.4)
Drop box or drive through at WIC site ¹⁰ (n=5036)	158 (4.2)	278 (30.7)	2 (25.0)	1 (50.0)	439 (9.4)
Picked up by WIC staff ⁹ (n=3994)	256 (9.0)	621 (68.8)	6 (66.7)	2 (100.0)	885 (23.5)
Affidavit ¹¹ (n=14149)	646 (6.6)	957 (30.0)	18 (29.5)	1 (50.0)	1622 (12.4)
Providing documents not in-person ¹²	23591 (56.0)	123 (58.3)	18274 (54.0)	5180 (64.4)	14 (60.9)
Experience providing documents by:					
Text, ^{3,13} Mean (SD) (n=7253) [B4]	3.83 (0.05)	3.56 (0.27)	3.69 (0.34)	3.88 (0.25)	3.76 (0.49)
Very difficult, n (%)	24 (0.4)	7 (0.4)	0 (0.0)	0 (0.0)	31 (0.4)
Somewhat difficult, n (%)	83 (1.5)	34 (1.9)	1 (2.4)	0 (0.0)	118 (1.6)
Somewhat easy, n (%)	630 (11.6)	659 (37.3)	11 (26.2)	1 (20.0)	1301 (17.9)
Very easy, n (%)	4499 (82.8)	956 (54.1)	28 (66.7)	4 (80.0)	5487 (75.7)
Don't know/not sure, n (%)	198 (3.6)	112 (6.3)	2 (4.8)	0 (0.0)	312 (4.3)
Fax, ^{4,13} Mean (SD) (n=1461) [B4]	3.54 (0.18)	3.30 (0.28)	3.42 (0.80)	4.00 (0.0)	3.53 (0.73)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Very difficult, n (%)	22 (2.4)	12 (2.3)	0 (0.0)	0 (0.0)	34 (2.3)
Somewhat difficult, n (%)	51 (5.6)	31 (5.9)	1 (12.5)	0 (0.0)	83 (5.7)
Somewhat easy, n (%)	151 (16.5)	178 (33.7)	2 (25.0)	0 (0.0)	331 (22.8)
Very easy, n (%)	571 (62.3)	211 (40.0)	4 (50.0)	1 (100.0)	787 (54.1)
Don't know/not sure, n (%)	122 (13.3)	96 (18.2)	1 (12.5)	0 (0.0)	219 (15.1)
Email, ^{5,13} Mean (SD) (n=12651) [B4]	3.78 (0.05)	3.50 (0.25)	3.38 (0.70)	3.87 (0.30)	3.73 (0.54)
Very difficult, n (%)	58 (0.6)	18 (0.8)	0 (0.0)	0 (0.0)	76 (0.6)
Somewhat difficult, n (%)	185 (1.8)	85 (3.9)	5 (7.6)	0 (0.0)	275 (2.2)
Somewhat easy, n (%)	1561 (15.0)	871 (40.3)	20 (30.3)	2 (28.6)	2454 (19.4)
Very easy, n (%)	8196 (78.8)	1011 (46.7)	34 (51.5)	5 (71.4)	9246 (73.1)
Don't know/not sure, n (%)	406 (3.9)	178 (8.2)	7 (10.6)	0 (0.0)	591 (4.7)
U.S. mail, ^{6,13} Mean (SD) (n=3290) [B4]	3.63 (0.07)	3.25 (0.38)	3.56 (0.41)	0 (0.0)	3.59 (0.69)
Very difficult, n (%)	46 (1.9)	12 (1.4)	0 (0.0)	0 (0.0)	58 (1.8)
Somewhat difficult, n (%)	115 (4.8)	49 (5.7)	0 (0.0)	0 (0.0)	164 (5.0)
Somewhat easy, n (%)	399 (16.6)	341 (39.8)	14 (53.8)	0 (0.0)	754 (23.0)
Very easy, n (%)	1591 (66.3)	294 (34.3)	10 (38.5)	0 (0.0)	1895 (57.8)
Don't know/not sure, n (%)	247 (10.3)	160 (18.7)	2 (7.7)	0 (0.0)	409 (12.5)
Video, ^{7,13} Mean (SD) (n=419) [B4]	3.69 (0.13)	2.89 (0.94)	0 (0.0)	0 (0.0)	3.63 (0.59)
Very difficult, n (%)	5 (1.9)	2 (1.3)	0 (0.0)	0 (0.0)	7 (1.7)
Somewhat difficult, n (%)	1 (0.4)	7 (4.4)	0 (0.0)	0 (0.0)	8 (1.9)
Somewhat easy, n (%)	44 (16.9)	71 (44.7)	0 (0.0)	0 (0.0)	115 (27.4)
Very easy, n (%)	191 (73.5)	62 (39.0)	0 (0.0)	0 (0.0)	253 (60.4)
Don't know/not sure, n (%)	19 (7.3)	17 (10.7)	0 (0.0)	0 (0.0)	36 (8.6)
Uploading to WIC website, portal, app, or online application, ^{8,13} Mean (SD) (n=9944) [B4]	3.70 (0.09)	3.47 (0.20)	3.69 (0.47)	4.00 (0.00)	3.70 (0.55)
Very difficult, n (%)	42 (0.5)	17 (1.0)	0 (0.0)	0 (0.0)	59 (0.6)
Somewhat difficult, n (%)	255 (3.1)	58 (3.5)	2 (5.4)	0 (0.0)	315 (3.2)
Somewhat easy, n (%)	1625 (19.8)	650 (38.9)	5 (13.5)	0 (0.0)	2280 (22.9)
Very easy, n (%)	6108 (74.3)	844 (50.5)	28 (75.7)	4 (100.0)	6984 (70.3)
Don't know/not sure, n (%)	194 (2.4)	102 (6.1)	2 (5.4)	0 (0.0)	298 (3.0)
In person at WIC site, ^{12,13} Mean (SD) [B4]	3.86 (0.04)	3.57 (0.16)	3.47 (0.37)	3.48 (0.99)	3.82 (0.44)
Very difficult, n (%)	113 (0.4)	24 (0.4)	2 (1.1)	1 (4.8)	140 (0.4)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Somewhat difficult, n (%)	428 (1.4)	108 (1.7)	9 (4.9)	1 (4.8)	546 (1.5)
Somewhat easy, n (%)	2716 (9.1)	2422 (38.0)	39 (21.3)	3 (14.3)	5180 (14.2)
Very easy, n (%)	26422 (88.2)	3684 (57.9)	130 (71.0)	14 (66.7)	30250 (82.8)
Don't know/not sure, n (%)	278 (0.9)	129 (2.0)	3 (1.6)	2 (9.5)	412 (1.1)
Dropbox or drive through at WIC site, ^{10,13} Mean (SD) (n=439) [B4]	3.76 (0.09)	3.37 (0.27)	4.00 (0.00)	4.00 (0.00)	3.57 (0.59)
Very difficult, n (%)	0 (0.0)	2 (0.7)	0 (0.0)	0 (0.0)	2 (0.5)
Somewhat difficult, n (%)	2 (1.3)	9 (3.3)	0 (0.0)	0 (0.0)	11 (2.5)
Somewhat easy, n (%)	19 (12.0)	109 (39.6)	0 (0.0)	0 (0.0)	128 (29.4)
Very easy, n (%)	125 (79.1)	99 (36.0)	1 (50.0)	1 (100.0)	226 (51.8)
Don't know/not sure, n (%)	12 (7.6)	56 (20.4)	1 (50.0)	0 (0.0)	69 (15.8)
Picked up by WIC staff, ^{9,13} Mean (SD) (n=885) [B4]	3.92 (0.08)	3.55 (0.42)	2.50 (2.12)	4.00 (0.00)	3.61 (0.54)
Very difficult, n (%)	0 (0.0)	3 (0.5)	1 (16.7)	0 (0.0)	4 (0.5)
Somewhat difficult, n (%)	1 (0.4)	11 (1.8)	0 (0.0)	0 (0.0)	12 (1.4)
Somewhat easy, n (%)	14 (5.5)	256 (41.5)	0 (0.0)	0 (0.0)	270 (30.6)
Very easy, n (%)	229 (89.5)	319 (51.7)	5 (83.3)	2 (100.0)	555 (63.0)
Don't know/not sure, n (%)	12 (4.7)	28 (4.5)	0 (0.0)	0 (0.0)	40 (4.5)
Affidavit, ^{11,13} Mean (SD) (n=1622) [B4]	3.72 (0.12)	3.44 (0.09)	3.85 (0.30)	4.00 (0.00)	3.56 (0.61)
Very difficult, n (%)	7 (1.1)	9 (0.9)	0 (0.0)	0 (0.0)	16 (1.0)
Somewhat difficult, n (%)	18 (2.8)	25 (2.6)	1 (5.6)	0 (0.0)	44 (2.7)
Somewhat easy, n (%)	95 (14.7)	385 (40.4)	4 (22.2)	0 (0.0)	484 (30.0)
Very easy, n (%)	457 (70.9)	431 (45.3)	12 (66.7)	1 (100.0)	901 (55.8)
Don't know/not sure, n (%)	68 (10.5)	102 (10.7)	1 (5.6)	0 (0.0)	171 (10.6)
Any not in-person method, ^{12,13} Mean (SD)	3.76 (0.06)	3.51 (0.23)	3.54 (0.55)	3.93 (0.22)	3.7 (0.52)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Respondents could select all that apply. Only asked of respondents that said they provided documentation of their income, address and/or identification.
3. Response option only available to CO, CT, HI, ID, IL, KS, KY, MN, MT, NV, NH, NY, Pueblo of Isleta, UT, WCD, and WI WIC participants.
4. Response option only available CO, CT, ID, IL, KS, KY, MD, MN, MT, NV, NH, NY, SD, and WV WIC participants.
5. Response option not available to ME, NE, NM, Pueblo of Isleta, and UT WIC participants.
6. Response option not available to HI, ID, KY, LA, ME, NE, NM, OH, Pueblo of Isleta, UT, WCD, and WI WIC participants.
7. Response option only available to CO, IL, KS, NV, NC, and SD WIC participants.

8. Response option only available to HI, ID, KS, LA, MD, MN, NE, NM, NY, NC, Pueblo of Isleta, SD, WCD, and WI WIC participants. Response option for LA WIC participants was 'Uploaded to MyWIC website or app', response option for NM WIC participants was 'Uploaded to the myWIC app, through a link from the clinic, or through the website', response option for NY WIC participants was 'Uploaded to website'.
9. Response option only available to KS, MT, NC, and Pueblo of Isleta WIC participants.
10. Response option only available to ID, KS, MT, and NC WIC participants.
11. Must be completed when required documentation for certification is missing, with an indication for why it is missing. This can be done both in person or not in person at the WIC site. Response option only available to KY, MD, MI, NE, NV, NC, and VA.
12. Included text, fax, email, U.S. mail, uploaded to website, portal, app, or online application, picked up by WIC staff, drop-box or drive through at WIC site.
13. Only asked of respondents that said they provided documentation in this way. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4. Response option for KY WIC participants was 'Statement of No Proof'.

Table 2b. Experiences with WIC Enrollment or Recertification Documentation, by Race/Ethnicity¹

Table summary: Table 2b. lists survey participant experiences with WIC enrollment or recertification documentation in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Experience	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Provided WIC with documentation of income, address and/or identification in prior 12 months, n (%) [B2]	784 (76.4)	1345 (79.8)	6385 (80.3)	11442 (74.9)	258 (65.3)	220 (88.0)	17383 (79.7)	395 (70.9)	3277 (82.0)	2241 (72.5)	43730 (78.0)
Method(s) of providing documents, ² n (%) [B3]											
Text ³	154 (43.3)	352 (46.3)	584 (40.2)	2331 (44.2)	46 (40.7)	97 (50.3)	2639 (32.8)	86 (56.6)	584 (35.6)	380 (43.8)	7253 (38.5)
Fax ⁴	44 (13.1)	57 (9.1)	196 (9.2)	557 (11.3)	6 (5.6)	2 (4.3)	363 (4.2)	31 (18.6)	78 (4.9)	127 (14.1)	1461 (7.5)
Email ⁵	256 (44.8)	546 (50.0)	2153 (36.7)	3053 (39.0)	84 (37.0)	74 (58.3)	4626 (31.0)	147 (49.5)	1082 (39.5)	630 (37.5)	12651 (35.8)
U.S. mail ⁶	74 (19.8)	143 (18.7)	484 (15.0)	966 (16.8)	28 (15.8)	5 (10.6)	1098 (11.3)	63 (28.8)	228 (12.5)	201 (17.4)	3290 (14.2)
Video ⁷	13 (7.0)	19 (7.6)	57 (6.0)	188 (6.6)	3 (4.5)	1 (2.7)	71 (2.6)	10 (12.5)	29 (3.9)	28 (6.4)	419 (5.0)
Uploaded to WIC website, portal or app or online application ⁸	261 (47.3)	347 (45.2)	1900 (43.7)	2539 (43.7)	42 (43.3)	47 (50.5)	3447 (41.0)	80 (39.2)	850 (46.1)	431 (36.6)	9944 (42.7)
Provided in person at WIC site	675 (87.8)	1042 (80.9)	5783 (91.7)	8827 (80.8)	218 (87.2)	184 (84.0)	14965 (86.6)	317 (82.8)	2797 (86.0)	1736 (82.2)	36544 (85.4)
Drop box or drive through at WIC site ¹⁰	20 (17.4)	8 (14.0)	69 (13.6)	573 (51.9)	8 (40.0)	1 (33.3)	76 (5.5)	19 (48.7)	27 (8.9)	84 (37.7)	885 (23.5)
Picked up by WIC staff ⁹	8 (7.0)	2 (3.1)	38 (7.4)	259 (21.2)	2 (10.0)	0 (0.0)	65 (3.2)	8 (19.0)	13 (3.1)	44 (18.6)	439 (9.4)
Affidavit ¹¹	21 (20.2)	52 (12.3)	235 (9.1)	850 (21.7)	15 (14.2)	0 (0.0)	194 (4.8)	28 (18.2)	64 (7.0)	163 (19.7)	1622 (12.4)
Providing documents not in person ¹³	492 (65.3)	855 (66.4)	3441 (55.4)	6872 (63.3)	140 (55.6)	144 (67.0)	8267 (49.1)	247 (67.1)	1896 (58.9)	1237 (58.2)	23591 (56.0)
Experience providing documents by:											

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Text, ^{3,14} Mean (SD) (n=7253) [B4]	3.88 (0.11)	3.85 (0.13)	3.83 (0.26)	3.71 (0.13)	3.73 (0.35)	3.94 (0.08)	3.85 (0.08)	3.64 (0.37)	3.77 (0.20)	3.70 (0.29)	3.76 (0.49)
Very difficult, n (%)	0 (0.0)	0 (0.0)	3 (0.5)	9 (0.4)	0 (0.0)	1 (1.0)	9 (0.3)	1 (1.2)	6 (1.0)	2 (0.5)	31 (0.4)
Somewhat difficult, n (%)	4 (2.6)	4 (1.1)	4 (0.7)	35 (1.5)	1 (2.2)	0 (0.0)	46 (1.7)	5 (5.9)	8 (1.4)	11 (2.9)	118 (1.6)
Somewhat easy, n (%)	19 (12.3)	57 (16.2)	64 (11.0)	626 (26.9)	12 (26.1)	11 (11.3)	300 (11.4)	22 (25.9)	74 (12.7)	116 (30.5)	1301 (17.9)
Very easy, n (%)	126 (81.8)	280 (79.5)	496 (84.9)	1531 (65.7)	31 (67.4)	81 (83.5)	2182 (82.7)	52 (61.2)	472 (80.8)	236 (62.1)	5487 (75.7)
Don't know/not sure, n (%)	5 (3.2)	11 (3.1)	17 (2.9)	128 (5.5)	2 (4.3)	4 (4.1)	101 (3.8)	5 (5.9)	24 (4.1)	15 (3.9)	312 (4.3)
Fax, ^{4,14} Mean (SD) (n=1461) [B4]	3.81 (0.20)	3.28 (0.86)	3.59 (0.44)	3.39 (0.44)	2.50 (0.91)	3.50 (0.71)	3.52 (0.34)	3.63 (0.46)	3.48 (0.43)	3.49 (0.33)	3.53 (0.73)
Very difficult, n (%)	0 (0.0)	1 (1.8)	2 (1.0)	13 (2.4)	1 (16.7)	0 (0.0)	9 (2.5)	1 (3.2)	2 (2.6)	5 (4.0)	34 (2.3)
Somewhat difficult, n (%)	1 (2.3)	4 (7.0)	10 (5.1)	32 (5.8)	2 (33.3)	0 (0.0)	20 (5.5)	1 (3.2)	7 (9.0)	6 (4.8)	83 (5.7)
Somewhat easy, n (%)	7 (15.9)	14 (24.6)	27 (13.8)	165 (29.9)	2 (33.3)	1 (50.0)	57 (15.7)	7 (22.6)	13 (16.7)	38 (30.2)	331 (22.8)
Very easy, n (%)	31 (70.5)	27 (47.4)	117 (60.0)	262 (47.5)	1 (16.7)	1 (50.0)	237 (65.3)	14 (45.2)	49 (62.8)	48 (38.1)	787 (54.1)
Don't know/not sure, n (%)	5 (11.4)	11 (19.3)	39 (20.0)	80 (14.5)	0 (0.0)	0 (0.0)	40 (11.0)	8 (25.8)	7 (9.0)	29 (23.0)	219 (15.1)
Email, ^{5,14} Mean (SD) (n=12651) [B4]	3.76 (0.25)	3.77 (0.18)	3.83 (0.13)	3.67 (0.16)	3.60 (0.65)	3.90 (0.16)	3.77 (0.06)	3.67 (0.35)	3.76 (0.09)	3.60 (0.18)	3.73 (0.54)
Very difficult, n (%)	1 (0.4)	4 (0.7)	18 (0.8)	22 (0.7)	0 (0.0)	0 (0.0)	18 (0.4)	1 (0.7)	7 (0.6)	5 (0.8)	76 (0.6)
Somewhat difficult, n (%)	4 (1.6)	13 (2.4)	32 (1.5)	92 (3.0)	3 (3.6)	0 (0.0)	78 (1.7)	4 (2.7)	25 (2.3)	24 (3.8)	275 (2.2)
Somewhat easy, n (%)	44 (17.2)	90 (16.5)	251 (11.7)	869 (28.5)	20 (23.8)	9 (12.2)	775 (16.8)	37 (25.3)	169 (15.6)	190 (30.3)	2454 (19.4)
Very easy, n (%)	195 (76.2)	419 (76.9)	1751 (81.3)	1885 (61.8)	56 (66.7)	64 (86.5)	3586 (77.5)	96 (65.8)	840 (77.6)	354 (56.4)	9246 (73.1)
Don't know/not sure, n (%)	12 (4.7)	19 (3.5)	101 (4.7)	180 (5.9)	5 (6.0)	1 (1.4)	169 (3.7)	8 (5.5)	41 (3.8)	55 (8.8)	591 (4.7)
U.S. mail, ^{6,14} Mean (SD) (n=3290) [B4]	3.68 (0.30)	3.46 (0.36)	3.72 (0.24)	3.45 (0.20)	3.73 (0.34)	3.83 (0.29)	3.65 (0.16)	3.66 (0.41)	3.47 (0.24)	3.46 (0.33)	3.59 (0.69)
Very difficult, n (%)	1 (1.4)	6 (4.2)	7 (1.4)	11 (1.1)	0 (0.0)	0 (0.0)	17 (1.5)	0 (0.0)	8 (3.5)	8 (4.0)	58 (1.8)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Somewhat difficult, n (%)	2 (2.7)	7 (4.9)	17 (3.5)	63 (6.6)	1 (3.6)	0 (0.0)	51 (4.6)	2 (3.2)	16 (7.0)	5 (2.5)	164 (5.0)
Somewhat easy, n (%)	16 (21.6)	38 (26.8)	55 (11.4)	299 (31.2)	7 (25.0)	1 (20.0)	195 (17.8)	25 (39.7)	42 (18.4)	76 (38.0)	754 (23.0)
Very easy, n (%)	47 (63.5)	75 (52.8)	354 (73.3)	417 (43.5)	17 (60.7)	3 (60.0)	735 (66.9)	26 (41.3)	135 (59.2)	86 (43.0)	1895 (57.8)
Don't know/not sure, n (%)	8 (10.8)	16 (11.3)	50 (10.4)	169 (17.6)	3 (10.7)	1 (20.0)	100 (9.1)	10 (15.9)	27 (11.8)	25 (12.5)	409 (12.5)
Video, ^{7,14} Mean (SD) (n=419) [B4]	3.37 (0.62)	3.72 (0.33)	3.46 (0.37)	3.05 (1.01)	3.50 (0.00)	4.00 (0.00)	3.65 (0.32)	3.78 (0.25)	3.84 (0.20)	3.67 (0.35)	3.63 (0.59)
Very difficult, n (%)	1 (7.7)	1 (5.3)	1 (1.8)	2 (1.1)	0 (0.0)	0 (0.0)	1 (1.4)	0 (0.0)	0 (0.0)	1 (3.6)	7 (1.7)
Somewhat difficult, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	8 (4.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	8 (1.9)
Somewhat easy, n (%)	3 (23.1)	2 (10.5)	12 (21.1)	68 (36.2)	1 (33.3)	0 (0.0)	13 (18.3)	2 (20.0)	4 (13.8)	10 (35.7)	115 (27.4)
Very easy, n (%)	8 (61.5)	14 (73.7)	41 (71.9)	92 (48.9)	1 (33.3)	1 (100.0)	50 (70.4)	7 (70.0)	23 (79.3)	16 (57.1)	253 (60.4)
Don't know/not sure, n (%)	1 (7.7)	2 (10.5)	3 (5.3)	18 (9.6)	1 (33.3)	0 (0.0)	7 (9.9)	1 (10.0)	2 (6.9)	1 (3.6)	36 (8.6)
Uploading to WIC website, portal, app, or online application, ^{8,14} Mean (SD) (n=9944) [B4]	3.66 (0.08)	3.68 (0.11)	3.76 (0.17)	3.61 (0.19)	3.39 (0.97)	3.56 (0.79)	3.68 (0.13)	3.46 (0.23)	3.69 (0.13)	3.59 (0.18)	3.7 (0.55)
Very difficult, n (%)	1 (0.4)	1 (0.3)	8 (0.4)	18 (0.7)	1 (2.4)	0 (0.0)	19 (0.6)	0 (0.0)	5 (0.6)	6 (1.4)	59 (0.6)
Somewhat difficult, n (%)	10 (3.8)	9 (2.6)	32 (1.7)	78 (3.1)	2 (4.8)	3 (6.4)	128 (3.7)	3 (3.8)	29 (3.4)	21 (4.9)	315 (3.2)
Somewhat easy, n (%)	64 (24.5)	87 (25.1)	254 (13.4)	743 (29.3)	8 (19.0)	8 (17.0)	770 (22.3)	25 (31.2)	194 (22.8)	127 (29.5)	2280 (22.9)
Very easy, n (%)	181 (69.3)	242 (69.7)	1560 (82.2)	1587 (62.6)	29 (69.0)	35 (74.5)	2455 (71.2)	46 (57.5)	600 (70.6)	249 (57.9)	6984 (70.3)
Don't know/not sure, n (%)	5 (1.9)	8 (2.3)	43 (2.3)	109 (4.3)	2 (4.8)	1 (2.1)	75 (2.2)	6 (7.5)	22 (2.6)	27 (6.3)	298 (3.0)
In person at WIC site, ^{12,14} Mean (SD) [B4]	3.87 (0.08)	3.79 (0.14)	3.84 (0.11)	3.73 (0.12)	3.80 (0.24)	3.93 (0.11)	3.86 (0.05)	3.73 (0.20)	3.85 (0.07)	3.71 (0.13)	3.82 (0.44)
Very difficult, n (%)	6 (0.9)	7 (0.7)	18 (0.3)	37 (0.4)	3 (1.4)	3 (1.6)	43 (0.3)	2 (0.6)	11 (0.4)	10 (0.6)	140 (0.4)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Somewhat difficult, n (%)	5 (0.7)	19 (1.8)	47 (0.8)	139 (1.6)	8 (3.7)	5 (2.7)	211 (1.4)	8 (2.5)	58 (2.1)	46 (2.7)	546 (1.5)
Somewhat easy, n (%)	65 (9.6)	175 (16.8)	418 (7.2)	2331 (26.4)	32 (14.7)	13 (7.1)	1364 (9.1)	71 (22.5)	271 (9.7)	440 (25.4)	5180 (14.2)
Very easy, n (%)	588 (87.1)	825 (79.2)	5250 (90.8)	6182 (70.1)	170 (78.0)	161 (87.5)	13215 (88.3)	226 (71.5)	2427 (86.8)	1206 (69.6)	30250 (82.8)
Don't know/not sure, n (%)	11 (1.6)	16 (1.5)	48 (0.8)	129 (1.5)	5 (2.3)	2 (1.1)	131 (0.9)	9 (2.8)	30 (1.1)	31 (1.8)	412 (1.1)
Dropbox or drive through at WIC site, ^{10,14} Mean (SD) (n=439) [B4]	3.45 (0.07)	0 (0.0)	3.85 (0.00)	3.67 (0.25)	4.00 (0.00)	0 (0.0)	3.78 (0.19)	3.58 (0.12)	3.46 (0.45)	3.33 (0.33)	3.57 (0.59)
Very difficult, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.5)
Somewhat difficult, n (%)	1 (12.5)	0 (0.0)	0 (0.0)	6 (2.3)	0 (0.0)	0 (0.0)	1 (1.5)	0 (0.0)	0 (0.0)	3 (6.8)	11 (2.5)
Somewhat easy, n (%)	2 (25.0)	0 (0.0)	5 (13.2)	93 (36.3)	0 (0.0)	0 (0.0)	6 (9.2)	3 (37.5)	3 (23.1)	16 (36.4)	128 (29.4)
Very easy, n (%)	4 (50.0)	0 (0.0)	29 (76.3)	111 (43.4)	1 (50.0)	0 (0.0)	53 (81.5)	5 (62.5)	9 (69.2)	14 (31.8)	226 (51.8)
Don't know/not sure, n (%)	1 (12.5)	2 (100.0)	4 (10.5)	44 (17.2)	1 (50.0)	0 (0.0)	5 (7.7)	0 (0.0)	1 (7.7)	11 (25.0)	69 (15.8)
Picked up by WIC staff, ^{9,14} Mean (SD) (n=885) [B4]	3.79 (0.25)	3.90 (0.14)	3.98 (0.03)	3.69 (0.23)	3.00 (1.73)	3.00 (0.00)	3.93 (0.06)	3.54 (0.06)	3.90 (0.18)	3.81 (0.32)	3.61 (0.54)
Very difficult, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	3 (0.5)	1 (12.5)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	4 (0.5)
Somewhat difficult, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	9 (1.6)	0 (0.0)	0 (0.0)	1 (1.3)	0 (0.0)	1 (3.7)	1 (1.2)	12 (1.4)
Somewhat easy, n (%)	3 (15.0)	1 (12.5)	3 (4.3)	209 (36.7)	0 (0.0)	1 (100.0)	4 (5.3)	8 (42.1)	3 (11.1)	38 (45.2)	270 (30.6)
Very easy, n (%)	15 (75.0)	5 (62.5)	63 (91.3)	322 (56.6)	7 (87.5)	0 (0.0)	68 (89.5)	11 (57.9)	23 (85.2)	41 (48.8)	555 (63.0)
Don't know/not sure, n (%)	2 (10.0)	2 (25.0)	3 (4.3)	26 (4.6)	0 (0.0)	0 (0.0)	3 (3.9)	0 (0.0)	0 (0.0)	4 (4.8)	40 (4.5)
Affidavit, ^{11,14} Mean (SD) (n=1622) [B4]	3.84 (0.24)	3.37 (0.30)	3.75 (0.12)	3.47 (0.14)	3.92 (0.17)	0 (0.0)	3.81 (0.07)	3.51 (0.49)	3.62 (0.24)	3.34 (0.23)	3.56 (0.61)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Very difficult, n (%)	0 (0.0)	2 (3.8)	2 (0.9)	6 (0.7)	0 (0.0)	0 (0.0)	2 (1.0)	0 (0.0)	0 (0.0)	4 (2.5)	16 (1.0)
Somewhat difficult, n (%)	1 (4.8)	2 (3.8)	3 (1.3)	23 (2.7)	0 (0.0)	0 (0.0)	4 (2.1)	2 (7.1)	2 (3.1)	7 (4.3)	44 (2.7)
Somewhat easy, n (%)	5 (23.8)	16 (30.8)	28 (12.0)	328 (38.8)	3 (20.0)	0 (0.0)	21 (10.8)	4 (14.3)	17 (26.6)	62 (38.0)	484 (30.0)
Very easy, n (%)	14 (66.7)	29 (55.8)	176 (75.2)	402 (47.6)	12 (80.0)	0 (0.0)	144 (74.2)	17 (60.7)	38 (59.4)	69 (42.3)	901 (55.8)
Don't know/not sure, n (%)	1 (4.8)	3 (5.8)	25 (10.7)	86 (10.2)	0 (0.0)	0 (0.0)	23 (11.9)	5 (17.9)	7 (10.9)	21 (12.9)	171 (10.6)
Any not in-person method, ^{13,14} Mean (SD)	3.76 (0.20)	3.73 (0.13)	3.79 (0.11)	3.63 (0.14)	3.60 (0.42)	3.76 (0.51)	3.75 (0.08)	3.56 (0.33)	3.73 (0.10)	3.60 (0.17)	3.7 (0.52)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Respondents could select all that apply. Only asked of respondents that said they provided documentation of their income, address and/or identification.
3. Response option only available to CO, CT, HI, ID, IL, KS, KY, MN, MT, NV, NH, NY, Pueblo of Isleta, UT, WCD, and WI WIC participants
4. Response option only available CO, CT, ID, IL, KS, KY, MD, MN, MT, NV, NH, NY, SD, and WV WIC participants
5. Response option not available to ME, NE, NM, Pueblo of Isleta, and UT WIC participants.
6. Response option not available to HI, ID, KY, LA, ME, NE, NM, OH, Pueblo of Isleta, UT, WCD, and WI WIC participants.
7. Response option only available to CO, IL, KS, NV, NC, and SD WIC participants.
8. Response option only available to HI, ID, KS, LA, MD, MN, NE, NM, NY, NC, Pueblo of Isleta, SD, WCD, and WI WIC participants. Response option for LA WIC participants was 'Uploaded to MyWIC website or app', response option for NM WIC participants was 'Uploaded to the myWIC app, through a link from the clinic, or through the website', response option for NY WIC participants was 'Uploaded to website'.
9. Response option only available to KS, MT, NC and Pueblo of Isleta WIC participants.
10. Response option only available to ID, KS, MT, and NC WIC participants.
11. Must be completed when required documentation for certification is missing, with an indication for why it is missing. This can be done both in person or not in person at the WIC site. Response option only available to KY, MD, MI, NE, NV, NC, and VA.
12. Included providing in person at WIC site only.
13. Included text, fax, email, U.S. mail, uploaded to website, portal, app, or online application, picked up by WIC staff, drop-box or drive through at WIC site.
14. Only asked of respondents that said they provided documentation in this way. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4. Response option for KY WIC participants was 'Statement of No Proof'.

Appointments, Nutrition Education, and Breastfeeding Support

Survey respondents were asked about their experience and ease (on a scale of 1=very difficult to 4=very easy) scheduling WIC appointments, and ways in which they had received nutrition education and other services and interactions with WIC in the past year. They also were asked about their satisfaction with each method of interaction (on a scale of 1=very unsatisfied to 4=very satisfied). Respondents were asked about challenges they experienced with WIC services, and their satisfaction with the nutrition education and customer service they received from WIC. They were also asked about the breastfeeding support they received from WIC and how satisfied they were, overall, with the support. Finally, respondents were asked for reasons they participate in the WIC program and the extent to which they changed how they feed themselves and/or their family because of something they learned from WIC. Results are stratified by respondents' survey language (**Table 3a**) and self-reported race/ethnicity (**Table 3b**).

Table 3a. Experiences with Appointments, Nutrition Education, Breastfeeding Support and Other WIC Interactions, by Survey Language¹

Table summary: Table 3a. lists survey participant experiences with WIC appointments, nutrition education, breastfeeding support and other WIC interactions in the first column followed by in columns by survey language (English, Spanish, Arabic, Haitian Creole) and a column for total.

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Methods used to schedule WIC appointments in the past 12 months, n (%) [C1]					
In-person	30332 (71.1)	7869 (71.5)	271 (71.1)	54 (78.3)	38526 (71.2)
Telephone ^{1,2}	37509 (87.1)	9791 (83.7)	326 (84.2)	56 (82.4)	47682 (86.3)
Text ^{1,3}	8260 (35.1)	2719 (46.3)	121 (54.8)	19 (44.2)	11119 (37.5)
Email ^{1,4}	4347 (14.4)	1641 (20.8)	66 (23.2)	16 (32.0)	6070 (15.8)
Website/Portal ^{1,5}	3973 (16.7)	1259 (18.0)	77 (28.6)	11 (32.4)	5320 (17.1)
WIC app ^{1,6}	4341 (31.0)	801 (37.7)	75 (45.7)	2 (50.0)	5219 (32.0)
None of the above ⁷	131 (0.3)	42 (0.3)	3 (0.8)	2 (2.5)	178 (0.3)
Any method not in-person ⁸	39483 (91.4)	10370 (87.5)	347 (89.0)	60 (83.3)	50260 (90.6)
Experience scheduling WIC appointments: [C2]					
In-person, ⁹ Mean (SD) (n=38526)	3.88 (0.06)	3.61 (0.19)	3.62 (0.29)	3.47 (0.57)	3.84 (0.43)
Very difficult, n (%)	150 (0.5)	36 (0.5)	1 (0.4)	1 (1.9)	188 (0.5)
Somewhat difficult, n (%)	416 (1.4)	124 (1.6)	9 (3.3)	5 (9.3)	554 (1.4)
Somewhat easy, n (%)	1930 (6.4)	2817 (35.8)	61 (22.5)	14 (25.9)	4822 (12.5)
Very easy, n (%)	27688 (91.3)	4840 (61.6)	199 (73.4)	34 (63.0)	32761 (85.1)
Don't know/not sure, n (%)	144 (0.5)	44 (0.6)	1 (0.4)	0 (0.0)	189 (0.5)
Telephone, ⁹ Mean (SD) (n=47682)	3.78 (0.10)	3.50 (0.19)	3.71 (0.29)	3.65 (0.49)	3.72 (0.6)
Very difficult, n (%)	618 (1.6)	112 (1.1)	3 (0.9)	1 (1.8)	734 (1.5)
Somewhat difficult, n (%)	1146 (3.1)	316 (3.2)	13 (4.0)	5 (8.9)	1480 (3.1)
Somewhat easy, n (%)	4261 (11.4)	3641 (37.3)	72 (22.1)	8 (14.3)	7982 (16.8)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Very easy, n (%)	31296 (83.5)	5598 (57.3)	233 (71.5)	41 (73.2)	37168 (78.0)
Don't know/not sure, n (%)	178 (0.5)	95 (1.0)	5 (1.5)	1 (1.8)	279 (0.6)
Text, ⁹ Mean (SD) (n=11119)	3.82 (0.05)	3.48 (0.20)	3.76 (0.20)	3.91 (0.19)	3.74 (0.53)
Very difficult, n (%)	69 (0.8)	14 (0.5)	4 (3.3)	0 (0.0)	87 (0.8)
Somewhat difficult, n (%)	154 (1.9)	66 (2.4)	2 (1.7)	1 (5.3)	223 (2.0)
Somewhat easy, n (%)	875 (10.6)	1093 (40.4)	21 (17.5)	1 (5.3)	1990 (17.9)
Very easy, n (%)	6640 (80.5)	1332 (49.3)	65 (54.2)	15 (78.9)	8052 (72.6)
Don't know/not sure, n (%)	515 (6.2)	199 (7.4)	28 (23.3)	2 (10.5)	744 (6.7)
Email, ⁹ Mean (SD) (n=6070)	3.79 (0.10)	3.38 (0.28)	3.54 (0.45)	3.88 (0.35)	3.69 (0.6)
Very difficult, n (%)	47 (1.1)	23 (1.4)	1 (1.5)	1 (6.2)	72 (1.2)
Somewhat difficult, n (%)	120 (2.8)	69 (4.2)	2 (3.0)	0 (0.0)	191 (3.2)
Somewhat easy, n (%)	504 (11.6)	600 (36.8)	10 (15.2)	0 (0.0)	1114 (18.4)
Very easy, n (%)	3310 (76.2)	747 (45.8)	43 (65.2)	14 (87.5)	4114 (67.9)
Don't know/not sure, n (%)	362 (8.3)	191 (11.7)	10 (15.2)	1 (6.2)	564 (9.3)
Website/Portal, ⁹ Mean (SD) (n=5320)	3.72 (0.14)	3.40 (0.18)	3.54 (0.42)	3.88 (0.25)	3.72 (0.58)
Very difficult, n (%)	45 (1.1)	20 (1.6)	1 (1.3)	0 (0.0)	66 (1.2)
Somewhat difficult, n (%)	119 (3.0)	64 (5.1)	7 (9.1)	0 (0.0)	190 (3.6)
Somewhat easy, n (%)	488 (12.3)	435 (34.7)	16 (20.8)	1 (9.1)	940 (17.7)
Very easy, n (%)	3080 (77.6)	612 (48.8)	42 (54.5)	7 (63.6)	3741 (70.4)
Don't know/not sure, n (%)	238 (6.0)	124 (9.9)	11 (14.3)	3 (27.3)	376 (7.1)
WIC app, ⁹ Mean (SD) (n=5219)	3.76 (0.12)	3.43 (0.19)	3.51 (0.45)	4.00 (0.0)	3.78 (0.51)
Very difficult, n (%)	33 (0.8)	12 (1.5)	0 (0.0)	0 (0.0)	45 (0.9)
Somewhat difficult, n (%)	129 (3.0)	19 (2.4)	2 (2.7)	0 (0.0)	150 (2.9)
Somewhat easy, n (%)	463 (10.7)	264 (33.0)	19 (25.3)	0 (0.0)	746 (14.3)
Very easy, n (%)	3434 (79.2)	423 (52.9)	46 (61.3)	2 (100.0)	3905 (74.9)
Don't know/not sure, n (%)	279 (6.4)	82 (10.2)	8 (10.7)	0 (0.0)	369 (7.1)
Not in-person, ^{8,9} Mean (SD)	3.78 (0.10)	3.50 (0.16)	3.64 (0.27)	3.71 (0.44)	3.72 (0.57)
Method(s) of interaction in past 12 months, n (%) [C3]					
At the WIC site one-on-one with WIC staff	36907 (85.6)	10236 (86.9)	308 (79.2)	60 (76.9)	47511 (85.8)
Group classes at the WIC site ¹⁰ (n=45592)	4078 (12.3)	2576 (24.5)	46 (13.3)	19 (27.9)	6719 (15.2)
Curbside visit to the WIC site ¹¹ (n=1938)	90 (5.2)	60 (37.0)	0 (0.0)	1 (100.0)	151 (7.9)
Over the phone with WIC staff (n=56082)	35426 (82.2)	9850 (84.1)	305 (79.4)	56 (76.7)	45637 (82.6)
Video call (e.g., Zoom) one-on-one with WIC staff ¹² (n=45922)	2580 (7.5)	1630 (16.8)	20 (7.4)	17 (27.0)	4247 (9.5)
Group classes through a video call/webinar ¹³ (n=42225)	2557 (8.3)	1476 (14.9)	26 (8.1)	10 (16.1)	4069 (9.9)
Self-paced nutrition education through an online platform ¹⁴ (n=55397)	15358 (36.4)	4616 (40.8)	122 (33.0)	28 (42.4)	20124 (37.3)
Two-way texting ¹⁵ (n=27452)	7213 (36.7)	3638 (53.6)	47 (37.6)	10 (35.7)	10908 (41.1)
None of the above ⁷	267 (0.6)	48 (0.4)	5 (1.3)	1 (1.2)	321 (0.6)
In-person ¹⁶	37230 (86.3)	10423 (88.1)	314 (80.5)	62 (78.5)	48029 (86.6)
Not in-person ¹⁷	38381 (88.9)	10632 (89.7)	328 (85.4)	63 (81.8)	49404 (89.1)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Satisfaction with WIC services (average score and distribution) ¹⁸ [C4]					
At the WIC site one-on-one with WIC staff, ¹⁹ Mean (SD)	3.85 (0.06)	3.92 (0.05)	3.74 (0.28)	3.81 (0.33)	3.88 (0.41)
Very unsatisfied, n (%)	261 (0.7)	37 (0.4)	0 (0.0)	2 (3.3)	300 (0.6)
Somewhat unsatisfied, n (%)	579 (1.6)	92 (0.9)	6 (2.0)	0 (0.0)	677 (1.4)
Somewhat satisfied, n (%)	3473 (9.4)	699 (6.8)	39 (12.7)	5 (8.3)	4216 (8.9)
Very satisfied, n (%)	32440 (87.9)	9334 (91.3)	262 (85.3)	52 (86.7)	42088 (88.6)
Don't know/not sure, n (%)	137 (0.4)	61 (0.6)	0 (0.0)	1 (1.7)	199 (0.4)
Group classes at the WIC site, ^{10,19} Mean (SD) (n=6719)	3.87 (0.05)	3.90 (0.07)	3.93 (0.13)	3.85 (0.35)	3.88 (0.38)
Very unsatisfied, n (%)	14 (0.3)	7 (0.3)	0 (0.0)	0 (0.0)	21 (0.3)
Somewhat unsatisfied, n (%)	47 (1.2)	18 (0.7)	0 (0.0)	1 (5.3)	66 (1.0)
Somewhat satisfied, n (%)	369 (9.1)	199 (7.8)	7 (15.6)	2 (10.5)	577 (8.7)
Very satisfied, n (%)	3386 (83.5)	2162 (85.2)	31 (68.9)	15 (78.9)	5594 (84.0)
Don't know/not sure, n (%)	239 (5.9)	153 (6.0)	7 (15.6)	1 (5.3)	400 (6.0)
Curbside visit to the WIC site, ^{11,19} Mean (SD) (n=151)	3.91 (0.12)	3.96 (0.07)	0 (0.0)	4.00 (0.0)	3.86 (0.43)
Very unsatisfied, n (%)	1 (1.1)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.7)
Somewhat unsatisfied, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Somewhat satisfied, n (%)	4 (4.4)	7 (11.7)	0 (0.0)	0 (0.0)	11 (7.3)
Very satisfied, n (%)	81 (90.0)	52 (86.7)	0 (0.0)	1 (100.0)	134 (88.7)
Don't know/not sure, n (%)	4 (4.4)	1 (1.7)	0 (0.0)	0 (0.0)	5 (3.3)
Over the phone with WIC staff, ¹⁹ Mean (SD)	3.84 (0.06)	3.91 (0.06)	3.81 (0.29)	3.92 (0.18)	3.86 (0.43)
Very unsatisfied, n (%)	306 (0.9)	27 (0.3)	0 (0.0)	0 (0.0)	333 (0.7)
Somewhat unsatisfied, n (%)	582 (1.6)	86 (0.9)	1 (0.3)	1 (1.9)	670 (1.5)
Somewhat satisfied, n (%)	3375 (9.5)	804 (8.2)	33 (10.9)	3 (5.6)	4215 (9.3)
Very satisfied, n (%)	30984 (87.6)	8792 (90.2)	268 (88.4)	50 (92.6)	40094 (88.2)
Don't know/not sure, n (%)	114 (0.3)	42 (0.4)	1 (0.3)	0 (0.0)	157 (0.3)
Video call (e.g., Zoom) one-on-one with WIC staff, ^{12,19} Mean (SD) (n=4247)	3.90 (0.07)	3.88 (0.09)	3.91 (0.24)	4.00 (0.00)	3.9 (0.36)
Very unsatisfied, n (%)	13 (0.5)	4 (0.3)	1 (5.3)	0 (0.0)	18 (0.4)
Somewhat unsatisfied, n (%)	19 (0.7)	13 (0.8)	0 (0.0)	0 (0.0)	32 (0.8)
Somewhat satisfied, n (%)	190 (7.4)	106 (6.7)	2 (10.5)	0 (0.0)	298 (7.1)
Very satisfied, n (%)	2236 (87.4)	1341 (85.1)	15 (78.9)	14 (93.3)	3606 (86.5)
Don't know/not sure, n (%)	101 (3.9)	111 (7.0)	1 (5.3)	1 (6.7)	214 (5.1)
Group classes through a video call/webinar, ^{13,19} Mean (SD) (n=4069)	3.89 (0.05)	3.84 (0.13)	3.87 (0.22)	4.00 (0.00)	3.9 (0.36)
Very unsatisfied, n (%)	11 (0.4)	5 (0.3)	0 (0.0)	0 (0.0)	16 (0.4)
Somewhat unsatisfied, n (%)	22 (0.9)	8 (0.6)	0 (0.0)	0 (0.0)	30 (0.7)
Somewhat satisfied, n (%)	188 (7.4)	108 (7.5)	2 (8.3)	0 (0.0)	298 (7.4)
Very satisfied, n (%)	2200 (86.8)	1257 (87.2)	21 (87.5)	10 (100.0)	3488 (87.0)
Don't know/not sure, n (%)	115 (4.5)	63 (4.4)	1 (4.2)	0 (0.0)	179 (4.5)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Self-paced nutrition education through an online platform, ^{14,19} Mean (SD) (n=20124)	3.82 (0.06)	3.88 (0.13)	3.71 (0.33)	3.97 (0.10)	3.86 (0.4)
Very unsatisfied, n (%)	79 (0.5)	10 (0.2)	0 (0.0)	0 (0.0)	89 (0.4)
Somewhat unsatisfied, n (%)	224 (1.5)	25 (0.5)	0 (0.0)	1 (3.8)	250 (1.2)
Somewhat satisfied, n (%)	1753 (11.4)	376 (8.3)	27 (22.7)	0 (0.0)	2156 (10.8)
Very satisfied, n (%)	13094 (85.5)	4012 (88.3)	90 (75.6)	25 (96.2)	17221 (86.1)
Don't know/not sure, n (%)	170 (1.1)	123 (2.7)	2 (1.7)	0 (0.0)	295 (1.5)
Two-way texting, ^{15,19} Mean (SD) (n=10908)	3.88 (0.03)	3.90 (0.09)	3.95 (0.07)	4.00 (0.00)	3.9 (0.36)
Very unsatisfied, n (%)	38 (0.5)	2 (0.1)	0 (0.0)	0 (0.0)	40 (0.4)
Somewhat unsatisfied, n (%)	66 (0.9)	20 (0.6)	0 (0.0)	0 (0.0)	86 (0.8)
Somewhat satisfied, n (%)	580 (8.1)	280 (7.8)	3 (6.4)	0 (0.0)	863 (8.0)
Very satisfied, n (%)	6427 (89.5)	3222 (89.9)	44 (93.6)	10 (100.0)	9703 (89.7)
Don't know/not sure, n (%)	71 (1.0)	58 (1.6)	0 (0.0)	0 (0.0)	129 (1.2)
In-person, ¹⁶ Mean (SD)	3.85 (0.05)	3.92 (0.05)	3.74 (0.28)	3.82 (0.25)	3.87 (0.4)
Not in-person, ¹⁷ Mean (SD)	3.84 (0.05)	3.90 (0.06)	3.77 (0.28)	3.94 (0.14)	3.85 (0.41)
Challenges with WIC services, n (%) [C5]					
None of these	34434 (79.4)	8831 (72.7)	334 (84.6)	50 (59.5)	43649 (78.0)
WIC appointments hard to fit in busy schedule	5008 (11.6)	623 (5.1)	17 (4.3)	5 (6.0)	5653 (10.1)
WIC site not located in area that is easy to get to	1900 (4.4)	531 (4.4)	7 (1.8)	4 (4.8)	2442 (4.4)
Have limited access to technology	724 (1.7)	680 (5.6)	3 (0.8)	6 (7.1)	1413 (2.5)
Technology that WIC uses not easy to use	632 (1.5)	287 (2.4)	6 (1.5)	0 (0.0)	925 (1.7)
Information that WIC provides not in preferred language	153 (0.4)	189 (1.6)	10 (2.5)	1 (1.2)	353 (0.6)
Staff reschedule, arrive late to or miss appointments, or schedule them without checking participant's availability	160 (0.4)	8 (0.1)	0 (0.0)	0 (0.0)	168 (0.3)
Challenges at the WIC site (e.g., crowded, understaffed, long wait, hard to bring in children)	112 (0.3)	6 (0.0)	2 (0.5)	0 (0.0)	120 (0.2)
Hard to contact WIC office by phone, don't answer calls, long wait times, don't return calls	360 (0.8)	29 (0.2)	0 (0.0)	0 (0.0)	389 (0.7)
Hard to remember appointments, no reminders	26 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	26 (0.0)
Negative WIC shopping experiences, issues shopping with WIC app	230 (0.5)	12 (0.1)	2 (0.5)	0 (0.0)	244 (0.4)
Challenges with WIC food package (e.g., food allergies, dietary preferences, amount)	123 (0.3)	3 (0.0)	0 (0.0)	0 (0.0)	126 (0.2)
Transportation difficulty (to WIC clinic and/or stores)	120 (0.3)	13 (0.1)	0 (0.0)	0 (0.0)	133 (0.2)
Challenges with benefits being delayed/paused/changed	83 (0.2)	10 (0.1)	1 (0.3)	1 (1.2)	95 (0.2)
Problems with WIC website, app, or text messages (e.g. needs improvement, doesn't work, can't login)	145 (0.3)	7 (0.1)	0 (0.0)	1 (1.2)	153 (0.3)
Issues with WIC staff (e.g. rude, made inappropriate comments)	130 (0.3)	12 (0.1)	0 (0.0)	1 (1.2)	143 (0.3)
Hard to find out about all the services that WIC offers	9 (0.0)	2 (0.0)	0 (0.0)	0 (0.0)	11 (0.0)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Challenges with eligibility	7 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	8 (0.0)
Other	268 (0.6)	107 (0.9)	3 (0.8)	0 (0.0)	378 (0.7)
Prefer not to answer	612 (1.4)	1182 (9.7)	17 (4.3)	17 (20.2)	1828 (3.3)
Overall satisfaction with nutrition education from WIC, ¹⁹ Mean (SD) [C6]	3.75 (0.08)	3.86 (0.07)	3.44 (0.51)	3.77 (0.27)	3.80 (0.48)
Very unsatisfied, n (%)	380 (0.9)	31 (0.3)	1 (0.3)	0 (0.0)	412 (0.7)
Somewhat unsatisfied, n (%)	980 (2.3)	105 (0.9)	15 (3.8)	2 (2.4)	1102 (2.0)
Somewhat satisfied, n (%)	7131 (16.4)	1250 (10.2)	108 (27.5)	15 (18.1)	8504 (15.2)
Very satisfied, n (%)	33891 (78.2)	10633 (87.1)	265 (67.4)	63 (75.9)	44852 (80.0)
Don't know/not sure, n (%)	983 (2.3)	187 (1.5)	4 (1.0)	3 (3.6)	1177 (2.1)
Overall satisfaction with customer service from WIC, ¹⁹ Mean (SD) [C7]	3.81 (0.08)	3.89 (0.06)	3.76 (0.29)	3.79 (0.31)	3.84 (0.46)
Very unsatisfied, n (%)	491 (1.1)	43 (0.4)	1 (0.3)	1 (1.2)	536 (1.0)
Somewhat unsatisfied, n (%)	824 (1.9)	140 (1.1)	6 (1.5)	0 (0.0)	970 (1.7)
Somewhat satisfied, n (%)	4740 (10.9)	1134 (9.3)	55 (14.0)	14 (16.7)	5943 (10.6)
Very satisfied, n (%)	37009 (85.3)	10831 (88.7)	331 (84.0)	68 (81.0)	48239 (86.1)
Don't know/not sure, n (%)	306 (0.7)	63 (0.5)	1 (0.3)	1 (1.2)	371 (0.7)
WIC staff offered participant breastfeeding support, ²⁰ [C8]	(n=20836)	(n=6013)	(n=179)	(n=58)	(n=27086)
Yes, n (%)	18040 (86.6)	5521 (92.0)	144 (80.4)	46 (79.3)	23751 (87.7)
No, n (%)	1241 (6.0)	401 (6.7)	25 (14.0)	10 (17.2)	1677 (6.2)
Not applicable/not sure n (%)	1551 (7.4)	81 (1.3)	10 (5.6)	2 (3.4)	1644 (6.1)
Type of breastfeeding support received from WIC, ²¹ n (%) [C9]	(n=18040)	(n=5521)	(n=144)	(n=46)	(n=23751)
Breastfeeding help during WIC appointment	13125 (73.1)	4360 (81.1)	106 (74.1)	34 (79.1)	17625 (74.9)
Breastfeeding help at hospital	3871 (34.6)	1917 (39.9)	42 (46.7)	11 (55.0)	5841 (42.1)
Breastfeeding help at home	2571 (27.5)	1835 (52.8)	26 (44.8)	6 (54.5)	4438 (34.5)
Call, text, or video chat	13519 (75.5)	4013 (75.6)	59 (41.3)	22 (57.9)	17613 (75.3)
Baby feeding or breastfeeding class	10118 (62.4)	3697 (70.4)	51 (36.2)	23 (57.5)	13889 (64.1)
Written or electronic information about breastfeeding	13825 (77.3)	4290 (81.3)	106 (74.1)	24 (64.9)	18245 (78.2)
Breast pump	7460 (41.7)	2668 (50.9)	41 (28.5)	19 (51.4)	10188 (43.7)
Breastfeeding aids or accessories (e.g., at-breast supplementers, nursing bras or pads, nipple shields, breast shells, pump parts)	5888 (35.7)	1736 (35.8)	27 (20.1)	16 (44.4)	7667 (35.7)
Information on other breastfeeding community resources	11001 (61.7)	2442 (46.7)	76 (53.1)	23 (62.2)	13542 (58.3)
Other	1263 (7.6)	789 (17.6)	13 (10.8)	12 (37.5)	2077 (9.8)
Overall satisfaction with WIC breastfeeding support, ^{19,21} Mean (SD) [C10]	3.66 (0.10)	3.70 (0.11)	3.71 (0.34)	3.81 (0.23)	3.7 (0.57)
Very unsatisfied, n (%)	188 (1.0)	33 (0.6)	1 (0.7)	1 (2.2)	223 (0.9)
Somewhat unsatisfied, n (%)	688 (3.8)	137 (2.5)	0 (0.0)	0 (0.0)	825 (3.5)
Somewhat satisfied, n (%)	3843 (21.3)	1057 (19.3)	33 (23.1)	7 (15.2)	4940 (20.9)
Very satisfied, n (%)	12439 (69.1)	4065 (74.1)	101 (70.6)	37 (80.4)	16642 (70.3)
Don't know/not sure, n (%)	856 (4.8)	194 (3.5)	8 (5.6)	1 (2.2)	1059 (4.5)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Reasons for participating in WIC, ²² n (%) [C12]					
Fruits and vegetables in WIC food package	41965 (96.9)	11773 (97.2)	362 (92.1)	56 (74.7)	54156 (96.9)
Other foods in WIC package	40039 (92.7)	10416 (87.9)	333 (85.2)	49 (69.0)	50837 (91.6)
Education, information, and support provided by WIC staff	34817 (80.6)	10572 (89.0)	326 (83.8)	63 (87.5)	45778 (82.4)
WIC classes and group sessions	14610 (33.9)	5116 (43.7)	191 (49.6)	43 (60.6)	19960 (36.1)
Breastfeeding support	20178 (46.8)	8830 (75.1)	286 (73.7)	53 (72.6)	29347 (53.1)
Extent to which participant changed how to feed self /family because of something learned at WIC, Mean (SD) ²³ [C13]					
Not at all, n (%)	4884 (11.3)	723 (5.9)	47 (11.9)	9 (10.8)	5663 (10.1)
A little, n (%)	17030 (39.3)	3329 (27.3)	156 (39.5)	13 (15.7)	20528 (36.6)
A lot, n (%)	19264 (44.4)	7499 (61.6)	164 (41.5)	45 (54.2)	26972 (48.2)
Don't know/not sure, n (%)	2177 (5.0)	629 (5.2)	28 (7.1)	16 (19.3)	2850 (5.1)

- Sample size may vary due to incomplete surveys or because not relevant to answer question. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
- Response option for UT WIC participants was 'Telephone call'.
- Response option not available to CO, KS, LA, MD, NV, NM, Pueblo of Isleta, VA, WV, and WCD WIC participants. Response option for HI WIC participants was 'Teletask'.
- Response option not available to CO, ID, IL, KS, KY, MT, NV, NH, NM, OH, WV, WCD, and WI WIC participants.
- Response option only available to CT, HI, LA, ME, MD, MI, MN, NE, NY, NC, Pueblo of Isleta, SD, UT, and VA WIC participants.
- Response option only available to HI, LA, MI, MN, NM, and Pueblo of Isleta WIC participants.
- Respondents marked 'no' to all response options.
- Not in-person included: telephone, text, email, website/portal, WIC app.
- Only asked of respondents who said they scheduled their appointment in this way. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4.
- Response option not available to HI, ME, MN, VA, WV, and WCD WIC participants.
- Response option only available to ID, MT, and Pueblo of Isleta WIC participants.
- Response option not available to LA, ME, NH, NM, Pueblo of Isleta, and WCD WIC participants. Response option for SD WIC participants was 'Through video call (e.g. Doxy.me) one-on-one with WIC staff'.
- Response option not available to HI, IL, KY, ME, MN, NM, Pueblo of Isleta, SD, WV, and WCD WIC participants.
- Response option not available to ME and WCD WIC participants.
- Response option only available to ID, KS, ME, MD, MN, MT, NE, NV, NH, NY, NC, SD, UT, and WI WIC participants.
- In-person included: At WIC site one-on-one with WIC staff, group classes at WIC site.
- Not in-person included: curbside visit at WIC site, over the phone, video call one-on-one with WIC staff, group classes through a video call/webinar, self-paced nutrition education through an online platform, two-way texting.
- Only asked of respondents who used these methods for their appointment.
- Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
- Question only displayed for respondents if 'pregnant women', 'breastfeeding woman', 'non-breastfeeding women whose pregnancy ended in the last 6 months' or 'infant under 12 months of age' was selected.
- Only asked if respondent said WIC offered them breastfeeding support.
- Participants could select all that apply.
- Scored as follows: Not at all=1, A little=2, A lot=3.
- Response option for CO and ID WIC participants was 'Peanut butter'.

Table 3b. Experiences with Appointments and Nutrition Education, Breastfeeding Support and Other WIC Interactions, by Race/Ethnicity¹

Table summary: Table 3b. lists survey participant experiences with WIC appointments and nutrition education in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Experience	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Methods used to schedule WIC appointments in the past 12 months, n (%) [C1]											
In-person	723 (72.7)	1067 (66.5)	5699 (73.4)	9891 (69.6)	262 (68.8)	170 (68.5)	15552 (72.0)	366 (71.6)	2775 (70.3)	2021 (71.2)	38526 (71.2)
Telephone ^{1,2}	924 (90.8)	1464 (88.8)	6719 (85.7)	12712 (85.5)	343 (88.6)	221 (89.5)	18796 (86.6)	481 (88.3)	3528 (88.7)	2494 (83.6)	47682 (86.3)
Text ^{1,3}	274 (47.9)	463 (41.7)	1167 (38.2)	3123 (41.1)	118 (46.8)	116 (52.3)	4327 (33.7)	164 (51.2)	754 (35.1)	613 (40.9)	11119 (37.5)
Email ^{1,4}	146 (22.2)	316 (23.9)	1368 (19.6)	1797 (18.5)	55 (19.8)	40 (29.0)	1395 (9.8)	116 (29.3)	413 (15.9)	424 (20.0)	6070 (15.8)
Website/Portal ^{1,5}	109 (22.1)	212 (20.8)	1330 (21.7)	1373 (17.1)	57 (22.4)	51 (26.7)	1473 (13.8)	73 (21.0)	329 (16.2)	313 (16.8)	5320 (17.1)
WIC app ^{1,6}	142 (40.0)	148 (29.4)	1466 (39.8)	1102 (34.9)	43 (31.9)	27 (31.0)	1619 (26.1)	35 (28.0)	381 (29.8)	256 (32.2)	5219 (32.0)
None of the above ⁷	2 (0.2)	9 (0.5)	33 (0.4)	55 (0.4)	1 (0.3)	1 (0.4)	57 (0.3)	2 (0.4)	9 (0.2)	9 (0.3)	178 (0.3)
Not in-person ⁸	968 (94.6)	1540 (92.6)	7165 (90.9)	13369 (89.2)	362 (92.6)	234 (94.7)	19801 (91.0)	503 (91.6)	3669 (92.1)	2649 (87.9)	50260 (90.6)
Experience scheduling WIC appointments: [C2]											
In-person, ⁹ Mean (SD) (n=38526)	3.84 (0.16)	3.76 (0.18)	3.87 (0.09)	3.72 (0.15)	3.81 (0.19)	3.95 (0.10)	3.89 (0.06)	3.74 (0.26)	3.87 (0.10)	3.71 (0.15)	3.84 (0.43)
Very difficult, n (%)	5 (0.7)	16 (1.5)	21 (0.4)	48 (0.5)	0 (0.0)	2 (1.2)	58 (0.4)	2 (0.5)	15 (0.5)	21 (1.0)	188 (0.5)
Somewhat difficult, n (%)	8 (1.1)	29 (2.7)	73 (1.3)	141 (1.4)	5 (1.9)	4 (2.4)	174 (1.1)	16 (4.4)	51 (1.8)	53 (2.6)	554 (1.4)
Somewhat easy, n (%)	60 (8.3)	144 (13.5)	322 (5.7)	2544 (25.7)	55 (21.0)	9 (5.3)	938 (6.0)	71 (19.4)	182 (6.6)	497 (24.6)	4822 (12.5)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Very easy, n (%)	647 (89.6)	868 (81.3)	5254 (92.2)	7097 (71.8)	200 (76.3)	153 (90.5)	14332 (92.2)	273 (74.6)	2506 (90.3)	1431 (70.9)	32761 (85.1)
Don't know/not sure, n (%)	2 (0.3)	10 (0.9)	29 (0.5)	54 (0.5)	2 (0.8)	1 (0.6)	49 (0.3)	4 (1.1)	21 (0.8)	17 (0.8)	189 (0.5)
Telephone, ⁹ Mean (SD) (n=47682)	3.79 (0.17)	3.75 (0.15)	3.77 (0.13)	3.63 (0.14)	3.78 (0.19)	3.71 (0.51)	3.79 (0.09)	3.63 (0.25)	3.74 (0.17)	3.62 (0.15)	3.72 (0.6)
Very difficult, n (%)	10 (1.1)	11 (0.8)	135 (2.0)	187 (1.5)	8 (2.3)	3 (1.4)	233 (1.2)	10 (2.1)	71 (2.0)	66 (2.7)	734 (1.5)
Somewhat difficult, n (%)	24 (2.6)	54 (3.7)	215 (3.2)	411 (3.2)	14 (4.1)	5 (2.3)	478 (2.5)	20 (4.2)	146 (4.1)	113 (4.5)	1480 (3.1)
Somewhat easy, n (%)	108 (11.7)	251 (17.2)	664 (9.9)	3555 (28.0)	67 (19.5)	16 (7.2)	2129 (11.3)	108 (22.5)	434 (12.3)	650 (26.2)	7982 (16.8)
Very easy, n (%)	778 (84.2)	1140 (78.0)	5668 (84.4)	8449 (66.6)	251 (73.2)	197 (89.1)	15878 (84.5)	330 (68.9)	2851 (80.9)	1626 (65.5)	37168 (78.0)
Don't know/not sure, n (%)	4 (0.4)	5 (0.3)	33 (0.5)	93 (0.7)	3 (0.9)	0 (0.0)	77 (0.4)	11 (2.3)	24 (0.7)	29 (1.2)	279 (0.6)
Text, ⁹ Mean (SD) (n=11119)	3.69 (0.51)	3.77 (0.20)	3.84 (0.12)	3.63 (0.12)	3.83 (0.20)	3.94 (0.11)	3.82 (0.05)	3.65 (0.27)	3.82 (0.08)	3.66 (0.24)	3.74 (0.53)
Very difficult, n (%)	4 (1.5)	3 (0.7)	16 (1.4)	14 (0.4)	3 (2.6)	0 (0.0)	30 (0.7)	2 (1.2)	8 (1.1)	7 (1.2)	87 (0.8)
Somewhat difficult, n (%)	5 (1.8)	14 (3.0)	20 (1.7)	71 (2.3)	1 (0.9)	2 (1.7)	73 (1.7)	7 (4.3)	12 (1.6)	18 (3.0)	223 (2.0)
Somewhat easy, n (%)	31 (11.3)	61 (13.2)	129 (11.1)	984 (31.6)	18 (15.4)	8 (6.9)	467 (10.8)	38 (23.3)	80 (10.6)	174 (28.6)	1990 (17.9)
Very easy, n (%)	215 (78.5)	359 (77.9)	905 (77.6)	1827 (58.7)	75 (64.1)	100 (86.2)	3521 (81.4)	104 (63.8)	602 (79.8)	344 (56.6)	8052 (72.6)
Don't know/not sure, n (%)	19 (6.9)	24 (5.2)	96 (8.2)	217 (7.0)	20 (17.1)	6 (5.2)	233 (5.4)	12 (7.4)	52 (6.9)	65 (10.7)	744 (6.7)
Email, ⁹ Mean (SD) (n=6070)	3.62 (0.53)	3.68 (0.39)	3.79 (0.14)	3.53 (0.34)	3.65 (0.42)	3.76 (0.66)	3.76 (0.14)	3.62 (0.38)	3.73 (0.16)	3.56 (0.28)	3.69 (0.6)
Very difficult, n (%)	4 (2.7)	3 (1.0)	10 (0.7)	22 (1.2)	1 (1.8)	0 (0.0)	21 (1.5)	1 (0.9)	5 (1.2)	5 (1.2)	72 (1.2)
Somewhat difficult, n (%)	2 (1.4)	8 (2.5)	31 (2.3)	71 (4.0)	2 (3.6)	1 (2.5)	33 (2.4)	3 (2.7)	13 (3.1)	27 (6.4)	191 (3.2)
Somewhat easy, n (%)	25 (17.1)	53 (16.9)	139 (10.2)	538 (30.0)	9 (16.4)	3 (7.5)	161 (11.5)	24 (21.2)	55 (13.3)	107 (25.4)	1114 (18.4)
Very easy, n (%)	107 (73.3)	229 (72.9)	1077 (78.8)	957 (53.4)	34 (61.8)	32 (80.0)	1068 (76.6)	74 (65.5)	310 (75.1)	226 (53.7)	4114 (67.9)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Don't know/not sure, n (%)	8 (5.5)	21 (6.7)	110 (8.0)	203 (11.3)	9 (16.4)	4 (10.0)	112 (8.0)	11 (9.7)	30 (7.3)	56 (13.3)	564 (9.3)
Website/Portal, ⁹ Mean (SD) (n=5320)	3.63 (0.59)	3.56 (0.35)	3.76 (0.26)	3.55 (0.28)	3.61 (0.37)	3.98 (0.04)	3.67 (0.24)	3.51 (0.42)	3.67 (0.33)	3.63 (0.31)	3.72 (0.58)
Very difficult, n (%)	1 (0.9)	2 (0.9)	13 (1.0)	20 (1.5)	0 (0.0)	0 (0.0)	16 (1.1)	1 (1.4)	2 (0.6)	11 (3.5)	66 (1.2)
Somewhat difficult, n (%)	3 (2.8)	7 (3.3)	23 (1.7)	60 (4.4)	5 (8.8)	0 (0.0)	58 (3.9)	5 (6.8)	11 (3.3)	18 (5.8)	190 (3.6)
Somewhat easy, n (%)	17 (15.6)	38 (17.9)	130 (9.8)	418 (30.5)	12 (21.1)	2 (3.9)	204 (13.9)	14 (19.2)	43 (13.1)	62 (19.9)	940 (17.7)
Very easy, n (%)	81 (74.3)	144 (67.9)	1096 (82.5)	760 (55.5)	29 (50.9)	45 (88.2)	1105 (75.1)	48 (65.8)	254 (77.2)	179 (57.4)	3741 (70.4)
Don't know/not sure, n (%)	7 (6.4)	21 (9.9)	66 (5.0)	112 (8.2)	11 (19.3)	4 (7.8)	89 (6.0)	5 (6.8)	19 (5.8)	42 (13.5)	376 (7.1)
WIC app, ⁹ Mean (SD) (n=5219)	3.84 (0.15)	3.68 (0.22)	3.74 (0.11)	3.65 (0.30)	3.65 (0.42)	2.76 (1.53)	3.84 (0.14)	3.72 (0.26)	3.73 (0.17)	3.68 (0.35)	3.78 (0.51)
Very difficult, n (%)	2 (1.4)	1 (0.7)	9 (0.6)	14 (1.3)	0 (0.0)	1 (3.7)	11 (0.7)	0 (0.0)	5 (1.3)	2 (0.8)	45 (0.9)
Somewhat difficult, n (%)	5 (3.5)	4 (2.7)	24 (1.6)	32 (2.9)	2 (4.7)	1 (3.7)	45 (2.8)	2 (5.7)	19 (5.0)	16 (6.2)	150 (2.9)
Somewhat easy, n (%)	20 (14.1)	27 (18.4)	120 (8.2)	274 (24.9)	10 (23.3)	3 (11.1)	193 (11.9)	7 (20.0)	39 (10.2)	53 (20.7)	746 (14.3)
Very easy, n (%)	107 (75.4)	97 (66.0)	1231 (84.1)	675 (61.3)	22 (51.2)	17 (63.0)	1278 (78.9)	22 (62.9)	299 (78.5)	157 (61.3)	3905 (74.9)
Don't know/not sure, n (%)	8 (5.6)	18 (12.2)	80 (5.5)	106 (9.6)	9 (20.9)	5 (18.5)	92 (5.7)	4 (11.4)	19 (5.0)	28 (10.9)	369 (7.1)
Not in-person, ^{8,9} Mean (SD)	3.78 (0.17)	3.73 (0.14)	3.77 (0.13)	3.63 (0.15)	3.75 (0.18)	3.57 (0.80)	3.78 (0.09)	3.61 (0.25)	3.73 (0.16)	3.61 (0.16)	3.72 (0.57)
Method(s) of interaction in past 12 months, n (%)											
[C3]											
At the WIC site one-on-one with WIC staff	889 (87.6)	1301 (78.4)	6910 (87.6)	12710 (85.2)	298 (76.8)	200 (81.0)	18944 (87.1)	432 (80.9)	3379 (84.9)	2448 (81.6)	47511 (85.8)
Group classes at the WIC site ¹⁰ (n=45592)	162 (19.7)	208 (17.2)	1236 (18.2)	2881 (21.7)	37 (11.1)	38 (23.6)	1182 (7.7)	96 (21.6)	370 (11.7)	509 (20.1)	6719 (15.2)
Curbside visit to the WIC site ¹¹ (n=1938)	16 (12.3)	2 (11.1)	3 (23.1)	82 (23.4)	1 (25.0)	0 (0.0)	33 (2.9)	0 (0.0)	5 (2.5)	9 (16.4)	151 (7.9)
Over the phone with WIC staff (n=56082)	863 (85.4)	1409 (85.5)	6137 (78.2)	12491 (84.0)	315 (81.0)	208 (84.6)	18083 (83.2)	439 (81.8)	3305 (83.2)	2387 (80.1)	45637 (82.6)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Video call (e.g., Zoom) one-on-one with WIC staff ¹² (n=45922)	85 (12.3)	179 (11.9)	651 (12.6)	1762 (14.3)	24 (7.1)	27 (11.2)	867 (4.7)	80 (17.7)	235 (7.3)	337 (14.0)	4247 (9.5)
Group classes through a video call/webinar ¹³ (n=42225)	78 (14.5)	136 (11.6)	943 (13.5)	1583 (13.3)	22 (7.1)	17 (10.8)	662 (4.7)	66 (15.4)	261 (9.1)	301 (12.2)	4069 (9.9)
Self-paced nutrition education through an online platform ¹⁴ (n=55397)	327 (34.8)	551 (34.5)	2883 (37.2)	5803 (40.1)	106 (27.9)	106 (43.8)	7613 (35.8)	203 (39.6)	1476 (38.1)	1056 (36.5)	20124 (37.3)
Two-way texting ¹⁵ (n=27452)	257 (44.8)	352 (36.1)	981 (30.9)	3756 (48.3)	51 (36.4)	59 (51.3)	3974 (38.9)	135 (45.8)	671 (38.7)	672 (42.7)	10908 (41.1)
None of the above ⁷	6 (0.6)	13 (0.8)	75 (0.9)	75 (0.5)	8 (2.0)	2 (0.8)	95 (0.4)	3 (0.5)	19 (0.5)	25 (0.8)	321 (0.6)
In-person ¹⁶	903 (89.0)	1327 (79.8)	6991 (88.5)	12933 (86.5)	298 (76.8)	205 (83.0)	19018 (87.5)	442 (82.5)	3414 (85.7)	2498 (82.9)	48029 (86.6)
Not in-person ¹⁷	924 (91.0)	1492 (90.3)	6677 (84.8)	13499 (90.0)	335 (86.1)	231 (93.5)	19610 (90.2)	476 (87.8)	3575 (89.8)	2585 (85.7)	49404 (89.1)
Satisfaction with WIC services (average score and distribution) ¹⁸ [C4]											
At the WIC site one-on-one with WIC staff, ¹⁹ Mean (SD)	3.85 (0.20)	3.81 (0.19)	3.88 (0.07)	3.90 (0.04)	3.84 (0.19)	3.85 (0.46)	3.84 (0.07)	3.85 (0.13)	3.84 (0.10)	3.76 (0.14)	3.88 (0.41)
Very unsatisfied, n (%)	5 (0.6)	10 (0.8)	41 (0.6)	59 (0.5)	1 (0.3)	2 (1.0)	113 (0.6)	3 (0.7)	28 (0.8)	38 (1.6)	300 (0.6)
Somewhat unsatisfied, n (%)	12 (1.4)	22 (1.7)	79 (1.1)	125 (1.0)	9 (3.0)	2 (1.0)	309 (1.6)	8 (1.9)	50 (1.5)	61 (2.5)	677 (1.4)
Somewhat satisfied, n (%)	48 (5.4)	145 (11.2)	569 (8.2)	888 (7.0)	34 (11.4)	10 (5.0)	1831 (9.7)	43 (10.0)	347 (10.3)	301 (12.3)	4216 (8.9)
Very satisfied, n (%)	819 (92.2)	1112 (85.6)	6182 (89.5)	11559 (91.0)	251 (84.5)	184 (92.0)	16638 (87.9)	373 (86.3)	2941 (87.1)	2029 (82.9)	42088 (88.6)
Don't know/not sure, n (%)	4 (0.5)	10 (0.8)	34 (0.5)	67 (0.5)	2 (0.7)	2 (1.0)	46 (0.2)	5 (1.2)	11 (0.3)	18 (0.7)	199 (0.4)
Group classes at the WIC site, ^{10,19} Mean (SD) (n=6719)	3.87 (0.24)	3.86 (0.24)	3.83 (0.17)	3.91 (0.06)	3.92 (0.15)	3.61 (0.74)	3.86 (0.10)	3.79 (0.39)	3.82 (0.14)	3.88 (0.14)	3.88 (0.38)
Very unsatisfied, n (%)	0 (0.0)	2 (1.0)	2 (0.2)	6 (0.2)	0 (0.0)	0 (0.0)	3 (0.3)	0 (0.0)	3 (0.8)	5 (1.0)	21 (0.3)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Somewhat unsatisfied, n (%)	3 (1.9)	2 (1.0)	11 (0.9)	20 (0.7)	1 (2.7)	1 (2.6)	13 (1.1)	2 (2.1)	7 (1.9)	6 (1.2)	66 (1.0)
Somewhat satisfied, n (%)	16 (9.9)	20 (9.7)	101 (8.2)	208 (7.3)	3 (8.1)	5 (13.2)	123 (10.5)	11 (11.5)	46 (12.6)	44 (8.7)	577 (8.7)
Very satisfied, n (%)	136 (84.0)	171 (83.0)	1055 (86.1)	2448 (86.0)	29 (78.4)	29 (76.3)	949 (80.6)	78 (81.2)	285 (77.9)	414 (82.3)	5594 (84.0)
Don't know/not sure, n (%)	7 (4.3)	11 (5.3)	57 (4.6)	165 (5.8)	4 (10.8)	3 (7.9)	89 (7.6)	5 (5.2)	25 (6.8)	34 (6.8)	400 (6.0)
Curbside visit to the WIC site, ^{11,19} Mean (SD) (n=151)	3.89 (0.19)	3.50 (0.71)	4.00 (0.00)	3.96 (0.08)	4.00 (0.0)	0.0 (0.0)	3.93 (0.06)	0.0 (0.0)	4.00 (0.00)	3.83 (0.24)	3.86 (0.43)
Very unsatisfied, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.7)
Somewhat unsatisfied, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
Somewhat satisfied, n (%)	1 (6.2)	1 (50.0)	0 (0.0)	4 (4.9)	0 (0.0)	0 (0.0)	3 (9.1)	0 (0.0)	0 (0.0)	2 (22.2)	11 (7.3)
Very satisfied, n (%)	15 (93.8)	1 (50.0)	3 (100.0)	75 (91.5)	1 (100.0)	0 (0.0)	28 (84.8)	0 (0.0)	5 (100.0)	6 (66.7)	134 (88.7)
Don't know/not sure, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.4)	0 (0.0)	0 (0.0)	2 (6.1)	0 (0.0)	0 (0.0)	1 (11.1)	5 (3.3)
Over the phone with WIC staff, ¹⁹ Mean (SD)	3.87 (0.18)	3.86 (0.10)	3.87 (0.07)	3.89 (0.05)	3.88 (0.11)	3.91 (0.25)	3.84 (0.06)	3.85 (0.26)	3.83 (0.10)	3.80 (0.12)	3.86 (0.43)
Very unsatisfied, n (%)	2 (0.2)	9 (0.6)	56 (0.9)	61 (0.5)	1 (0.3)	3 (1.4)	121 (0.7)	3 (0.7)	37 (1.1)	40 (1.7)	333 (0.7)
Somewhat unsatisfied, n (%)	13 (1.5)	23 (1.6)	85 (1.4)	134 (1.1)	4 (1.3)	4 (1.9)	287 (1.6)	9 (2.1)	63 (1.9)	48 (2.0)	670 (1.5)
Somewhat satisfied, n (%)	60 (7.0)	179 (12.8)	489 (8.0)	1010 (8.1)	39 (12.4)	10 (4.8)	1755 (9.7)	41 (9.4)	352 (10.7)	280 (11.8)	4215 (9.3)
Very satisfied, n (%)	781 (90.6)	1185 (84.5)	5465 (89.4)	11152 (89.9)	271 (86.0)	190 (91.8)	15841 (87.7)	383 (87.6)	2840 (86.1)	1986 (83.9)	40094 (88.2)
Don't know/not sure, n (%)	6 (0.7)	7 (0.5)	17 (0.3)	46 (0.4)	0 (0.0)	0 (0.0)	58 (0.3)	1 (0.2)	8 (0.2)	14 (0.6)	157 (0.3)
Video call (e.g., Zoom) one-on-one with WIC staff, ^{12,19} Mean (SD) (n=4247)	3.93 (0.16)	3.85 (0.18)	3.90 (0.10)	3.87 (0.13)	3.87 (0.31)	3.99 (0.03)	3.91 (0.09)	3.97 (0.07)	3.88 (0.13)	3.79 (0.24)	3.9 (0.36)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Very unsatisfied, n (%)	0 (0.0)	1 (0.6)	3 (0.5)	4 (0.2)	0 (0.0)	0 (0.0)	2 (0.2)	0 (0.0)	1 (0.4)	7 (2.2)	18 (0.4)
Somewhat unsatisfied, n (%)	0 (0.0)	4 (2.3)	5 (0.8)	12 (0.7)	0 (0.0)	0 (0.0)	6 (0.7)	0 (0.0)	2 (0.9)	3 (0.9)	32 (0.8)
Somewhat satisfied, n (%)	4 (4.7)	19 (10.8)	42 (6.6)	118 (6.9)	3 (12.5)	1 (3.7)	58 (6.7)	4 (5.1)	22 (9.5)	27 (8.4)	298 (7.1)
Very satisfied, n (%)	80 (94.1)	146 (83.0)	566 (88.3)	1476 (85.7)	21 (87.5)	26 (96.3)	762 (88.3)	73 (92.4)	192 (83.1)	264 (82.5)	3606 (86.5)
Don't know/not sure, n (%)	1 (1.2)	6 (3.4)	25 (3.9)	112 (6.5)	0 (0.0)	0 (0.0)	35 (4.1)	2 (2.5)	14 (6.1)	19 (5.9)	214 (5.1)
Group classes through a video call/webinar, ^{13,19} Mean (SD) (n=4069)	3.83 (0.27)	3.93 (0.08)	3.90 (0.07)	3.87 (0.10)	3.82 (0.37)	4.00 (0.00)	3.88 (0.13)	3.82 (0.43)	3.90 (0.09)	3.76 (0.18)	3.9 (0.36)
Very unsatisfied, n (%)	1 (1.3)	0 (0.0)	1 (0.1)	6 (0.4)	0 (0.0)	0 (0.0)	3 (0.5)	1 (1.5)	2 (0.8)	2 (0.7)	16 (0.4)
Somewhat unsatisfied, n (%)	0 (0.0)	1 (0.7)	6 (0.6)	6 (0.4)	0 (0.0)	0 (0.0)	6 (0.9)	1 (1.5)	5 (1.9)	5 (1.7)	30 (0.7)
Somewhat satisfied, n (%)	11 (14.3)	14 (10.4)	56 (6.0)	117 (7.5)	3 (14.3)	0 (0.0)	50 (7.6)	4 (6.2)	17 (6.5)	26 (9.0)	298 (7.4)
Very satisfied, n (%)	63 (81.8)	115 (85.2)	830 (88.8)	1360 (87.5)	18 (85.7)	16 (100.0)	563 (85.7)	58 (89.2)	221 (85.0)	244 (84.1)	3488 (87.0)
Don't know/not sure, n (%)	2 (2.6)	5 (3.7)	42 (4.5)	66 (4.2)	0 (0.0)	0 (0.0)	35 (5.3)	1 (1.5)	15 (5.8)	13 (4.5)	179 (4.5)
Self-paced nutrition education through an online platform, ^{14,19} Mean (SD) (n=20124)	3.87 (0.32)	3.87 (0.11)	3.85 (0.20)	3.89 (0.11)	3.78 (0.35)	3.89 (0.28)	3.78 (0.06)	3.89 (0.17)	3.80 (0.14)	3.81 (0.21)	3.86 (0.4)
Very unsatisfied, n (%)	2 (0.6)	0 (0.0)	10 (0.3)	11 (0.2)	0 (0.0)	1 (1.0)	47 (0.6)	1 (0.5)	7 (0.5)	10 (1.0)	89 (0.4)
Somewhat unsatisfied, n (%)	3 (0.9)	5 (0.9)	20 (0.7)	35 (0.6)	0 (0.0)	0 (0.0)	146 (1.9)	3 (1.5)	22 (1.5)	16 (1.5)	250 (1.2)
Somewhat satisfied, n (%)	24 (7.4)	66 (12.0)	230 (8.0)	467 (8.1)	18 (17.1)	5 (4.8)	1033 (13.6)	16 (7.9)	177 (12.0)	120 (11.5)	2156 (10.8)
Very satisfied, n (%)	292 (89.8)	476 (86.7)	2581 (89.9)	5105 (88.9)	83 (79.0)	97 (93.3)	6294 (82.8)	179 (88.6)	1247 (84.8)	867 (83.3)	17221 (86.1)
Don't know/not sure, n (%)	4 (1.2)	2 (0.4)	30 (1.0)	125 (2.2)	4 (3.8)	1 (1.0)	80 (1.1)	3 (1.5)	18 (1.2)	28 (2.7)	295 (1.5)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Two-way texting, ^{15,19} Mean (SD) (n=10908)	3.85 (0.28)	3.85 (0.13)	3.85 (0.10)	3.90 (0.06)	3.94 (0.08)	3.98 (0.05)	3.89 (0.05)	3.89 (0.14)	3.90 (0.07)	3.86 (0.13)	3.9 (0.36)
Very unsatisfied, n (%)	1 (0.4)	0 (0.0)	9 (0.9)	6 (0.2)	0 (0.0)	0 (0.0)	17 (0.4)	2 (1.5)	2 (0.3)	3 (0.5)	40 (0.4)
Somewhat unsatisfied, n (%)	2 (0.8)	3 (0.9)	5 (0.5)	24 (0.6)	0 (0.0)	1 (1.8)	41 (1.0)	1 (0.7)	4 (0.6)	5 (0.8)	86 (0.8)
Somewhat satisfied, n (%)	16 (6.3)	45 (12.8)	67 (6.9)	288 (7.8)	4 (7.8)	4 (7.0)	304 (7.7)	11 (8.1)	57 (8.5)	67 (10.1)	863 (8.0)
Very satisfied, n (%)	232 (91.7)	296 (84.3)	874 (90.0)	3340 (90.2)	47 (92.2)	52 (91.2)	3573 (90.1)	118 (87.4)	602 (89.9)	569 (85.8)	9703 (89.7)
Don't know/not sure, n (%)	2 (0.8)	7 (2.0)	16 (1.6)	46 (1.2)	0 (0.0)	0 (0.0)	31 (0.8)	3 (2.2)	5 (0.7)	19 (2.9)	129 (1.2)
In-person, ¹⁶ Mean (SD)	3.84 (0.20)	3.81 (0.18)	3.87 (0.07)	3.90 (0.04)	3.84 (0.19)	3.83 (0.46)	3.84 (0.07)	3.85 (0.11)	3.84 (0.09)	3.76 (0.14)	3.87 (0.4)
Not in-person, ¹⁷ Mean (SD)	3.87 (0.15)	3.85 (0.10)	3.86 (0.07)	3.88 (0.05)	3.87 (0.13)	3.91 (0.16)	3.83 (0.06)	3.85 (0.18)	3.83 (0.09)	3.79 (0.12)	3.85 (0.41)
Challenges with WIC services, n (%) [C5]											
None of these	777 (75.8)	1280 (76.0)	6393 (80.4)	11835 (77.7)	303 (76.9)	198 (79.2)	17389 (79.8)	373 (67.1)	3051 (76.4)	2050 (66.5)	43649 (78.0)
WIC appointments are hard to fit in busy schedule	122 (11.9)	166 (9.9)	845 (10.6)	918 (6.0)	41 (10.4)	18 (7.2)	2672 (12.3)	65 (11.7)	532 (13.3)	274 (8.9)	5653 (10.1)
WIC site not located in area that is easy to get to	53 (5.2)	88 (5.2)	315 (4.0)	596 (3.9)	20 (5.1)	11 (4.4)	952 (4.4)	30 (5.4)	223 (5.6)	154 (5.0)	2442 (4.4)
Have limited access to technology	40 (3.9)	49 (2.9)	197 (2.5)	637 (4.2)	3 (0.8)	8 (3.2)	257 (1.2)	22 (4.0)	97 (2.4)	103 (3.3)	1413 (2.5)
Technology that WIC uses not easy to use	21 (2.0)	36 (2.1)	130 (1.6)	291 (1.9)	7 (1.8)	3 (1.2)	271 (1.2)	15 (2.7)	75 (1.9)	76 (2.5)	925 (1.7)
Information that WIC provides not in preferred language	6 (0.6)	27 (1.6)	49 (0.6)	169 (1.1)	9 (2.3)	2 (0.8)	27 (0.1)	8 (1.4)	19 (0.5)	37 (1.2)	353 (0.6)
Staff reschedule, arrive late to or miss appointments, or schedule them without	1 (0.1)	3 (0.2)	20 (0.3)	15 (0.1)	0 (0.0)	1 (0.4)	85 (0.4)	5 (0.9)	21 (0.5)	17 (0.6)	168 (0.3)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
checking participant's availability											
Challenges at the WIC site (e.g., crowded, understaffed, long wait, hard to bring in children)	0 (0.0)	3 (0.2)	10 (0.1)	9 (0.1)	2 (0.5)	0 (0.0)	75 (0.3)	0 (0.0)	16 (0.4)	5 (0.2)	120 (0.2)
Hard to contact WIC office by phone, don't answer calls, long wait times, don't return calls	7 (0.7)	8 (0.5)	54 (0.7)	72 (0.5)	3 (0.8)	1 (0.4)	163 (0.7)	3 (0.5)	46 (1.2)	32 (1.0)	389 (0.7)
Hard to remember appointments, no reminders	1 (0.1)	2 (0.1)	1 (0.0)	2 (0.0)	0 (0.0)	0 (0.0)	12 (0.1)	1 (0.2)	6 (0.2)	1 (0.0)	26 (0.0)
Negative WIC shopping experiences, issues shopping with WIC app	7 (0.7)	2 (0.1)	25 (0.3)	27 (0.2)	3 (0.8)	1 (0.4)	126 (0.6)	5 (0.9)	32 (0.8)	16 (0.5)	244 (0.4)
Challenges with WIC food package (e.g., food allergies, dietary preferences, amount)	1 (0.1)	4 (0.2)	20 (0.3)	8 (0.1)	0 (0.0)	0 (0.0)	71 (0.3)	2 (0.4)	12 (0.3)	8 (0.3)	126 (0.2)
Transportation difficulty (to WIC clinic and/or stores)	3 (0.3)	4 (0.2)	11 (0.1)	20 (0.1)	0 (0.0)	0 (0.0)	75 (0.3)	1 (0.2)	14 (0.4)	5 (0.2)	133 (0.2)
Challenges with benefits being delayed/paused/changed	3 (0.3)	4 (0.2)	13 (0.2)	14 (0.1)	0 (0.0)	0 (0.0)	44 (0.2)	1 (0.2)	12 (0.3)	4 (0.1)	95 (0.2)
Problems with WIC website, app, or text messages (e.g. needs improvement, doesn't work, can't login)	2 (0.2)	8 (0.5)	19 (0.2)	17 (0.1)	0 (0.0)	0 (0.0)	80 (0.4)	0 (0.0)	14 (0.4)	13 (0.4)	153 (0.3)
Issues with WIC staff (e.g. rude, made	2 (0.2)	0 (0.0)	15 (0.2)	26 (0.2)	1 (0.3)	1 (0.4)	68 (0.3)	2 (0.4)	12 (0.3)	16 (0.5)	143 (0.3)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
inappropriate comments)											
Hard to find out about all the services that WIC offers	0 (0.0)	0 (0.0)	0 (0.0)	3 (0.0)	0 (0.0)	0 (0.0)	5 (0.0)	0 (0.0)	3 (0.1)	0 (0.0)	11 (0.0)
Challenges with eligibility	0 (0.0)	0 (0.0)	1 (0.0)	1 (0.0)	0 (0.0)	0 (0.0)	6 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	8 (0.0)
Other	11 (1.1)	25 (1.5)	53 (0.7)	106 (0.7)	5 (1.3)	4 (1.6)	91 (0.4)	12 (2.2)	28 (0.7)	43 (1.4)	378 (0.7)
Prefer not to answer	24 (2.3)	67 (4.0)	107 (1.3)	897 (5.9)	13 (3.3)	12 (4.8)	188 (0.9)	46 (8.3)	57 (1.4)	417 (13.5)	1828 (3.3)
Overall satisfaction with nutrition education from WIC, ¹⁹ Mean (SD) [C6]	3.81 (0.14)	3.73 (0.11)	3.80 (0.09)	3.85 (0.06)	3.62 (0.30)	3.87 (0.18)	3.72 (0.09)	3.74 (0.22)	3.72 (0.10)	3.68 (0.18)	3.8 (0.48)
Very unsatisfied, n (%)	7 (0.7)	5 (0.3)	42 (0.5)	54 (0.4)	2 (0.5)	2 (0.8)	209 (1.0)	4 (0.7)	37 (0.9)	50 (1.6)	412 (0.7)
Somewhat unsatisfied, n (%)	16 (1.6)	27 (1.6)	108 (1.4)	157 (1.0)	12 (3.1)	2 (0.8)	564 (2.6)	15 (2.7)	113 (2.8)	88 (2.8)	1102 (2.0)
Somewhat satisfied, n (%)	125 (12.2)	349 (20.7)	1002 (12.6)	1697 (11.1)	105 (26.7)	29 (11.6)	3954 (18.1)	94 (16.9)	676 (16.9)	473 (15.3)	8504 (15.2)
Very satisfied, n (%)	862 (84.0)	1267 (75.1)	6667 (83.8)	13166 (86.1)	259 (65.9)	214 (85.6)	16537 (75.9)	432 (77.6)	3106 (77.8)	2342 (75.7)	44852 (80.0)
Don't know/not sure, n (%)	16 (1.6)	40 (2.4)	137 (1.7)	220 (1.4)	15 (3.8)	3 (1.2)	533 (2.4)	12 (2.2)	62 (1.6)	139 (4.5)	1177 (2.1)
Overall satisfaction with customer service from WIC, ¹⁹ Mean (SD) [C7]	3.82 (0.16)	3.78 (0.12)	3.83 (0.10)	3.88 (0.06)	3.85 (0.13)	3.91 (0.17)	3.80 (0.08)	3.83 (0.16)	3.81 (0.11)	3.73 (0.17)	3.84 (0.46)
Very unsatisfied, n (%)	14 (1.4)	17 (1.0)	78 (1.0)	90 (0.6)	3 (0.8)	3 (1.2)	217 (1.0)	3 (0.5)	52 (1.3)	59 (1.9)	536 (1.0)
Somewhat unsatisfied, n (%)	16 (1.6)	26 (1.5)	121 (1.5)	204 (1.3)	5 (1.3)	7 (2.8)	417 (1.9)	11 (2.0)	78 (2.0)	85 (2.7)	970 (1.7)
Somewhat satisfied, n (%)	96 (9.4)	272 (16.1)	757 (9.5)	1394 (9.1)	59 (15.0)	18 (7.2)	2387 (10.9)	71 (12.7)	462 (11.6)	427 (13.8)	5943 (10.6)
Very satisfied, n (%)	889 (86.7)	1350 (80.0)	6953 (87.4)	13547 (88.6)	323 (82.0)	221 (88.4)	18653 (85.6)	464 (83.2)	3383 (84.7)	2456 (79.3)	48239 (86.1)
Don't know/not sure, n (%)	10 (1.0)	23 (1.4)	46 (0.6)	61 (0.4)	4 (1.0)	1 (0.4)	127 (0.6)	9 (1.6)	20 (0.5)	70 (2.3)	371 (0.7)
WIC staff offered participant breastfeeding support, ²⁰ [C8]	(n=442)	(n=856)	(n=3760)	(n=7519)	(n=176)	(n=114)	(n=10555)	(n=248)	(n=2071)	(n=1345)	(n=27086)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Yes, n (%)	382 (86.4)	752 (87.9)	3280 (87.3)	6862 (91.3)	142 (80.7)	99 (86.8)	9031 (85.6)	221 (89.1)	1850 (89.4)	1132 (84.4)	23751 (87.7)
No n (%)	28 (6.3)	59 (6.9)	248 (6.6)	485 (6.5)	26 (14.8)	8 (7.0)	596 (5.6)	13 (5.2)	98 (4.7)	116 (8.6)	1677 (6.2)
Not applicable or not sure n (%)	32 (7.2)	45 (5.3)	231 (6.1)	165 (2.2)	8 (4.5)	7 (6.1)	927 (8.8)	14 (5.6)	121 (5.8)	94 (7.0)	1644 (6.1)
Type of breastfeeding support received from WIC, ²¹ n (%) [C9]	(n=382)	(n=752)	(n=3280)	(n=6862)	(n=142)	(n=99)	(n=9031)	(n=221)	(n=1850)	(n=1132)	(n=23751)
Breastfeeding help during WIC appointment	309 (81.3)	587 (79.2)	2561 (78.9)	5398 (80.2)	108 (77.7)	73 (75.3)	6223 (69.1)	156 (72.2)	1381 (74.9)	829 (74.4)	17625 (74.9)
Breastfeeding help at hospital	74 (44.6)	250 (48.4)	724 (50.6)	2225 (64.2)	40 (38.5)	19 (41.3)	1699 (26.9)	69 (53.9)	439 (38.5)	302 (52.1)	5841 (42.1)
Breastfeeding help at home	69 (46.3)	176 (35.6)	664 (40.7)	1969 (47.4)	18 (24.7)	18 (40.0)	922 (20.0)	63 (46.0)	238 (26.5)	301 (42.9)	4438 (34.5)
Call, text, or video chat	273 (72.4)	475 (65.2)	2385 (73.8)	5066 (76.0)	64 (46.7)	64 (65.3)	6955 (77.2)	144 (67.3)	1422 (77.5)	765 (69.6)	17613 (75.3)
Baby feeding or breastfeeding class	235 (66.4)	396 (55.9)	2231 (70.1)	4560 (69.1)	58 (43.6)	59 (60.8)	4451 (58.7)	128 (60.7)	1090 (63.7)	681 (63.1)	13889 (64.1)
Written or electronic information about breastfeeding	292 (77.9)	468 (64.2)	2536 (78.8)	5313 (80.0)	90 (65.7)	68 (70.1)	7032 (78.2)	161 (75.2)	1465 (79.8)	820 (75.1)	18245 (78.2)
Breast pump	201 (53.6)	266 (36.6)	1547 (48.1)	3215 (48.6)	39 (28.3)	37 (37.8)	3415 (38.0)	97 (45.5)	879 (47.9)	492 (45.2)	10188 (43.7)
Breastfeeding aids or accessories (e.g., at-breast supplementers, nursing bras or pads, nipple shields, breast shells, pump parts)	160 (45.8)	211 (33.6)	1279 (42.5)	2153 (35.0)	26 (20.5)	25 (26.0)	2750 (33.5)	77 (37.7)	654 (38.4)	332 (32.9)	7667 (35.7)
Information on other breastfeeding community resources	241 (63.9)	407 (56.3)	2097 (65.4)	3345 (50.7)	70 (51.5)	57 (59.4)	5481 (61.0)	115 (54.2)	1199 (65.5)	530 (48.9)	13542 (58.3)
Other	46 (13.1)	70 (10.6)	432 (14.3)	799 (13.8)	9 (8.0)	11 (12.9)	427 (5.2)	36 (18.8)	114 (6.8)	133 (13.7)	2077 (9.8)
Overall satisfaction with WIC breastfeeding	3.71 (0.31)	3.66 (0.19)	3.69 (0.16)	3.71 (0.10)	3.65 (0.34)	3.66 (0.38)	3.65 (0.12)	3.71 (0.24)	3.63 (0.14)	3.62 (0.24)	3.7 (0.57)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
support, ^{19,21} Mean (SD) [C10]											
Very unsatisfied, n (%)	6 (1.6)	2 (0.3)	28 (0.9)	48 (0.7)	0 (0.0)	0 (0.0)	96 (1.1)	2 (0.9)	17 (0.9)	24 (2.1)	223 (0.9)
Somewhat unsatisfied, n (%)	15 (3.9)	27 (3.6)	86 (2.6)	208 (3.0)	4 (2.9)	2 (2.1)	371 (4.1)	7 (3.2)	73 (3.9)	32 (2.9)	825 (3.5)
Somewhat satisfied, n (%)	70 (18.3)	199 (26.6)	558 (17.1)	1382 (20.2)	34 (24.5)	21 (21.6)	1957 (21.7)	47 (21.5)	426 (23.0)	246 (21.9)	4940 (20.9)
Very satisfied, n (%)	276 (72.3)	458 (61.2)	2416 (73.8)	4964 (72.6)	91 (65.5)	69 (71.1)	6209 (68.8)	147 (67.1)	1274 (68.9)	738 (65.8)	16642 (70.3)
Don't know/not sure, n (%)	15 (3.9)	62 (8.3)	184 (5.6)	234 (3.4)	10 (7.2)	5 (5.2)	392 (4.3)	16 (7.3)	59 (3.2)	82 (7.3)	1059 (4.5)
Reasons for participating in WIC, ²² n (%) [C12]											
Fruits and vegetables in WIC food package	1005 (98.0)	1615 (96.0)	7560 (95.6)	14838 (97.6)	373 (95.2)	232 (93.2)	21242 (97.5)	517 (93.8)	3899 (97.6)	2875 (93.6)	54156 (96.9)
Other foods in WIC package	943 (92.5)	1454 (87.7)	7038 (89.5)	13462 (89.9)	344 (87.8)	220 (89.4)	20589 (94.6)	474 (87.9)	3765 (94.5)	2548 (84.4)	50837 (91.6)
Education, information, and support provided by WIC staff	911 (89.6)	1451 (87.1)	7132 (90.4)	13399 (89.2)	323 (82.2)	223 (90.3)	16195 (74.4)	450 (82.4)	3289 (82.6)	2405 (79.7)	45778 (82.4)
WIC classes and group sessions	427 (42.1)	657 (39.8)	3532 (45.0)	6572 (44.2)	160 (41.3)	121 (49.4)	5869 (27.0)	219 (40.6)	1366 (34.3)	1037 (34.7)	19960 (36.1)
Breastfeeding support	513 (50.7)	967 (58.4)	4215 (53.7)	10351 (69.5)	264 (67.7)	142 (57.5)	8802 (40.5)	301 (56.1)	2090 (52.6)	1702 (56.8)	29347 (53.1)
Extent to which participant changed how they feed self /family because of something learned at WIC, Mean (SD) ²³ [C13]	2.34 (0.19)	2.45 (0.11)	2.43 (0.16)	2.52 (0.09)	2.32 (0.39)	2.51 (0.40)	2.28 (0.10)	2.38 (0.21)	2.39 (0.10)	2.31 (0.17)	2.41 (0.67)
Not at all, n (%)	121 (11.8)	162 (9.6)	948 (11.9)	983 (6.4)	42 (10.6)	22 (8.8)	2557 (11.7)	64 (11.5)	394 (9.9)	370 (12.0)	5663 (10.1)
A little, n (%)	351 (34.3)	521 (30.9)	2701 (34.0)	4459 (29.2)	141 (35.7)	73 (29.2)	9637 (44.2)	188 (33.8)	1477 (37.0)	980 (31.7)	20528 (36.6)
A lot, n (%)	489 (47.8)	843 (50.1)	3897 (49.0)	9113 (59.7)	181 (45.8)	136 (54.4)	8664 (39.7)	266 (47.8)	1960 (49.0)	1423 (46.1)	26972 (48.2)
Don't know/not sure, n (%)	63 (6.2)	158 (9.4)	403 (5.1)	714 (4.7)	31 (7.8)	19 (7.6)	944 (4.3)	39 (7.0)	165 (4.1)	314 (10.2)	2850 (5.1)

1. Sample size may vary due to incomplete surveys or because not relevant to answer question. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Response option for UT WIC participants was 'Telephone call'.
3. Response option not available to CO, KS, LA, MD, NV, NM, Pueblo of Isleta, VA, WV, and WCD WIC participants. Response option for HI WIC participants was 'Teletask'.
4. Response option not available to CO, ID, IL, KS, KY, MT, NV, NH, NM, OH, WV, WCD, and WI WIC participants.
5. Response option only available to CT, HI, LA, ME, MD, MI, MN, NE, NY, NC, Pueblo of Isleta, SD, UT, and VA WIC participants.
6. Response option only available to HI, LA, MI, MN, NM, and Pueblo of Isleta WIC participants.
7. Respondents marked 'no' to all response options.
8. Not in-person included: telephone, text, email, website/portal, WIC app.
9. Only asked of respondents who said they scheduled their appointment in this way. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4.
10. Response option not available to HI, ME, MN, VA, WV, and WCD WIC participants.
11. Response option only available to ID, MT, and Pueblo of Isleta WIC participants.
12. Response option not available to LA, ME, NH, NM, Pueblo of Isleta, and WCD WIC participants. Response option for SD WIC participants was 'Through video call (e.g. Doxy.me) one-on-one with WIC staff'.
13. Response option not available to HI, IL, KY, ME, MN, NM, Pueblo of Isleta, SD, WV, and WCD WIC participants.
14. Response option not available to ME and WCD WIC participants.
15. Response option only available to ID, KS, ME, MD, MN, MT, NE, NV, NH, NY, NC, SD, UT, and WI WIC participants.
16. In-person included: At WIC site one-on-one with WIC staff, group classes at WIC site
17. Not in-person included: curbside visit at WIC site, over the phone, video call one-on-one with WIC staff, group classes through a video call/webinar, self-paced nutrition education through an online platform, two-way texting.
18. Only asked of respondents who used these methods for their appointment.
19. Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
20. Question only displayed for respondents if 'pregnant women', 'breastfeeding woman', 'non-breastfeeding women whose pregnancy ended in the last 6 months' or 'infant under 12 months of age' was selected.
21. Only asked if respondent said WIC offered them breastfeeding support.
22. Participants could select all that apply.
23. Scored as follows: Not at all=1, A little=2, A lot=3.
24. Response option for CO and ID WIC participants was 'Peanut butter'.

Fairness and Belonging

To inform WIC's efforts to support fairness and belonging, respondents were asked about their agreement to several statements related to feeling respected by WIC staff, being able to communicate with WIC staff in their preferred language, and WIC staff being able to relate to their culture (on a scale of 1=strongly disagree to 4=strongly agree). Respondents were also asked how often they interacted with WIC staff who spoke their preferred language and received written materials from WIC in their preferred language (on a scale of 0=never to 4=always), and their ease understanding WIC staff and the materials they received from WIC staff in their preferred language (on a scale of 1=very difficult to 4=very easy). Results are stratified by respondents' survey language (**Table 4a**) and self-reported race/ethnicity (**Table 4b**).

Table 4a. Perceptions of WIC's Efforts to Support Fairness and Belonging, by Survey Language¹

Table summary: Table 4a. lists survey participant perceptions of WIC's efforts to support fairness and belonging in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole). The final column lists the total.

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Agreement with the following (n=54793) [D1]					
Staff at WIC site make me feel respected, valued, and welcomed. ² Mean (SD)	3.82 (0.06)	3.77 (0.09)	3.92 (0.13)	3.89 (0.21)	3.81 (0.47)
Strongly disagree, n (%)	376 (0.9)	68 (0.6)	0 (0.0)	2 (2.4)	446 (0.8)
Somewhat disagree, n (%)	711 (1.7)	107 (0.9)	1 (0.3)	0 (0.0)	819 (1.5)
Somewhat agree, n (%)	4866 (11.5)	2569 (21.3)	40 (10.1)	5 (6.0)	7480 (13.7)
Strongly agree, n (%)	35938 (85.1)	9193 (76.3)	349 (88.4)	75 (90.4)	45555 (83.2)
Don't know/not sure, n (%)	339 (0.8)	108 (0.9)	5 (1.3)	1 (1.2)	453 (0.8)
Staff at WIC site can communicate in my language. ² Mean (SD)	3.92 (0.03)	3.70 (0.18)	3.54 (0.46)	3.39 (0.61)	3.88 (0.42)
Strongly disagree, n (%)	290 (0.7)	113 (0.9)	8 (2.0)	11 (13.8)	422 (0.8)
Somewhat disagree, n (%)	280 (0.7)	241 (2.0)	20 (5.1)	3 (3.8)	544 (1.0)
Somewhat agree, n (%)	1782 (4.2)	2172 (18.2)	47 (11.9)	5 (6.2)	4006 (7.3)
Strongly agree, n (%)	39009 (92.6)	9263 (77.5)	294 (74.4)	54 (67.5)	48620 (89.1)
Don't know/not sure, n (%)	788 (1.9)	164 (1.4)	26 (6.6)	7 (8.8)	985 (1.8)
Staff at WIC site can relate to my culture. ² Mean (SD)	3.77 (0.08)	3.61 (0.12)	3.66 (0.32)	3.44 (0.51)	3.74 (0.55)
Strongly disagree, n (%)	538 (1.3)	76 (0.6)	3 (0.8)	8 (10.1)	625 (1.1)
Somewhat disagree, n (%)	962 (2.3)	276 (2.3)	8 (2.0)	3 (3.8)	1249 (2.3)
Somewhat agree, n (%)	5516 (13.1)	3347 (28.1)	70 (17.9)	13 (16.5)	8946 (16.4)
Strongly agree, n (%)	32614 (77.4)	7730 (65.0)	295 (75.3)	47 (59.5)	40686 (74.7)

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Don't know/not sure, n (%)	2493 (5.9)	463 (3.9)	16 (4.1)	8 (10.1)	2980 (5.5)
Frequency participant interacted with WIC staff in preferred language, ³ Mean (SD) [D3]	3.78 (0.08)	3.15 (0.35)	2.35 (1.18)	2.53 (1.09)	3.66 (0.85)
Never, n (%)	671 (1.6)	261 (2.2)	52 (13.2)	19 (22.6)	1003 (1.8)
Rarely, n (%)	543 (1.3)	533 (4.4)	25 (6.3)	4 (4.8)	1105 (2.0)
Sometimes, n (%)	1427 (3.4)	2021 (16.8)	47 (11.9)	9 (10.7)	3504 (6.4)
Very often, n (%)	1935 (4.6)	1660 (13.8)	39 (9.9)	8 (9.5)	3642 (6.7)
Always, n (%)	37006 (87.7)	7407 (61.5)	221 (55.9)	39 (46.4)	44673 (81.6)
Don't know/not sure, n (%)	632 (1.5)	161 (1.3)	11 (2.8)	5 (6.0)	809 (1.5)
Frequency participant received written materials from WIC in preferred language, ³ Mean (SD) [D3]	3.75 (0.08)	3.43 (0.28)	2.11 (1.09)	2.49 (0.80)	3.71 (0.84)
Never, n (%)	1028 (2.4)	329 (2.8)	60 (15.3)	20 (26.0)	1437 (2.6)
Rarely, n (%)	536 (1.3)	267 (2.2)	15 (3.8)	5 (6.5)	823 (1.5)
Sometimes, n (%)	1343 (3.2)	1084 (9.1)	72 (18.3)	11 (14.3)	2510 (4.6)
Very often, n (%)	1605 (3.8)	1059 (8.9)	31 (7.9)	6 (7.8)	2701 (4.9)
Always, n (%)	36599 (86.9)	8976 (75.1)	181 (46.1)	28 (36.4)	45784 (83.9)
Don't know/not sure, n (%)	1027 (2.4)	244 (2.0)	34 (8.7)	7 (9.1)	1312 (2.4)
Ease of understanding WIC staff in preferred language, ⁴ Mean (SD) [D4]	3.93 (0.03)	3.60 (0.22)	3.65 (0.27)	3.65 (0.41)	3.86 (0.4)
Very difficult, n (%)	64 (0.2)	96 (0.8)	5 (1.4)	3 (4.5)	168 (0.3)
Somewhat difficult, n (%)	213 (0.5)	249 (2.1)	7 (2.0)	3 (4.5)	472 (0.9)
Somewhat easy, n (%)	2370 (5.7)	2981 (25.0)	84 (23.9)	15 (22.4)	5450 (10.2)
Very easy, n (%)	38316 (92.8)	8374 (70.3)	241 (68.5)	44 (65.7)	46975 (87.6)
Don't know/not sure, n (%)	320 (0.8)	214 (1.8)	15 (4.3)	2 (3.0)	551 (1.0)
Ease of understanding written materials from WIC in preferred language, ⁴ Mean (SD) [D4]	3.93 (0.03)	3.69 (0.12)	3.56 (0.27)	3.53 (0.38)	3.88 (0.36)
Very difficult, n (%)	63 (0.2)	35 (0.3)	3 (0.8)	0 (0.0)	101 (0.2)
Somewhat difficult, n (%)	124 (0.3)	106 (0.9)	14 (4.0)	5 (8.3)	249 (0.5)
Somewhat easy, n (%)	2318 (5.6)	3111 (26.3)	90 (25.5)	14 (23.3)	5533 (10.4)
Very easy, n (%)	38102 (92.5)	8318 (70.4)	220 (62.3)	30 (50.0)	46670 (87.3)
Don't know/not sure, n (%)	596 (1.4)	247 (2.1)	26 (7.4)	11 (18.3)	880 (1.6)

1. Sample size may vary due to incomplete surveys. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Data presented are the average of each state's and tribal organization's average. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not. Questions were not available to ID WIC participants.

2. Scored as follows: Strongly disagree=1, Somewhat disagree=2, Somewhat agree=3, Strongly agree=4.
3. Scored as follows: Never=0, Rarely=1, Sometimes=2, Very often =3, Always=4.
4. Question was asked to those who answered (Rarely=1, Sometimes=2, Very often =3, Always=4), to the previous questions regarding frequency of interacting with staff or written material in their preferred language. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4.

Table 4b. Perceptions of WIC’s Efforts to Support Fairness and Belonging, by Race/Ethnicity¹

Table summary: Table 4b. lists survey participant perceptions of WIC’s efforts to support fairness and belonging in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Perception	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Agreement with the following [D1]											
Staff at WIC site make participant feel respected, valued, and welcomed, ² Mean (SD)	3.81 (0.17)	3.83 (0.10)	3.84 (0.08)	3.81 (0.08)	3.89 (0.12)	3.92 (0.13)	3.81 (0.07)	3.81 (0.16)	3.82 (0.08)	3.72 (0.15)	3.81 (0.47)
Strongly disagree, n (%)	13 (1.3)	10 (0.6)	51 (0.6)	103 (0.7)	2 (0.5)	4 (1.6)	182 (0.9)	2 (0.4)	28 (0.7)	51 (1.7)	446 (0.8)
Somewhat disagree, n (%)	11 (1.1)	16 (1.0)	96 (1.2)	153 (1.0)	5 (1.3)	6 (2.4)	371 (1.8)	9 (1.6)	70 (1.8)	82 (2.7)	819 (1.5)
Somewhat agree, n (%)	94 (9.4)	239 (14.3)	843 (10.6)	2667 (17.8)	47 (12.0)	27 (10.9)	2428 (11.6)	84 (15.2)	467 (12.1)	584 (19.1)	7480 (13.7)
Strongly agree, n (%)	878 (87.4)	1392 (83.1)	6885 (86.7)	11968 (79.8)	334 (85.0)	208 (84.2)	17914 (85.2)	449 (81.3)	3282 (84.9)	2245 (73.4)	45555 (83.2)
Don’t know/not sure, n (%)	9 (0.9)	19 (1.1)	67 (0.8)	101 (0.7)	5 (1.3)	2 (0.8)	126 (0.6)	8 (1.4)	20 (0.5)	96 (3.1)	453 (0.8)
Staff at WIC site can communicate in participant’s language, ² Mean (SD)	3.92 (0.08)	3.63 (0.21)	3.82 (0.14)	3.78 (0.12)	3.56 (0.31)	3.68 (0.44)	3.96 (0.02)	3.78 (0.18)	3.93 (0.04)	3.82 (0.10)	3.88 (0.42)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Strongly disagree, n (%)	9 (0.9)	64 (3.9)	97 (1.2)	116 (0.8)	20 (5.1)	15 (6.1)	38 (0.2)	6 (1.1)	16 (0.4)	41 (1.4)	422 (0.8)
Somewhat disagree, n (%)	12 (1.2)	52 (3.1)	63 (0.8)	230 (1.5)	24 (6.1)	2 (0.8)	70 (0.3)	16 (2.9)	21 (0.5)	54 (1.8)	544 (1.0)
Somewhat agree, n (%)	43 (4.3)	222 (13.4)	421 (5.3)	2021 (13.6)	58 (14.8)	12 (4.9)	571 (2.7)	72 (13.2)	173 (4.5)	413 (13.6)	4006 (7.3)
Strongly agree, n (%)	909 (90.7)	1122 (67.5)	7159 (90.4)	12377 (83.0)	258 (65.8)	192 (77.7)	20187 (96.1)	424 (77.9)	3600 (93.3)	2392 (79.0)	48620 (89.1)
Don't know/not sure, n (%)	29 (2.9)	201 (12.1)	181 (2.3)	170 (1.1)	32 (8.2)	26 (10.5)	143 (0.7)	26 (4.8)	50 (1.3)	127 (4.2)	985 (1.8)
Staff at WIC site can relate to participant's culture, ² Mean (SD)	3.69 (0.18)	3.47 (0.26)	3.56 (0.17)	3.64 (0.11)	3.56 (0.26)	3.58 (0.36)	3.84 (0.06)	3.61 (0.27)	3.70 (0.12)	3.60 (0.18)	3.74 (0.55)
Strongly disagree, n (%)	18 (1.8)	66 (4.0)	159 (2.0)	111 (0.7)	14 (3.6)	12 (4.9)	109 (0.5)	9 (1.7)	45 (1.2)	82 (2.7)	625 (1.1)
Somewhat disagree, n (%)	32 (3.2)	93 (5.6)	238 (3.0)	358 (2.4)	19 (4.9)	7 (2.9)	235 (1.1)	21 (3.9)	141 (3.7)	105 (3.5)	1249 (2.3)
Somewhat agree, n (%)	178 (17.8)	387 (23.4)	1162 (14.7)	3703 (24.9)	84 (21.5)	38 (15.5)	1915 (9.1)	113 (20.8)	644 (16.7)	722 (24.0)	8946 (16.4)
Strongly agree, n (%)	700 (70.1)	866 (52.5)	5835 (73.8)	10028 (67.4)	243 (62.3)	143 (58.4)	17982 (85.6)	345 (63.7)	2761 (71.5)	1783 (59.2)	40686 (74.7)
Don't know/not sure, n (%)	71 (7.1)	239 (14.5)	513 (6.5)	668 (4.5)	30 (7.7)	45 (18.4)	770 (3.7)	54 (10.0)	268 (6.9)	322 (10.7)	2980 (5.5)
Frequency participant interacted with WIC staff in preferred	3.70 (0.18)	3.06 (0.45)	3.59 (0.25)	3.34 (0.30)	2.81 (0.85)	3.51 (0.54)	3.89 (0.05)	3.47 (0.38)	3.83 (0.07)	3.57 (0.19)	3.66 (0.85)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
language, ³ Mean (SD) [D3]											
Never, n (%)	24 (2.4)	189 (11.3)	199 (2.5)	279 (1.9)	55 (14.0)	26 (10.5)	98 (0.5)	28 (5.1)	25 (0.6)	80 (2.6)	1003 (1.8)
Rarely, n (%)	19 (1.9)	58 (3.5)	148 (1.9)	553 (3.7)	30 (7.6)	5 (2.0)	142 (0.7)	16 (2.9)	38 (1.0)	96 (3.1)	1105 (2.0)
Sometimes, n (%)	43 (4.3)	139 (8.3)	315 (4.0)	2003 (13.4)	43 (10.9)	8 (3.2)	473 (2.3)	50 (9.1)	120 (3.1)	310 (10.2)	3504 (6.4)
Very often, n (%)	59 (5.9)	163 (9.8)	454 (5.7)	1834 (12.2)	46 (11.7)	13 (5.3)	541 (2.6)	54 (9.8)	180 (4.7)	298 (9.8)	3642 (6.7)
Always, n (%)	836 (83.0)	1008 (60.4)	6679 (84.1)	10160 (67.8)	206 (52.4)	176 (71.3)	19628 (93.4)	386 (69.9)	3465 (89.7)	2129 (69.8)	44673 (81.6)
Don't know/not sure, n (%)	26 (2.6)	113 (6.8)	143 (1.8)	165 (1.1)	13 (3.3)	19 (7.7)	137 (0.7)	18 (3.3)	36 (0.9)	139 (4.6)	809 (1.5)
Frequency participant received written materials from WIC in preferred language, ³ Mean (SD) [D3]	3.72 (0.25)	3.02 (0.42)	3.57 (0.20)	3.55 (0.21)	2.69 (0.90)	3.37 (0.63)	3.85 (0.05)	3.42 (0.51)	3.80 (0.11)	3.57 (0.25)	3.71 (0.84)
Never, n (%)	34 (3.4)	222 (13.4)	307 (3.9)	344 (2.3)	62 (15.8)	33 (13.4)	225 (1.1)	42 (7.7)	60 (1.6)	108 (3.6)	1437 (2.6)
Rarely, n (%)	16 (1.6)	52 (3.1)	120 (1.5)	309 (2.1)	18 (4.6)	1 (0.4)	180 (0.9)	8 (1.5)	55 (1.4)	64 (2.1)	823 (1.5)
Sometimes, n (%)	36 (3.6)	130 (7.9)	294 (3.7)	1127 (7.5)	61 (15.6)	11 (4.5)	500 (2.4)	37 (6.7)	108 (2.8)	206 (6.8)	2510 (4.6)
Very often, n (%)	51 (5.1)	131 (7.9)	366 (4.6)	1248 (8.4)	33 (8.4)	9 (3.7)	453 (2.2)	38 (6.9)	142 (3.7)	230 (7.6)	2701 (4.9)
Always, n (%)	822 (82.1)	959 (57.9)	6619 (83.7)	11648 (78.0)	189 (48.2)	174 (70.7)	19319 (92.0)	392 (71.4)	3426 (88.8)	2236 (73.9)	45784 (83.9)
Don't know/not sure, n (%)	42 (4.2)	161 (9.7)	200 (2.5)	253 (1.7)	29 (7.4)	18 (7.3)	330 (1.6)	32 (5.8)	66 (1.7)	181 (6.0)	1312 (2.4)
Ease of understanding WIC staff in preferred language, ⁴ Mean (SD) [D4]	3.90 (0.11)	3.74 (0.14)	3.87 (0.11)	3.73 (0.14)	3.73 (0.21)	3.88 (0.27)	3.96 (0.02)	3.76 (0.22)	3.94 (0.04)	3.78 (0.09)	3.86 (0.4)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Very difficult, n (%)	4 (0.4)	7 (0.5)	20 (0.3)	94 (0.6)	6 (1.7)	1 (0.5)	11 (0.1)	4 (0.8)	4 (0.1)	17 (0.6)	168 (0.3)
Somewhat difficult, n (%)	5 (0.5)	22 (1.5)	43 (0.6)	227 (1.5)	7 (2.0)	2 (1.0)	81 (0.4)	16 (3.1)	18 (0.5)	51 (1.8)	472 (0.9)
Somewhat easy, n (%)	75 (7.8)	283 (19.8)	560 (7.3)	2883 (19.4)	74 (21.4)	11 (5.3)	675 (3.2)	88 (16.8)	203 (5.3)	598 (20.6)	5450 (10.2)
Very easy, n (%)	864 (89.6)	1064 (74.5)	7006 (91.0)	11440 (77.0)	245 (71.0)	184 (88.5)	20019 (96.0)	401 (76.5)	3576 (93.4)	2176 (74.9)	46975 (87.6)
Don't know/not sure, n (%)	16 (1.7)	53 (3.7)	72 (0.9)	205 (1.4)	13 (3.8)	10 (4.8)	75 (0.4)	15 (2.9)	27 (0.7)	65 (2.2)	551 (1.0)
Ease of understanding written materials from WIC in preferred language, ⁴ Mean (SD) [D4]	3.89 (0.13)	3.72 (0.13)	3.87 (0.11)	3.78 (0.08)	3.63 (0.32)	3.94 (0.11)	3.96 (0.02)	3.77 (0.19)	3.94 (0.04)	3.82 (0.10)	3.88 (0.36)
Very difficult, n (%)	3 (0.3)	7 (0.5)	24 (0.3)	32 (0.2)	4 (1.2)	0 (0.0)	16 (0.1)	2 (0.4)	4 (0.1)	9 (0.3)	101 (0.2)
Somewhat difficult, n (%)	4 (0.4)	21 (1.5)	33 (0.4)	101 (0.7)	14 (4.1)	0 (0.0)	32 (0.2)	11 (2.1)	12 (0.3)	21 (0.7)	249 (0.5)
Somewhat easy, n (%)	80 (8.4)	305 (21.5)	540 (7.0)	3004 (20.3)	75 (21.8)	12 (5.8)	612 (2.9)	98 (18.8)	214 (5.6)	593 (20.6)	5533 (10.4)
Very easy, n (%)	848 (88.5)	997 (70.2)	6932 (90.4)	11386 (77.1)	226 (65.7)	184 (88.9)	20013 (96.0)	379 (72.9)	3553 (92.9)	2152 (74.6)	46670 (87.3)
Don't know/not sure, n (%)	23 (2.4)	90 (6.3)	140 (1.8)	241 (1.6)	25 (7.3)	11 (5.3)	169 (0.8)	30 (5.8)	41 (1.1)	110 (3.8)	880 (1.6)

1. Sample size may vary due to incomplete surveys. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Data presented are the average of each state's and tribal organization's average. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not. Questions were not available to ID WIC participants.
2. Scored as follows: Strongly disagree=1, Somewhat disagree=2, Somewhat agree=3, Strongly agree=4.
3. Scored as follows: Never=0, Rarely=1, Sometimes=2, Very often=3, Always=4.
4. Question was asked to those who answered (Rarely=1, Sometimes=2, Very often=3, Always=4) to the previous questions regarding frequency of interacting with staff or written material in their preferred language. Scored as follows: Very difficult=1, Somewhat difficult=2, Somewhat easy=3, Very easy=4.

Shopping for WIC Foods

Respondents were asked to rate their satisfaction with the various WIC shopping methods made available to them (on a scale of 1=very unsatisfied to 4=very satisfied). They were also asked to rate their interest in several WIC shopping options they would use if made available in the future. Finally, respondents were asked to select reasons for why they did not buy all of their WIC foods, and how often they experienced certain challenges while shopping for WIC foods (on a scale of 0=never a problem to 2=often a problem). Results are stratified by respondents' survey language (**Table 5a**) and self-reported race/ethnicity (**Table 5b**).

Table 5a. Experiences Shopping for WIC Foods, by Survey Language¹

Table summary: Table 5a. lists survey participant experiences shopping for WIC foods in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole). The final column lists the total.

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Satisfaction with WIC shopping options					
In-person, ^{2,3} Mean (SD) [E1]	3.53 (0.10)	3.86 (0.08)	3.47 (0.45)	3.79 (0.21)	3.65 (0.66)
Did not shop in this way, n (%)	95 (0.2)	48 (0.4)	1 (0.3)	1 (1.2)	145 (0.3)
Very unsatisfied, n (%)	892 (2.1)	46 (0.4)	8 (2.0)	0 (0.0)	946 (1.7)
Somewhat unsatisfied, n (%)	3256 (7.5)	140 (1.1)	15 (3.8)	2 (2.4)	3413 (6.1)
Somewhat satisfied, n (%)	10486 (24.2)	1167 (9.6)	90 (22.8)	12 (14.3)	11755 (21.0)
Very satisfied, n (%)	28404 (65.5)	10735 (88.0)	279 (70.6)	66 (78.6)	39484 (70.5)
Don't know/not sure, n (%)	206 (0.5)	61 (0.5)	2 (0.5)	3 (3.6)	272 (0.5)
Farmers' market, ^{2,4} Mean (SD) (n=35920) [E1]	3.56 (0.18)	3.59 (0.34)	3.51 (0.23)	3.55 (0.41)	3.68 (0.67)
Did not shop in this way, n (%)	9866 (35.3)	1546 (20.8)	82 (33.5)	7 (14.9)	11501 (32.2)
Very unsatisfied, n (%)	554 (2.0)	36 (0.5)	3 (1.2)	0 (0.0)	593 (1.7)
Somewhat unsatisfied, n (%)	800 (2.9)	117 (1.6)	6 (2.4)	1 (2.1)	924 (2.6)
Somewhat satisfied, n (%)	2871 (10.3)	872 (11.8)	36 (14.7)	14 (29.8)	3793 (10.6)
Very satisfied, n (%)	11398 (40.8)	4242 (57.2)	96 (39.2)	18 (38.3)	15754 (44.2)
Don't know/not sure, n (%)	2470 (8.8)	602 (8.1)	22 (9.0)	7 (14.9)	3101 (8.7)
Online, ^{2,5} Mean (SD) (n=5202) [E1]	3.02 (0.16)	3.64 (0.15)	3.65 (0.49)	4.00 (0.0)	3.03 (1.17)
Did not shop in this way, n (%)	2578 (58.6)	455 (60.6)	16 (57.1)	1 (50.0)	3050 (58.8)
Very unsatisfied, n (%)	275 (6.2)	9 (1.2)	1 (3.6)	0 (0.0)	285 (5.5)
Somewhat unsatisfied, n (%)	144 (3.3)	10 (1.3)	1 (3.6)	0 (0.0)	155 (3.0)
Somewhat satisfied, n (%)	275 (6.2)	32 (4.3)	2 (7.1)	0 (0.0)	309 (6.0)
Very satisfied, n (%)	689 (15.7)	142 (18.9)	7 (25.0)	1 (50.0)	839 (16.2)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Don't know/not sure, n (%)	441 (10.0)	103 (13.7)	1 (3.6)	0 (0.0)	545 (10.5)
Interest in potential WIC shopping options, n (%) [E2]					
Preordering online for pick up at the store or curbside ⁶ (n=55530)					
Not Interested	5461 (12.8)	2874 (23.8)	159 (41.5)	27 (34.6)	8521 (15.4)
Interested	33743 (78.9)	6582 (54.5)	92 (24.0)	18 (23.1)	40435 (73.1)
Don't know/not sure	3582 (8.4)	2610 (21.6)	132 (34.5)	33 (42.3)	6357 (11.5)
Preordering online for at home delivery for an additional fee ⁷ (n=51651)					
Not Interested	14962 (38.5)	5285 (44.3)	208 (55.0)	33 (43.4)	20488 (40.0)
Interested	19331 (49.8)	3863 (32.4)	44 (11.6)	15 (19.7)	23253 (45.4)
Don't know/not sure	4563 (11.7)	2771 (23.2)	126 (33.3)	28 (36.8)	7488 (14.6)
Preordering online for at home delivery for no additional cost for delivery ⁸ (n=55319)					
Not Interested	6282 (14.8)	3195 (26.9)	164 (43.7)	25 (33.3)	9666 (17.6)
Interested	32837 (77.4)	6513 (54.8)	88 (23.5)	19 (25.3)	39457 (72.0)
Don't know/not sure	3317 (7.8)	2185 (18.4)	123 (32.8)	31 (41.3)	5656 (10.3)
Using a self-checkout aisle in the store ⁹ (n=33380)					
Not Interested	1522 (5.6)	1381 (25.1)	62 (21.1)	18 (34.0)	2983 (9.0)
Interested	24644 (90.6)	2818 (51.3)	164 (55.8)	21 (39.6)	27647 (83.7)
Don't know/not sure	1020 (3.8)	1295 (23.6)	68 (23.1)	14 (26.4)	2397 (7.3)
Using a drive through window at the store ¹⁰ (n=40475)					
Not Interested	7249 (23.3)	2337 (27.0)	120 (49.8)	16 (42.1)	9722 (24.3)
Interested	20202 (65.1)	4401 (50.9)	43 (17.8)	7 (18.4)	24653 (61.7)
Don't know/not sure	3604 (11.6)	1911 (22.1)	78 (32.4)	15 (39.5)	5608 (14.0)
Going to a special WIC approved foods section in the store ¹¹ (n=43866)					
Not Interested	4489 (13.3)	1883 (20.5)	28 (8.7)	4 (10.3)	6404 (14.8)
Interested	26919 (79.6)	5536 (60.4)	245 (75.9)	26 (66.7)	32726 (75.5)
Don't know/not sure	2389 (7.1)	1747 (19.1)	50 (15.5)	9 (23.1)	4195 (9.7)
Going to a special WIC-only store that only sells WIC approved foods ¹² (n=42528)					
Not Interested	5177 (16.2)	1223 (12.6)	70 (25.4)	8 (19.5)	6478 (15.4)
Interested	24054 (75.2)	7270 (74.9)	110 (39.9)	19 (46.3)	31453 (74.9)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Don't know/not sure	2750 (8.6)	1218 (12.5)	96 (34.8)	14 (34.1)	4078 (9.7)
Shopping for fruits and vegetables at a farmers' market using WIC benefits ¹³ (n=44514)					
Not Interested	2237 (6.3)	703 (8.7)	63 (20.1)	8 (15.1)	3011 (6.8)
Interested	30702 (86.3)	6322 (78.3)	148 (47.3)	31 (58.5)	37203 (84.5)
Don't know/not sure	2627 (7.4)	1050 (13.0)	102 (32.6)	14 (26.4)	3793 (8.6)
Reasons families did not buy all their WIC foods, ¹⁴ n (%) [E3]					
Able to buy enough food with SNAP	3929 (9.1)	701 (5.8)	30 (7.6)	4 (4.8)	4664 (8.3)
Able to buy enough food with Summer-EBT (SUN Bucks) ¹⁵ (n=48029)	948 (2.6)	190 (1.7)	6 (1.6)	1 (1.2)	1145 (2.4)
Did not need WIC as much due to food pantries/meal distribution sites	1199 (2.8)	298 (2.5)	9 (2.3)	0 (0.0)	1506 (2.7)
Lack of transportation	3369 (7.8)	1142 (9.4)	31 (7.9)	11 (13.3)	4553 (8.1)
Do not like some WIC food choices	11648 (26.9)	1121 (9.3)	103 (26.1)	3 (3.6)	12875 (23.0)
WIC foods not appropriate due to food allergies	1674 (3.9)	97 (0.8)	11 (2.8)	1 (1.2)	1783 (3.2)
Farmers' Markets that accept WIC are difficult to get to ¹⁶ (n=35920)	2161 (7.7)	285 (3.8)	36 (14.6)	7 (13.7)	2489 (7.0)
Ran out of time to buy WIC foods before benefits expired	9869 (22.8)	1430 (11.8)	41 (10.4)	8 (9.6)	11348 (20.3)
Did not receive WIC card in time ¹⁷ (n=53035)	181 (0.4)	51 (0.4)	6 (1.6)	1 (1.3)	239 (0.5)
Could not find WIC foods where shop	6697 (15.5)	1473 (12.2)	63 (16.0)	10 (12.0)	8243 (14.7)
Forgot to use all of WIC benefits	7232 (16.7)	1065 (8.8)	32 (8.1)	7 (8.4)	8336 (14.9)
Always buy all WIC foods	12443 (28.7)	5579 (46.1)	160 (40.6)	38 (45.8)	18220 (32.6)
None of these	4009 (9.3)	1434 (11.8)	37 (9.4)	11 (13.3)	5491 (9.8)
Frequency of problems shopping for WIC foods [E4]					
WIC foods hard to find in the store, ¹⁸ Mean (SD)	0.88 (0.08)	0.62 (0.12)	0.62 (0.28)	0.64 (0.54)	0.8 (0.66)
Never a problem, n (%)	12035 (27.8)	5599 (46.0)	198 (50.3)	39 (47.6)	17871 (31.9)
Sometimes a problem, n (%)	23807 (55.0)	5210 (42.8)	128 (32.5)	28 (34.1)	29173 (52.1)
Often a problem, n (%)	6839 (15.8)	969 (8.0)	45 (11.4)	8 (9.8)	7861 (14.0)
Don't know/not sure, n (%)	642 (1.5)	393 (3.2)	23 (5.8)	7 (8.5)	1065 (1.9)
Get to register and don't have the right foods for WIC, ¹⁸ Mean (SD)	0.75 (0.12)	0.53 (0.13)	0.54 (0.29)	0.58 (0.53)	0.69 (0.67)
Never a problem, n (%)	15901 (36.8)	6237 (51.9)	191 (49.2)	34 (44.7)	22363 (40.1)
Sometimes a problem, n (%)	20323 (47.0)	3968 (33.0)	116 (29.9)	22 (28.9)	24429 (43.8)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Often a problem, n (%)	5737 (13.3)	661 (5.5)	25 (6.4)	9 (11.8)	6432 (11.5)
Don't know/not sure, n (%)	1296 (3.0)	1155 (9.6)	56 (14.4)	11 (14.5)	2518 (4.5)
Cashier seems annoyed with participant, ¹⁸ Mean (SD)	0.57 (0.08)	0.36 (0.11)	0.14 (0.23)	0.21 (0.35)	0.53 (0.7)
Never a problem, n (%)	23134 (53.5)	7666 (64.0)	248 (63.6)	45 (60.8)	31093 (55.8)
Sometimes a problem, n (%)	12076 (27.9)	2776 (23.2)	48 (12.3)	10 (13.5)	14910 (26.8)
Often a problem, n (%)	5676 (13.1)	737 (6.1)	16 (4.1)	3 (4.1)	6432 (11.6)
Don't know/not sure, n (%)	2349 (5.4)	807 (6.7)	78 (20.0)	16 (21.6)	3250 (5.8)
Other customers in line seem annoyed with participant, ¹⁸ Mean (SD)	0.57 (0.08)	0.36 (0.12)	0.09 (0.14)	0.31 (0.41)	0.51 (0.69)
Never a problem, n (%)	22580 (52.2)	7752 (64.9)	268 (69.3)	44 (59.5)	30644 (55.1)
Sometimes a problem, n (%)	12450 (28.8)	2616 (21.9)	37 (9.6)	9 (12.2)	15112 (27.2)
Often a problem, n (%)	5090 (11.8)	629 (5.3)	14 (3.6)	5 (6.8)	5738 (10.3)
Don't know/not sure, n (%)	3097 (7.2)	949 (7.9)	68 (17.6)	16 (21.6)	4130 (7.4)
Preferred food brands not always available in the store, ¹⁸ Mean (SD)	0.85 (0.07)	0.62 (0.12)	0.73 (0.52)	0.61 (0.56)	0.78 (0.71)
Never a problem, n (%)	13973 (32.3)	5680 (47.6)	169 (43.4)	35 (48.6)	19857 (35.7)
Sometimes a problem, n (%)	20116 (46.6)	4381 (36.7)	116 (29.8)	15 (20.8)	24628 (44.3)
Often a problem, n (%)	7620 (17.6)	1141 (9.6)	56 (14.4)	10 (13.9)	8827 (15.9)
Don't know/not sure, n (%)	1495 (3.5)	724 (6.1)	48 (12.3)	12 (16.7)	2279 (4.1)
WIC foods approved at one store are not same as foods approved at another store, ^{18,19} Mean (SD) (n=52698)	0.85 (0.10)	0.00 (0.00)	0.67 (0.48)	0.49 (0.60)	0.86 (0.76)
Never a problem, n (%)	13575 (33.2)	0 (0.0)	149 (40.9)	33 (51.6)	13757 (33.3)
Sometimes a problem, n (%)	15563 (38.1)	0 (0.0)	122 (33.5)	8 (12.5)	15693 (38.0)
Often a problem, n (%)	8396 (20.5)	0 (0.0)	42 (11.5)	8 (12.5)	8446 (20.4)
Don't know/not sure, n (%)	3359 (8.2)	0 (0.0)	51 (14.0)	15 (23.4)	3425 (8.3)
Could not use self-checkout for WIC foods, ^{18,20} Mean (SD) (n=54109)	0.71 (0.25)	0.32 (0.22)	0.38 (0.44)	0.36 (0.56)	0.57 (0.77)
Never a problem, n (%)	20536 (49.2)	7410 (65.6)	198 (55.9)	43 (62.3)	28187 (52.7)
Sometimes a problem, n (%)	9559 (22.9)	1436 (12.7)	41 (11.6)	9 (13.0)	11045 (20.7)
Often a problem, n (%)	8001 (19.2)	551 (4.9)	23 (6.5)	4 (5.8)	8579 (16.0)
Don't know/not sure, n (%)	3666 (8.8)	1904 (16.8)	92 (26.0)	13 (18.8)	5675 (10.6)
Could not do curbside pick-up for WIC foods, ^{18,21} Mean (SD) (n=3560)	0.99 (0.12)	0.33 (0.25)	0.00 (0.00)	0.22 (0.38)	0.75 (0.89)
Never a problem, n (%)	726 (25.2)	398 (64.7)	10 (76.9)	4 (80.0)	1138 (32.4)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Sometimes a problem, n (%)	311 (10.8)	33 (5.4)	0 (0.0)	0 (0.0)	344 (9.8)
Often a problem, n (%)	749 (26.0)	18 (2.9)	0 (0.0)	1 (20.0)	768 (21.8)
Don't know/not sure, n (%)	1096 (38.0)	166 (27.0)	3 (23.1)	0 (0.0)	1265 (36.0)
Staff at the store don't know how to run a WIC transaction, ¹⁸ Mean (SD)	0.44 (0.07)	0.21 (0.09)	0.35 (0.30)	0.15 (0.20)	0.39 (0.59)
Never a problem, n (%)	25406 (58.9)	8723 (74.1)	229 (59.2)	48 (68.6)	34406 (62.1)
Sometimes a problem, n (%)	12755 (29.6)	1856 (15.8)	71 (18.3)	5 (7.1)	14687 (26.5)
Often a problem, n (%)	2704 (6.3)	271 (2.3)	29 (7.5)	1 (1.4)	3005 (5.4)
Don't know/not sure, n (%)	2274 (5.3)	928 (7.9)	58 (15.0)	16 (22.9)	3276 (5.9)
None of the above (often or sometimes a problem), n (%)	4838 (11.2)	2720 (22.3)	89 (22.6)	17 (20.2)	7664 (13.7)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
3. Response option for KY WIC participants was 'Shopping for WIC foods in-person at my local store'.
4. Response option only available to HI, IL, KY, LA, ME, MD, MN, MT, NY, NC, OH, WV, and WI WIC participants. Response option for HI was 'Fruits and vegetables cash benefits at Farmers' Markets for HI WIC participants.
5. Response option only available to MN, NE, and SD WIC participants.
6. Response option not available to NH WIC participants.
7. Response option not available to MT, WCD, and WV WIC participants.
8. Response option not available to MT and WCD WIC participants.
9. Response option not available to CO, ID, KS, MD, NV, NH, OH, Pueblo of Isleta, UT, WCD, and WI WIC participants.
10. Response option not available to CO, CT, MI, NY, UT, WCD, and WV WIC participants.
11. Response option not available to CO, ME, NC, WCD, and WV WIC participants.
12. Response option not available to CT, KY, ME, MI, MT, NE, NC, Pueblo of Isleta, WCD, and WV participants.
13. Response option not available to CO, MD, NE, OH, and WCD WIC participants.
14. Respondents could select all that apply.
15. Response option not available to ID, MN, SD, VA, and WCD WIC participants.
16. Response option not available to CO, CT, ID, KS, MI, NE, NV, NH, NM, Pueblo of Isleta, SD, UT, VA, and WCD WIC participants.
17. Response option not available to KY and NM WIC participants.
18. Scored as follows: Never a problem=0, sometimes a problem=1, often a problem=2.
19. Response option not available to CO WIC participants. Option not asked in Spanish due to survey translation error.
20. Response option not available to IL WIC participants.
21. Response option only available to HI, ME, MT, NV, and NH WIC participants.

Table 5b. Experiences Shopping for WIC Foods, by Race/Ethnicity¹

Table summary: Table 5b. lists survey participant experiences shopping for WIC foods in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Experience	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Satisfaction with WIC shopping options											
In-person, ^{2,3} Mean (SD) [E1]	3.60 (0.21)	3.66 (0.16)	3.64 (0.10)	3.78 (0.07)	3.56 (0.28)	3.49 (0.75)	3.47 (0.13)	3.62 (0.24)	3.48 (0.12)	3.46 (0.24)	3.65 (0.66)
Did not shop in this way, n (%)	4 (0.4)	9 (0.5)	23 (0.3)	52 (0.3)	0 (0.0)	1 (0.4)	29 (0.1)	4 (0.7)	13 (0.3)	10 (0.3)	145 (0.3)
Very unsatisfied, n (%)	14 (1.4)	27 (1.6)	142 (1.8)	100 (0.7)	12 (3.0)	8 (3.2)	426 (2.0)	18 (3.2)	119 (3.0)	80 (2.6)	946 (1.7)
Somewhat unsatisfied, n (%)	61 (6.0)	79 (4.7)	444 (5.6)	382 (2.5)	27 (6.8)	7 (2.8)	1821 (8.4)	29 (5.2)	341 (8.5)	222 (7.2)	3413 (6.1)
Somewhat satisfied, n (%)	182 (17.8)	381 (22.6)	1452 (18.3)	1903 (12.5)	88 (22.3)	32 (12.8)	5971 (27.4)	108 (19.4)	1020 (25.6)	618 (20.0)	11755 (21.0)
Very satisfied, n (%)	760 (74.1)	1179 (69.9)	5840 (73.5)	12788 (83.7)	268 (67.8)	200 (80.0)	13479 (61.9)	393 (70.7)	2484 (62.2)	2093 (67.7)	39484 (70.5)
Don't know/not sure, n (%)	4 (0.4)	12 (0.7)	42 (0.5)	58 (0.4)	0 (0.0)	2 (0.8)	67 (0.3)	4 (0.7)	15 (0.4)	68 (2.2)	272 (0.5)
Farmers' market, ^{2,4} Mean (SD) (n=35920) [E1]											
Did not shop in this way, n (%)	145 (30.0)	256 (22.7)	1872 (29.9)	2038 (24.2)	74 (32.7)	32 (30.8)	5752 (39.5)	81 (22.4)	778 (35.5)	473 (24.4)	11501 (32.2)
Very unsatisfied, n (%)	11 (2.3)	11 (1.0)	89 (1.4)	60 (0.7)	2 (0.9)	1 (1.0)	310 (2.1)	5 (1.4)	59 (2.7)	45 (2.3)	593 (1.7)
Somewhat unsatisfied, n (%)	17 (3.5)	45 (4.0)	135 (2.2)	159 (1.9)	8 (3.5)	1 (1.0)	426 (2.9)	12 (3.3)	68 (3.1)	53 (2.7)	924 (2.6)
Somewhat satisfied, n (%)	45 (9.3)	177 (15.7)	625 (10.0)	962 (11.4)	36 (15.9)	5 (4.8)	1480 (10.2)	36 (9.9)	205 (9.4)	222 (11.5)	3793 (10.6)
Very satisfied, n (%)	231 (47.7)	553 (49.1)	3094 (49.4)	4516 (53.7)	89 (39.4)	59 (56.7)	5262 (36.1)	196 (54.1)	880 (40.2)	874 (45.1)	15754 (44.2)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Don't know/not sure, n (%)	35 (7.2)	85 (7.5)	451 (7.2)	675 (8.0)	17 (7.5)	6 (5.8)	1331 (9.1)	32 (8.8)	199 (9.1)	270 (13.9)	3101 (8.7)
Online, ^{2,5} Mean (SD) (n=5202) [E1]	3.33 (0.11)	3.41 (0.11)	3.24 (0.21)	3.65 (0.15)	3.86 (0.20)	3.89 (0.19)	2.77 (0.16)	2.83 (0.53)	3.07 (0.31)	2.68 (0.48)	3.03 (1.17)
Did not shop in this way, n (%)	142 (61.7)	146 (50.3)	183 (52.3)	585 (57.7)	10 (45.5)	4 (40.0)	1608 (61.7)	23 (46.9)	232 (58.1)	117 (55.2)	3050 (58.8)
Very unsatisfied, n (%)	7 (3.0)	5 (1.7)	13 (3.7)	14 (1.4)	0 (0.0)	0 (0.0)	208 (8.0)	4 (8.2)	19 (4.8)	15 (7.1)	285 (5.5)
Somewhat unsatisfied, n (%)	5 (2.2)	7 (2.4)	10 (2.9)	18 (1.8)	0 (0.0)	0 (0.0)	87 (3.3)	2 (4.1)	19 (4.8)	7 (3.3)	155 (3.0)
Somewhat satisfied, n (%)	15 (6.5)	35 (12.1)	23 (6.6)	48 (4.7)	2 (9.1)	1 (10.0)	139 (5.3)	5 (10.2)	29 (7.3)	12 (5.7)	309 (6.0)
Very satisfied, n (%)	46 (20.0)	59 (20.3)	78 (22.3)	226 (22.3)	7 (31.8)	5 (50.0)	327 (12.5)	5 (10.2)	64 (16.0)	22 (10.4)	839 (16.2)
Don't know/not sure, n (%)	15 (6.5)	38 (13.1)	43 (12.3)	122 (12.0)	3 (13.6)	0 (0.0)	239 (9.2)	10 (20.4)	36 (9.0)	39 (18.4)	545 (10.5)
Interest in potential WIC shopping options, n (%) [E2]											
Preordering online for pick up at the store or curbside ⁶ (n=55530)											
Not interested	157 (15.4)	321 (19.2)	966 (12.2)	3119 (20.6)	127 (32.5)	37 (14.8)	2697 (12.6)	113 (20.7)	461 (11.7)	523 (17.1)	8521 (15.4)
Interested	737 (72.3)	1109 (66.4)	6363 (80.3)	9472 (62.5)	177 (45.3)	182 (72.8)	16966 (79.4)	342 (62.5)	3219 (81.4)	1868 (61.2)	40435 (73.1)
Don't know/not sure	125 (12.3)	239 (14.3)	591 (7.5)	2559 (16.9)	87 (22.3)	31 (12.4)	1697 (7.9)	92 (16.8)	275 (7.0)	661 (21.7)	6357 (11.5)
Preordering online for at home delivery for an additional fee ⁷ (n=51651)											
Not interested	326 (38.2)	753 (46.3)	2285 (29.4)	6351 (42.5)	199 (52.0)	103 (41.2)	7752 (42.5)	215 (40.4)	1305 (35.6)	1199 (40.5)	20488 (40.0)
Interested	406 (47.5)	604 (37.1)	4734 (60.8)	5707 (38.2)	104 (27.2)	109 (43.6)	8390 (46.0)	204 (38.3)	1964 (53.5)	1031 (34.8)	23253 (45.4)
Don't know/not sure	122 (14.3)	269 (16.5)	762 (9.8)	2893 (19.3)	80 (20.9)	38 (15.2)	2078 (11.4)	113 (21.2)	401 (10.9)	732 (24.7)	7488 (14.6)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Preordering online for at home delivery for no additional cost for delivery ⁸ (n=55319)											
Not interested	168 (19.5)	304 (18.4)	986 (12.5)	3440 (23.0)	123 (31.8)	41 (16.4)	3416 (16.0)	118 (21.7)	471 (12.2)	599 (20.0)	9666 (17.6)
Interested	592 (68.7)	1127 (68.3)	6334 (80.6)	9386 (62.7)	185 (47.8)	179 (71.6)	16367 (76.5)	332 (61.0)	3170 (81.8)	1785 (59.6)	39457 (72.0)
Don't know/not sure	102 (11.8)	220 (13.3)	540 (6.9)	2142 (14.3)	79 (20.4)	30 (12.0)	1603 (7.5)	94 (17.3)	234 (6.0)	612 (20.4)	5656 (10.3)
Using a self-checkout aisle in the store ⁹ (n=33380)											
Not interested	44 (6.4)	80 (8.3)	359 (6.6)	1338 (18.7)	41 (14.5)	9 (8.7)	712 (5.1)	51 (15.4)	104 (4.5)	245 (14.7)	2983 (9.0)
Interested	600 (87.0)	809 (83.6)	4890 (89.3)	4665 (65.1)	202 (71.4)	91 (88.3)	12950 (92.1)	230 (69.3)	2113 (92.4)	1097 (66.0)	27647 (83.7)
Don't know/not sure	46 (6.7)	79 (8.2)	226 (4.1)	1165 (16.3)	40 (14.1)	3 (2.9)	396 (2.8)	51 (15.4)	70 (3.1)	321 (19.3)	2397 (7.3)
Using a drive through window ¹⁰ (n=40475)											
Not interested	216 (26.4)	310 (24.6)	1283 (19.0)	2737 (25.3)	91 (37.8)	30 (21.0)	3828 (26.2)	114 (31.1)	593 (21.2)	520 (23.7)	9722 (24.3)
Interested	479 (58.6)	739 (58.7)	4803 (71.3)	6133 (56.7)	108 (44.8)	95 (66.4)	9076 (62.1)	187 (51.1)	1897 (67.8)	1136 (51.8)	24653 (61.7)
Don't know/not sure	122 (14.9)	211 (16.7)	652 (9.7)	1949 (18.0)	42 (17.4)	18 (12.6)	1704 (11.7)	65 (17.8)	308 (11.0)	537 (24.5)	5608 (14.0)
Going to a special WIC approved foods section in the store ¹¹ (n=43866)											
Not interested	95 (11.2)	136 (9.4)	510 (7.5)	1958 (16.9)	28 (8.7)	26 (11.1)	2852 (17.6)	50 (11.8)	368 (12.0)	381 (16.2)	6404 (14.8)
Interested	668 (78.7)	1189 (81.9)	5995 (88.0)	7984 (68.7)	263 (81.9)	185 (78.7)	12115 (74.8)	318 (75.4)	2478 (80.9)	1531 (64.9)	32726 (75.5)
Don't know/not sure	86 (10.1)	127 (8.7)	308 (4.5)	1674 (14.4)	30 (9.3)	24 (10.2)	1229 (7.6)	54 (12.8)	217 (7.1)	446 (18.9)	4195 (9.7)
Going to a special WIC-only store that only sells WIC											

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
approved foods ¹² (n=42528)											
Not interested	110 (14.7)	167 (11.8)	619 (9.6)	1513 (12.1)	61 (23.1)	32 (13.3)	3167 (21.7)	67 (16.3)	400 (13.1)	342 (14.3)	6478 (15.4)
Interested	566 (75.5)	1099 (77.6)	5450 (84.5)	9659 (77.5)	156 (59.1)	181 (75.4)	10012 (68.7)	292 (71.2)	2401 (78.5)	1637 (68.6)	31453 (74.9)
Don't know/not sure	74 (9.9)	151 (10.7)	378 (5.9)	1291 (10.4)	47 (17.8)	27 (11.2)	1394 (9.6)	51 (12.4)	259 (8.5)	406 (17.0)	4078 (9.7)
Shopping for fruits and vegetables at a farmers' market using WIC benefits ¹³ (n=44514)											
Not interested	62 (7.3)	96 (7.3)	379 (6.2)	808 (7.7)	42 (13.4)	13 (5.8)	1266 (6.7)	37 (9.1)	149 (4.8)	159 (7.2)	3011 (6.8)
Interested	712 (83.4)	1096 (83.3)	5375 (87.5)	8609 (81.7)	198 (63.1)	193 (86.2)	16215 (85.7)	329 (80.6)	2768 (89.3)	1708 (77.6)	37203 (84.5)
Don't know/not sure	80 (9.4)	123 (9.4)	392 (6.4)	1118 (10.6)	74 (23.6)	18 (8.0)	1432 (7.6)	42 (10.3)	181 (5.8)	333 (15.1)	3793 (8.6)
Reasons families did not buy all their WIC foods, ¹⁴ n (%) [E3]											
Able to buy enough food with SNAP	149 (14.6)	127 (7.5)	1123 (14.1)	959 (6.3)	30 (7.6)	21 (8.4)	1601 (7.3)	53 (9.6)	394 (9.9)	207 (6.7)	4664 (8.3)
Able to buy enough food with Summer-EBT (SUN Bucks) ¹⁵ (n=48029)	34 (4.8)	37 (2.8)	286 (4.1)	264 (1.9)	7 (2.0)	5 (2.1)	345 (1.9)	15 (3.0)	97 (2.9)	55 (2.0)	1145 (2.4)
Did not need WIC as much due to food pantries/meal distribution sites	53 (5.2)	47 (2.8)	229 (2.9)	358 (2.4)	5 (1.3)	11 (4.4)	552 (2.5)	22 (4.0)	153 (3.8)	76 (2.5)	1506 (2.7)
Lack of transportation	109 (10.7)	87 (5.2)	817 (10.3)	1414 (9.3)	27 (6.9)	25 (10.0)	1338 (6.1)	32 (5.8)	448 (11.2)	256 (8.3)	4553 (8.1)
Do not like some WIC food choices	158 (15.5)	411 (24.4)	1623 (20.4)	1774 (11.7)	109 (27.7)	37 (14.8)	7076 (32.5)	101 (18.2)	1037 (26.0)	549 (17.9)	12875 (23.0)
WIC foods not appropriate due to food allergies	28 (2.7)	53 (3.1)	164 (2.1)	160 (1.1)	15 (3.8)	3 (1.2)	1027 (4.7)	19 (3.4)	197 (4.9)	117 (3.8)	1783 (3.2)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Farmers' Markets that accept WIC are difficult to get to ¹⁶ (n=35920)	26 (5.3)	72 (6.3)	373 (5.9)	368 (4.3)	30 (13.3)	4 (3.8)	1279 (8.8)	19 (5.2)	201 (9.2)	117 (6.0)	2489 (7.0)
Ran out of time to buy WIC foods before benefits expire	251 (24.6)	256 (15.2)	1511 (19.0)	2405 (15.8)	61 (15.5)	48 (19.2)	5181 (23.8)	62 (11.2)	1081 (27.1)	492 (16.0)	11348 (20.3)
Did not receive WIC card in time ¹⁷ (n=53035)	10 (1.2)	9 (0.5)	48 (0.6)	60 (0.4)	3 (0.8)	1 (0.4)	59 (0.3)	4 (0.7)	27 (0.7)	18 (0.6)	239 (0.5)
Could not find WIC foods where I shop	147 (14.4)	191 (11.3)	1045 (13.2)	2047 (13.5)	60 (15.3)	24 (9.6)	3438 (15.8)	72 (13.0)	760 (19.0)	459 (15.0)	8243 (14.7)
Forgot to use all of WIC benefits	195 (19.1)	202 (12.0)	943 (11.9)	1634 (10.7)	22 (5.6)	45 (18.0)	4207 (19.3)	40 (7.2)	753 (18.9)	295 (9.6)	8336 (14.9)
Always buy all WIC foods	285 (27.9)	660 (39.1)	2379 (30.0)	6479 (42.6)	168 (42.7)	85 (34.0)	5822 (26.7)	204 (36.8)	1078 (27.0)	1060 (34.5)	18220 (32.6)
None of these	98 (9.6)	173 (10.3)	895 (11.3)	1575 (10.4)	24 (6.1)	41 (16.4)	1780 (8.2)	80 (14.4)	313 (7.8)	512 (16.7)	5491 (9.8)
Frequency of problems shopping for WIC foods [E4]											
WIC foods are hard to find, ¹⁸ Mean (SD)	0.76 (0.26)	0.76 (0.20)	0.80 (0.14)	0.70 (0.10)	0.69 (0.31)	0.78 (0.43)	0.93 (0.11)	0.77 (0.25)	0.92 (0.13)	0.88 (0.19)	0.8 (0.66)
Never a problem, n (%)	365 (35.6)	612 (36.3)	2894 (36.5)	6197 (40.6)	162 (41.3)	108 (43.2)	5278 (24.2)	210 (37.7)	1000 (25.1)	1045 (33.9)	17871 (31.9)
Sometimes a problem, n (%)	499 (48.7)	820 (48.7)	3705 (46.7)	7209 (47.2)	156 (39.8)	108 (43.2)	12802 (58.8)	229 (41.1)	2253 (56.5)	1392 (45.2)	29173 (52.1)
Often a problem, n (%)	138 (13.5)	212 (12.6)	1175 (14.8)	1505 (9.9)	65 (16.6)	28 (11.2)	3470 (15.9)	93 (16.7)	694 (17.4)	481 (15.6)	7861 (14.0)
Don't know/not sure, n (%)	23 (2.2)	40 (2.4)	161 (2.0)	352 (2.3)	9 (2.3)	6 (2.4)	240 (1.1)	25 (4.5)	44 (1.1)	165 (5.4)	1065 (1.9)
Get to register and don't have the right foods for WIC, ¹⁸ Mean (SD)	0.73 (0.23)	0.61 (0.21)	0.73 (0.16)	0.58 (0.12)	0.62 (0.27)	0.74 (0.45)	0.78 (0.15)	0.63 (0.28)	0.82 (0.16)	0.73 (0.18)	0.69 (0.67)
Never a problem, n (%)	378 (37.0)	737 (44.2)	3085 (39.0)	7318 (48.3)	173 (44.5)	118 (47.2)	7788 (35.7)	230 (41.9)	1373 (34.4)	1163 (38.2)	22363 (40.1)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Sometimes a problem, n (%)	461 (45.1)	673 (40.3)	3351 (42.4)	5606 (37.0)	137 (35.2)	88 (35.2)	10851 (49.8)	208 (37.9)	1904 (47.7)	1150 (37.8)	24429 (43.8)
Often a problem, n (%)	147 (14.4)	159 (9.5)	1226 (15.5)	1170 (7.7)	44 (11.3)	30 (12.0)	2606 (12.0)	66 (12.0)	610 (15.3)	374 (12.3)	6432 (11.5)
Don't know/not sure, n (%)	36 (3.5)	99 (5.9)	243 (3.1)	1051 (6.9)	35 (9.0)	14 (5.6)	540 (2.5)	45 (8.2)	101 (2.5)	354 (11.6)	2518 (4.5)
Cashier seems annoyed with participant, ¹⁸ Mean (SD)	0.60 (0.24)	0.35 (0.17)	0.45 (0.13)	0.43 (0.13)	0.28 (0.27)	0.48 (0.50)	0.58 (0.11)	0.43 (0.27)	0.66 (0.16)	0.61 (0.14)	0.53 (0.7)
Never a problem, n (%)	504 (49.6)	1035 (62.0)	4728 (59.9)	9134 (60.4)	239 (61.3)	150 (60.0)	11511 (52.9)	295 (53.9)	1955 (49.1)	1542 (50.8)	31093 (55.8)
Sometimes a problem, n (%)	290 (28.5)	378 (22.6)	1850 (23.4)	3798 (25.1)	66 (16.9)	53 (21.2)	6374 (29.3)	136 (24.9)	1162 (29.2)	803 (26.4)	14910 (26.8)
Often a problem, n (%)	163 (16.0)	113 (6.8)	826 (10.5)	1280 (8.5)	28 (7.2)	29 (11.6)	2942 (13.5)	56 (10.2)	645 (16.2)	350 (11.5)	6432 (11.6)
Don't know/not sure, n (%)	60 (5.9)	144 (8.6)	492 (6.2)	904 (6.0)	57 (14.6)	18 (7.2)	952 (4.4)	60 (11.0)	220 (5.5)	343 (11.3)	3250 (5.8)
Other customers in line seem annoyed with participant, ¹⁸ Mean (SD)	0.58 (0.21)	0.30 (0.15)	0.43 (0.12)	0.42 (0.11)	0.25 (0.26)	0.57 (0.56)	0.59 (0.10)	0.42 (0.21)	0.65 (0.14)	0.54 (0.12)	0.51 (0.69)
Never a problem, n (%)	484 (47.7)	1086 (65.1)	4618 (58.6)	9142 (60.6)	256 (65.8)	144 (57.8)	11138 (51.1)	293 (53.9)	1914 (48.1)	1569 (51.9)	30644 (55.1)
Sometimes a problem, n (%)	308 (30.4)	340 (20.4)	1895 (24.0)	3671 (24.3)	56 (14.4)	55 (22.1)	6698 (30.8)	135 (24.8)	1183 (29.7)	771 (25.5)	15112 (27.2)
Often a problem, n (%)	140 (13.8)	88 (5.3)	740 (9.4)	1129 (7.5)	26 (6.7)	21 (8.4)	2649 (12.2)	51 (9.4)	604 (15.2)	290 (9.6)	5738 (10.3)
Don't know/not sure, n (%)	82 (8.1)	155 (9.3)	633 (8.0)	1149 (7.6)	51 (13.1)	29 (11.6)	1292 (5.9)	65 (11.9)	282 (7.1)	392 (13.0)	4130 (7.4)
Preferred food brands are not always available, ¹⁸ Mean (SD)	0.70 (0.23)	0.77 (0.16)	0.81 (0.14)	0.67 (0.06)	0.77 (0.36)	0.76 (0.49)	0.90 (0.05)	0.84 (0.31)	0.89 (0.12)	0.84 (0.15)	0.78 (0.71)
Never a problem, n (%)	410 (40.3)	599 (35.9)	3036 (38.5)	6640 (44.0)	142 (36.7)	121 (48.8)	6491 (29.8)	191 (35.1)	1194 (30.0)	1033 (34.2)	19857 (35.7)
Sometimes a problem, n (%)	411 (40.4)	707 (42.4)	3208 (40.7)	5970 (39.6)	148 (38.2)	77 (31.0)	10855 (49.9)	217 (39.9)	1838 (46.2)	1197 (39.7)	24628 (44.3)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Often a problem, n (%)	150 (14.7)	279 (16.7)	1359 (17.3)	1733 (11.5)	69 (17.8)	36 (14.5)	3781 (17.4)	95 (17.5)	823 (20.7)	502 (16.6)	8827 (15.9)
Don't know/not sure, n (%)	46 (4.5)	84 (5.0)	274 (3.5)	743 (4.9)	28 (7.2)	14 (5.6)	642 (2.9)	41 (7.5)	122 (3.1)	285 (9.4)	2279 (4.1)
WIC foods approved at one store are not same as foods approved at another store, ^{18, 19} Mean (SD) (n=52698)	0.82 (0.21)	0.66 (0.25)	0.79 (0.12)	0.75 (0.21)	0.57 (0.35)	0.79 (0.60)	0.88 (0.12)	0.78 (0.36)	0.95 (0.14)	0.98 (0.23)	0.86 (0.76)
Never a problem, n (%)	307 (33.6)	628 (39.9)	2902 (37.7)	1432 (33.8)	153 (42.1)	112 (47.5)	6712 (32.2)	119 (33.1)	1009 (28.9)	383 (23.8)	13757 (33.3)
Sometimes a problem, n (%)	358 (39.2)	594 (37.8)	2698 (35.0)	1673 (39.4)	128 (35.3)	72 (30.5)	8159 (39.2)	122 (34.0)	1309 (37.4)	580 (36.0)	15693 (38.0)
Often a problem, n (%)	186 (20.4)	193 (12.3)	1622 (21.1)	850 (20.0)	47 (12.9)	31 (13.1)	4108 (19.7)	79 (22.0)	907 (25.9)	423 (26.3)	8446 (20.4)
Don't know/not sure, n (%)	63 (6.9)	157 (10.0)	480 (6.2)	287 (6.8)	35 (9.6)	21 (8.9)	1848 (8.9)	39 (10.9)	271 (7.8)	224 (13.9)	3425 (8.3)
Could not use self-checkout for WIC foods, ^{18, 20} Mean (SD) (n=54109)	0.62 (0.28)	0.49 (0.24)	0.59 (0.25)	0.46 (0.16)	0.34 (0.29)	0.58 (0.61)	0.74 (0.27)	0.54 (0.36)	0.77 (0.30)	0.66 (0.36)	0.57 (0.77)
Never a problem, n (%)	489 (48.6)	822 (52.1)	3892 (51.3)	8650 (60.9)	183 (54.1)	144 (58.3)	10451 (49.3)	275 (52.9)	1874 (48.2)	1407 (48.7)	28187 (52.7)
Sometimes a problem, n (%)	206 (20.5)	336 (21.3)	1433 (18.9)	2329 (16.4)	58 (17.2)	44 (17.8)	5110 (24.1)	87 (16.7)	918 (23.6)	524 (18.1)	11045 (20.7)
Often a problem, n (%)	188 (18.7)	253 (16.0)	1465 (19.3)	1314 (9.2)	41 (12.1)	30 (12.1)	4010 (18.9)	70 (13.5)	799 (20.5)	409 (14.1)	8579 (16.0)
Don't know/not sure, n (%)	124 (12.3)	168 (10.6)	800 (10.5)	1915 (13.5)	56 (16.6)	29 (11.7)	1643 (7.7)	88 (16.9)	300 (7.7)	552 (19.1)	5675 (10.6)
Could not do curbside pick-up for WIC foods, ^{18, 21} Mean (SD) (n=3560)	1.38 (0.33)	0.45 (0.38)	0.68 (0.21)	0.54 (0.16)	0.33 (0.47)	0.75 (0.16)	1.08 (0.03)	0.49 (0.38)	1.14 (0.21)	0.83 (0.41)	0.75 (0.89)
Never a problem, n (%)	22 (18.3)	66 (36.5)	67 (34.2)	444 (49.0)	5 (55.6)	37 (34.6)	338 (23.8)	17 (41.5)	74 (20.7)	68 (39.1)	1138 (32.4)
Sometimes a problem, n (%)	8 (6.7)	18 (9.9)	18 (9.2)	75 (8.3)	0 (0.0)	2 (1.9)	175 (12.3)	1 (2.4)	34 (9.5)	13 (7.5)	344 (9.8)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Often a problem, n (%)	26 (21.7)	31 (17.1)	30 (15.3)	101 (11.1)	1 (11.1)	19 (17.8)	410 (28.8)	4 (9.8)	118 (33.1)	28 (16.1)	768 (21.8)
Don't know/not sure, n (%)	64 (53.3)	66 (36.5)	81 (41.3)	287 (31.6)	3 (33.3)	49 (45.8)	500 (35.1)	19 (46.3)	131 (36.7)	65 (37.4)	1265 (36.0)
Staff at the store don't know how to run a WIC transaction, ¹⁸ Mean (SD)	0.44 (0.21)	0.31 (0.13)	0.37 (0.11)	0.27 (0.08)	0.36 (0.44)	0.46 (0.53)	0.46 (0.09)	0.41 (0.24)	0.49 (0.13)	0.45 (0.14)	0.39 (0.59)
Never a problem, n (%)	559 (55.1)	1055 (63.6)	4949 (63.0)	10530 (70.4)	233 (59.9)	155 (63.3)	12683 (58.3)	315 (58.8)	2237 (56.3)	1690 (56.6)	34406 (62.1)
Sometimes a problem, n (%)	307 (30.3)	406 (24.5)	2050 (26.1)	2875 (19.2)	77 (19.8)	52 (21.2)	6813 (31.3)	123 (22.9)	1226 (30.9)	758 (25.4)	14687 (26.5)
Often a problem, n (%)	84 (8.3)	67 (4.0)	491 (6.2)	552 (3.7)	32 (8.2)	16 (6.5)	1243 (5.7)	38 (7.1)	307 (7.7)	175 (5.9)	3005 (5.4)
Don't know/not sure, n (%)	64 (6.3)	132 (8.0)	368 (4.7)	1001 (6.7)	47 (12.1)	22 (9.0)	1016 (4.7)	60 (11.2)	201 (5.1)	365 (12.2)	3276 (5.9)
None of the above (often or sometimes a problem), n (%)	172 (16.8)	281 (16.7)	1407 (17.7)	2940 (19.2)	60 (15.2)	38 (15.2)	1874 (8.6)	100 (17.9)	364 (9.1)	428 (13.9)	7664 (13.7)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
3. Response option for KY WIC participants was 'Shopping for WIC foods in-person at my local store'.
4. Response option only available to HI, IL, KY, LA, ME, MD, MN, MT, NY, NC, OH, WV, and WI WIC participants. Response option for HI was 'Fruits and vegetables cash benefits at Farmers' Markets' for HI WIC participants.
5. Response option only available to MN, NE, and SD WIC participants.
6. Response option not available to NH WIC participants.
7. Response option not available to MT, WCD, and WV WIC participants.
8. Response option not available to MT and WCD WIC participants.
9. Response option not available to CO, ID, KS, MD, NV, NH, OH, Pueblo of Isleta, UT, WCD, and WI WIC participants.
10. Response option not available to CO, CT, MI, NY, UT, WCD, and WV WIC participants.
11. Response option not available to CO, ME, NC, WCD, and WV WIC participants.
12. Response option not available to CT, KY, ME, MI, MT, NE, NC, Pueblo of Isleta, WCD, and WV participants.
13. Response option not available to CO, MD, NE, OH, and WCD WIC participants.
14. Respondents could select all that apply.
15. Response option not available to ID, MN, SD, VA, and WCD WIC participants.
16. Response option not available to CO, CT, ID, KS, MI, NE, NV, NH, NM, Pueblo of Isleta, SD, UT, VA, and WCD WIC participants.
17. Response option not available to KY and NM WIC participants.
18. Scored as follows: Never a problem=0, Sometimes a problem=1, Often a problem=2.

19. Response option not available to CO WIC participants. Option not asked in Spanish due to survey translation error.
20. Response option not available to IL WIC participants.
21. Response option only available to HI, ME, MT, NV, and NH WIC participants.

Use of WIC Card and WIC App

Respondents were asked to rate their satisfaction with their state's WIC card and WIC app (on a scale of 1=very unsatisfied to 4=very satisfied). They were also asked about preferences for changes to the WIC app and reasons for not using the WIC app if they had never used it before. Results are stratified by respondents' survey language (**Table 6a**) and self-reported race/ethnicity (**Table 6b**).

Table 6a. Use of WIC Card and WIC App, by Survey Language¹

Table summary: Table 6a. lists survey participant experiences with use of the WIC card and WIC app in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole). The final column lists the total.

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Satisfaction with WIC card, ² Mean (SD) [F1]	3.83 (0.05)	3.90 (0.06)	3.65 (0.31)	3.80 (0.27)	3.86 (0.41)
Have not used, n (%)	794 (1.8)	114 (0.9)	6 (1.5)	0 (0.0)	914 (1.6)
Very unsatisfied, n (%)	171 (0.4)	33 (0.3)	0 (0.0)	0 (0.0)	204 (0.4)
Somewhat unsatisfied, n (%)	560 (1.3)	67 (0.5)	8 (2.0)	2 (2.4)	637 (1.1)
Somewhat satisfied, n (%)	5414 (12.5)	929 (7.6)	80 (20.3)	15 (18.1)	6438 (11.5)
Very satisfied, n (%)	36431 (84.0)	11068 (90.6)	301 (76.2)	66 (79.5)	47866 (85.4)
Satisfaction with WIC app, ^{2,3} Mean (SD) (n =51647) [F2]	3.72 (0.13)	3.85 (0.11)	3.62 (0.36)	3.74 (0.44)	3.79 (0.52)
Have not used, n (%)	1343 (3.4)	590 (5.2)	32 (9.1)	4 (5.1)	1969 (3.8)
Very unsatisfied, n (%)	544 (1.4)	69 (0.6)	7 (2.0)	2 (2.5)	622 (1.2)
Somewhat unsatisfied, n (%)	1134 (2.8)	90 (0.8)	5 (1.4)	6 (7.6)	1235 (2.4)
Somewhat satisfied, n (%)	6191 (15.5)	941 (8.3)	62 (17.7)	8 (10.1)	7202 (14.0)
Very satisfied, n (%)	30606 (76.9)	9676 (85.1)	245 (69.8)	59 (74.7)	40586 (78.6)
Desired changes in WIC app, ³ n (%) [F3]					
Make log-in easier ⁴ (n=49387)	12525 (32.9)	4862 (45.8)	229 (72.9)	51 (76.1)	17667 (36.0)
Prevent from crashing or make run faster ⁵ (n=49387)	17361 (45.6)	5423 (51.5)	208 (66.5)	45 (69.2)	23037 (47.1)
Scan foods to identify WIC eligibility ⁶ (n=3628)	2148 (60.1)	30 (71.4)	1 (100.0)	1 (100.0)	2180 (60.2)
Show WIC food balance ⁶ (n=3628)	2197 (61.5)	30 (71.4)	1 (100.0)	1 (100.0)	2229 (61.6)
Show next WIC appointment ⁷ (n=13732)	8103 (75.6)	2421 (84.7)	25 (75.8)	6 (60.0)	10555 (77.5)
Schedule WIC appointments ⁸ (n=37857)	19350 (67.7)	6031 (70.0)	118 (72.0)	25 (64.1)	25524 (68.2)
Find stores that offer online/phone ordering and/or curbside pick up ⁹ (n=21538)	10788 (65.2)	2652 (58.1)	66 (61.1)	21 (55.3)	13527 (63.6)
Find stores that offer self-checkout ¹⁰	12850 (58.6)	2572 (57.4)	108 (63.9)	19 (45.2)	15549 (58.4)
Access online nutrition education ¹¹ (n=12336)	5411 (58.3)	1719 (62.9)	48 (62.3)	17 (89.5)	7195 (59.4)
Allow to send paperwork ¹² (n=25016)	11928 (61.5)	3493 (68.3)	68 (54.8)	18 (50.0)	15507 (62.9)
Add chat feature ¹³ (n=45470)	21645 (62.3)	5926 (60.6)	175 (60.3)	30 (66.7)	27776 (62.0)
Food benefits expiration reminder ¹⁴ (n=26333)	15588 (74.0)	3746 (80.4)	155 (78.7)	21 (72.4)	19510 (75.2)
Make available in preferred language ¹⁵ (n=29430)	8189 (35.1)	3845 (69.7)	114 (67.5)	18 (81.8)	12166 (41.9)
None of the above ¹⁶	1855 (4.8)	480 (4.5)	13 (4.1)	3 (4.2)	2351 (4.7)
Reasons for not using WIC app, ¹⁷ n (%) [F4]	(n=1343)	(n=590)	(n=32)	(n=4)	(n=1969)
Did not know about it	504 (38.2)	160 (28.5)	21 (67.7)	1 (25.0)	686 (35.8)

Experience	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Do not own smartphone	210 (16.0)	237 (43.5)	4 (12.9)	2 (50.0)	453 (23.9)
Do not have phone while shopping	216 (16.5)	234 (43.0)	5 (16.1)	1 (25.0)	456 (24.1)
Do not know how to download it	204 (15.5)	194 (35.8)	17 (54.8)	2 (66.7)	417 (22.1)
Do not know how to use it	387 (29.4)	207 (37.5)	23 (71.9)	1 (33.3)	618 (32.5)
Do not need to use it	398 (30.3)	194 (35.7)	6 (19.4)	0 (0.0)	598 (31.6)
Cellular data or WIFI not available at grocery store	248 (18.9)	156 (29.1)	4 (12.9)	1 (25.0)	409 (21.7)
Uses too much data	147 (11.3)	58 (10.6)	4 (12.9)	0 (0.0)	209 (11.1)
None of the above ¹⁶	68 (5.1)	8 (1.4)	0 (0.0)	0 (0.0)	76 (3.9)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
3. Question not available to IL and VA WIC participants.
4. Response option not available to HI WIC participants. Response option for UT WIC participants was 'Make it easier to add my WIC card number'.
5. Response option not available to HI WIC participants.
6. Response option only available to WV WIC participants.
7. Response option only available to CO, ID, MT, NV, NC, WCD, and WV WIC participants.
8. Response option not available to CT, KY, LA, MI, NM, and Pueblo of Isleta WIC participants.
9. Response option not available to CO, HI, ID, KY, LA, MI, UT, and WCD WIC participants.
10. Response option not available to CO, HI, ID, KY, LA, MD, NH, SD, and UT WIC participants.
11. Response option only available to ID, KY, ME, MT, NE, NV, NY, NC, and SD WIC participants.
12. Response option not available to CT, LA, MD, MI, MN, NM, Pueblo of Isleta, SD, and WI WIC participants.
13. Response option not available to CT and MN WIC participants.
14. Response option only available to KS, LA, ME, NE, NV, NY, NC, OH, SD, WCD, WV, and WI WIC participants. Response option for NY WIC participants was 'Remind me through push notifications before my benefits expire'.
15. Response option only available to HI, LA, MD, MN, MT, NM, NY, Pueblo of Isleta, SD, WCD, WV, and WI WIC participants.
16. Respondents marked 'no' to all response options.
17. Only asked of respondents that said they had not used the app when asked about satisfaction with the app. Not asked of IL and VA WIC participants.

Table 6b. Use of WIC Card and WIC App, by Race/Ethnicity¹

Table summary: Table 6b. lists survey participant experiences using the WIC card and WIC app in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Experience	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Satisfaction with WIC card, ² Mean (SD) [F1]	3.84 (0.13)	3.83 (0.12)	3.85 (0.07)	3.90 (0.05)	3.75 (0.14)	3.73 (0.71)	3.81 (0.07)	3.82 (0.13)	3.80 (0.09)	3.78 (0.12)	3.86 (0.41)
Have not used, n (%)	18 (1.8)	31 (1.8)	113 (1.4)	175 (1.1)	8 (2.0)	3 (1.2)	413 (1.9)	7 (1.3)	74 (1.9)	72 (2.3)	914 (1.6)
Very unsatisfied, n (%)	5 (0.5)	9 (0.5)	30 (0.4)	37 (0.2)	0 (0.0)	3 (1.2)	78 (0.4)	3 (0.5)	22 (0.6)	17 (0.5)	204 (0.4)
Somewhat unsatisfied, n (%)	9 (0.9)	25 (1.5)	80 (1.0)	97 (0.6)	10 (2.5)	1 (0.4)	273 (1.3)	8 (1.4)	68 (1.7)	66 (2.1)	637 (1.1)
Somewhat satisfied, n (%)	84 (8.2)	231 (13.7)	793 (10.0)	1256 (8.2)	79 (20.0)	14 (5.6)	2940 (13.5)	79 (14.2)	560 (14.0)	402 (13.0)	6438 (11.5)
Very satisfied, n (%)	910 (88.7)	1390 (82.4)	6937 (87.2)	13736 (89.8)	298 (75.4)	229 (91.6)	18098 (83.0)	459 (82.6)	3270 (81.9)	2539 (82.0)	47866 (85.4)
Satisfaction with WIC app, ^{2,3} Mean (SD) (n =51647) [F2]	3.77 (0.22)	3.77 (0.17)	3.79 (0.14)	3.85 (0.09)	3.75 (0.21)	3.77 (0.70)	3.69 (0.14)	3.75 (0.17)	3.69 (0.14)	3.63 (0.21)	3.79 (0.52)
Have not used, n (%)	51 (5.1)	32 (2.1)	353 (5.0)	610 (4.4)	30 (9.6)	10 (4.0)	546 (2.7)	36 (7.0)	108 (2.9)	193 (6.8)	1969 (3.8)
Very unsatisfied, n (%)	15 (1.5)	7 (0.5)	104 (1.5)	101 (0.7)	8 (2.5)	4 (1.6)	259 (1.3)	5 (1.0)	70 (1.9)	49 (1.7)	622 (1.2)
Somewhat unsatisfied, n (%)	13 (1.3)	37 (2.5)	169 (2.4)	162 (1.2)	7 (2.2)	2 (0.8)	603 (3.0)	19 (3.7)	122 (3.3)	101 (3.6)	1235 (2.4)
Somewhat satisfied, n (%)	102 (10.2)	194 (12.9)	772 (10.9)	1285 (9.2)	61 (19.4)	15 (6.0)	3690 (18.1)	67 (13.0)	607 (16.2)	409 (14.4)	7202 (14.0)
Very satisfied, n (%)	821 (81.9)	1234 (82.0)	5666 (80.2)	11857 (84.6)	208 (66.2)	217 (87.5)	15268 (75.0)	390 (75.4)	2845 (75.8)	2080 (73.4)	40586 (78.6)
Desired changes in WIC app, ³ n (%) [F3]											
Make log in easier ⁴ (n=49387)	388 (40.9)	799 (57.4)	3253 (48.7)	5491 (41.4)	180 (64.3)	80 (49.7)	4989 (25.2)	242 (51.8)	1147 (32.2)	1098 (42.4)	17667 (36.0)
Prevent from crashing or make run faster ⁵ (n=49387)	438 (46.4)	869 (62.8)	3662 (55.0)	6511 (49.4)	183 (65.1)	94 (58.4)	8030 (40.7)	254 (54.9)	1680 (47.2)	1316 (51.1)	23037 (47.1)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Scan foods to identify WIC eligibility ⁶ (n=3628)	8 (66.7)	22 (88.0)	70 (70.0)	46 (62.2)	4 (80.0)	0 (0.0)	1874 (59.8)	9 (69.2)	114 (54.8)	33 (71.7)	2180 (60.2)
Show WIC food balance ⁶ (n=3628)	9 (75.0)	23 (92.0)	67 (67.0)	46 (62.2)	4 (80.0)	0 (0.0)	1922 (61.3)	9 (69.2)	118 (56.5)	31 (67.4)	2229 (61.6)
Show next WIC appointment ⁷ (n=13732)	188 (71.2)	225 (81.5)	800 (81.0)	3222 (83.2)	44 (81.5)	35 (83.3)	4543 (73.1)	82 (73.2)	885 (78.1)	531 (80.9)	10555 (77.5)
Schedule WIC appointments ⁸ (n=37857)	451 (64.6)	945 (73.6)	2731 (72.8)	7461 (70.6)	138 (75.4)	159 (68.8)	10093 (64.8)	251 (66.6)	1974 (71.1)	1321 (66.4)	25524 (68.2)
Find stores that offer online/phone ordering and/or curbside pick up ⁹ (n=21538)	259 (60.0)	527 (66.9)	1629 (69.3)	3273 (59.8)	65 (61.3)	31 (72.1)	5876 (63.9)	150 (63.0)	1021 (68.8)	696 (60.3)	13527 (63.6)
Find stores that offer self-checkout ¹⁰	334 (57.0)	613 (66.6)	1694 (64.6)	3698 (58.4)	119 (65.7)	34 (70.8)	6956 (56.3)	146 (57.7)	1274 (60.7)	681 (54.8)	15549 (58.4)
Access online nutrition education ¹¹ (n=12336)	197 (60.4)	277 (69.6)	857 (66.9)	2237 (64.9)	47 (62.7)	22 (55.0)	2484 (51.7)	95 (61.7)	594 (65.7)	385 (56.0)	7195 (59.4)
Allow to send paperwork ¹² (n=25016)	227 (60.4)	425 (64.0)	1143 (62.3)	4506 (67.5)	78 (59.1)	145 (66.2)	6846 (60.4)	150 (59.5)	1279 (65.0)	708 (58.4)	15507 (62.9)
Add chat feature ¹³ (n=45470)	518 (60.7)	812 (67.8)	4345 (69.0)	7586 (62.2)	172 (66.9)	154 (66.7)	10443 (58.9)	267 (63.7)	2181 (66.2)	1298 (55.2)	27776 (62.0)
Food benefits expiration reminder ¹⁴ (n=26333)	340 (76.4)	532 (76.1)	3555 (80.2)	4441 (79.0)	119 (82.1)	34 (70.8)	8089 (71.3)	181 (77.4)	1280 (73.6)	939 (75.4)	19510 (75.2)
Make available in preferred language ¹⁵ (n=29430)	298 (40.8)	434 (45.3)	2392 (48.9)	3973 (58.8)	76 (59.8)	40 (42.1)	3372 (28.8)	147 (56.3)	686 (33.8)	748 (51.6)	12166 (41.9)
None of the above ¹⁶	50 (5.3)	48 (3.3)	226 (3.4)	602 (4.5)	6 (2.1)	5 (2.1)	1127 (5.7)	16 (3.3)	167 (4.6)	104 (4.0)	2351 (4.7)
Reasons for not using WIC app, ¹⁷ n (%) [F4]	(n=51)	(n=32)	(n=353)	(n=610)	(n=30)	(n=10)	(n=546)	(n=36)	(n=108)	(n=193)	(n=1969)
Did not know about it	19 (37.3)	19 (59.4)	133 (38.7)	194 (33.1)	19 (67.9)	3 (30.0)	205 (38.0)	14 (40.0)	37 (34.3)	43 (23.4)	686 (35.8)
Do not own smartphone	10 (19.6)	5 (15.6)	78 (22.9)	227 (39.8)	4 (14.3)	3 (30.0)	52 (9.7)	9 (26.5)	12 (11.1)	53 (29.1)	453 (23.9)
Do not have phone while shopping	15 (29.4)	5 (15.6)	67 (19.6)	216 (37.8)	7 (25.0)	4 (40.0)	60 (11.2)	8 (24.2)	17 (15.7)	57 (31.8)	456 (24.1)
Do not know how to download it	8 (16.0)	7 (21.9)	67 (19.5)	184 (32.3)	14 (50.0)	1 (10.0)	68 (12.7)	6 (17.6)	21 (19.4)	41 (22.9)	417 (22.1)

Experience	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Do not know how to use it	14 (28.6)	9 (28.1)	107 (31.3)	218 (37.8)	21 (72.4)	2 (20.0)	153 (28.4)	12 (35.3)	36 (33.3)	46 (25.1)	618 (32.5)
Do not need to use it	17 (34.7)	8 (25.0)	94 (27.6)	191 (33.3)	5 (17.2)	1 (10.0)	193 (35.7)	8 (24.2)	33 (30.8)	48 (27.0)	598 (31.6)
Cellular data or WIFI not available at grocery store	15 (29.4)	5 (15.6)	64 (18.7)	147 (26.0)	4 (14.3)	4 (40.0)	99 (18.5)	6 (18.2)	27 (25.2)	38 (21.5)	409 (21.7)
WIC app uses too much data	5 (10.2)	1 (3.1)	42 (12.4)	58 (10.1)	3 (10.7)	1 (10.0)	54 (10.1)	4 (11.8)	16 (14.8)	25 (14.1)	209 (11.1)
None of the above ¹⁶	2 (3.9)	1 (3.1)	15 (4.3)	16 (2.6)	0 (0.0)	2 (20.0)	29 (5.3)	0 (0.0)	5 (4.6)	6 (3.1)	76 (3.9)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Scored as follows: Very unsatisfied=1, Somewhat unsatisfied=2, Somewhat satisfied=3, Very satisfied=4.
3. Question not available to IL and VA WIC participants.
4. Response option not available to HI WIC participants. Response option for UT WIC participants was 'Make it easier to add my WIC card number'.
5. Response option not available to HI WIC participants.
6. Response option only available to WV WIC participants.
7. Response option only available to CO, ID, MT, NV, NC, WCD, and WV WIC participants.
8. Response option not available to CT, KY, LA, MI, NM, and Pueblo of Isleta WIC participants.
9. Response option not available to CO, HI, ID, KY, LA, MI, UT, and WCD WIC participants.
10. Response option not available to CO, HI, ID, KY, LA, MD, NH, SD, and UT WIC participants.
11. Response option only available to ID, KY, ME, MT, NE, NV, NY, NC, and SD WIC participants.
12. Response option not available to CT, LA, MD, MI, MN, NM, Pueblo of Isleta, SD, and WI WIC participants.
13. Response option not available to CT and MN WIC participants.
14. Response option only available to KS, LA, ME, NE, NV, NY, NC, OH, SD, WCD, WV, and WI WIC participants. Response option for NY WIC participants was 'Remind me through push notifications before my benefits expire'.
15. Response option only available to HI, LA, MD, MN, MT, NM, NY, Pueblo of Isleta, SD, WCD, WV, and WI WIC participants.
16. Respondents marked 'no' to all response options.
17. Only asked of respondents that said they had not used the app when asked about satisfaction with the app. Not asked of IL and VA WIC participants.

Adequacy of the Cash Value Benefit for Fruits and Vegetables

At the time of the survey, the monthly Cash Value Benefit (CVB) for WIC participants use to purchase fruits and vegetables was \$26 for children and \$47 for pregnant and postpartum women, and \$52 for breastfeeding women. Respondents were asked to rate their perception of the adequacy of the CVB for children and women. Results are stratified by respondents' survey language (**Table 7a**) and self-reported race/ethnicity (**Table 7b**).

Table 7a. Perceptions of Cash Value Benefit (CVB) for Fruits and Vegetables, by Survey Language¹

Table summary: Table 7a. lists survey participant perceptions of the Cash Value Benefit (CVB) for fruits and vegetables in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole) and a column for total.

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Perception of \$26 per month CVB for children, ² n (%) [H1]	(n=31756)	(n=7647)	(n=278)	(n=38)	(n=39719)
Not enough	24479 (77.4)	5400 (71.0)	224 (80.6)	25 (65.8)	30128 (76.2)
Just right	6201 (19.6)	1635 (21.5)	35 (12.6)	8 (21.1)	7879 (19.9)
Too much	36 (0.1)	2 (0.0)	0 (0.0)	0 (0.0)	38 (0.1)
Don't know	925 (2.9)	564 (7.4)	19 (6.8)	5 (13.2)	1513 (3.8)
Perception of \$47 per month CVB for pregnant and postpartum women, ³ n (%) [H2]	(n=7736)	(n=1616)	(n=63)	(n=25)	(n=9440)
Not enough	3501 (45.4)	705 (43.8)	41 (65.1)	10 (40.0)	4257 (45.2)
Just right	3856 (50.0)	745 (46.3)	17 (27.0)	9 (36.0)	4627 (49.2)
Too much	29 (0.4)	1 (0.1)	1 (1.6)	0 (0.0)	31 (0.3)
Don't know	327 (4.2)	157 (9.8)	4 (6.3)	6 (24.0)	494 (5.3)
Perception of \$52 per month CVB for breastfeeding women, ⁴ n (%) [H3]	(n=8163)	(n=2803)	(n=81)	(n=25)	(n=11072)
Not enough	3763 (46.3)	1161 (41.7)	54 (66.7)	9 (36.0)	4987 (45.2)
Just right	3976 (48.9)	1363 (49.0)	17 (21.0)	12 (48.0)	5368 (48.7)
Too much	37 (0.5)	3 (0.1)	0 (0.0)	0 (0.0)	40 (0.4)
Don't know	357 (4.4)	257 (9.2)	10 (12.3)	4 (16.0)	628 (5.7)

1. Sample size may vary due to incomplete surveys. Data presented is the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Only asked of respondents if '1 year old child,' '2 year old child,' '3 year old child,' or '4 year old child' was selected.
3. Only asked of respondents if 'pregnant' or 'non-breastfeeding woman whose pregnancy ended in the last 6 months' was selected.
4. Only asked of respondents if 'breastfeeding woman' was selected.

Table 7b. Perceptions of Cash Value Benefit (CVB) for Fruits and Vegetables, by Race/Ethnicity¹

Table summary: Table 7b. lists survey participant perceptions of the Cash Value Benefit (CVB) for fruits and vegetables in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Perception	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Perception of \$26 per month CVB for children, ² n (%) [H1]	(n=756)	(n=1180)	(n=5644)	(n=10019)	(n=280)	(n=184)	(n=16306)	(n=373)	(n=2847)	(n=2130)	(n=39719)
Not enough	537 (71.4)	896 (76.3)	4163 (74.1)	7420 (74.4)	236 (84.3)	125 (69.1)	12677 (78.0)	290 (78.0)	2256 (79.7)	1528 (72.1)	30128 (76.2)
Just right	183 (24.3)	235 (20.0)	1275 (22.7)	2017 (20.2)	33 (11.8)	46 (25.4)	3156 (19.4)	63 (16.9)	484 (17.1)	387 (18.3)	7879 (19.9)
Too much	1 (0.1)	1 (0.1)	11 (0.2)	3 (0.0)	0 (0.0)	0 (0.0)	13 (0.1)	1 (0.3)	3 (0.1)	5 (0.2)	38 (0.1)
Don't know	31 (4.1)	43 (3.7)	166 (3.0)	538 (5.4)	11 (3.9)	10 (5.5)	411 (2.5)	18 (4.8)	86 (3.0)	199 (9.4)	1513 (3.8)
Perception of \$47 per month CVB for pregnant and postpartum women, ³ n (%) [H2]	(n=141)	(n=294)	(n=1494)	(n=2211)	(n=58)	(n=45)	(n=3944)	(n=82)	(n=770)	(n=401)	(n=9440)
Not enough	55 (39.3)	160 (54.4)	704 (47.3)	1015 (46.1)	42 (72.4)	21 (47.7)	1665 (42.3)	30 (36.6)	367 (47.8)	198 (49.6)	4257 (45.2)
Just right	72 (51.4)	114 (38.8)	729 (49.0)	1032 (46.8)	15 (25.9)	19 (43.2)	2092 (53.2)	38 (46.3)	369 (48.1)	147 (36.8)	4627 (49.2)
Too much	0 (0.0)	0 (0.0)	6 (0.4)	3 (0.1)	0 (0.0)	1 (2.3)	19 (0.5)	0 (0.0)	1 (0.1)	1 (0.3)	31 (0.3)
Don't know	13 (9.3)	20 (6.8)	50 (3.4)	153 (6.9)	1 (1.7)	3 (6.8)	157 (4.0)	14 (17.1)	30 (3.9)	53 (13.3)	494 (5.3)
Perception of \$52 per month CVB for breastfeeding women, ⁴ n (%) [H3]	(n=183)	(n=388)	(n=1229)	(n=3401)	(n=79)	(n=36)	(n=4163)	(n=91)	(n=908)	(n=594)	(n=11072)
Not enough	69 (37.7)	215 (55.4)	612 (50.1)	1469 (43.4)	56 (70.9)	22 (62.9)	1770 (42.6)	49 (54.4)	446 (49.4)	279 (47.1)	4987 (45.2)
Just right	100 (54.6)	145 (37.4)	538 (44.1)	1663 (49.2)	17 (21.5)	12 (34.3)	2192 (52.8)	31 (34.4)	430 (47.7)	240 (40.5)	5368 (48.7)
Too much	1 (0.5)	1 (0.3)	2 (0.2)	4 (0.1)	0 (0.0)	0 (0.0)	28 (0.7)	0 (0.0)	2 (0.2)	2 (0.3)	40 (0.4)
Don't know	13 (7.1)	27 (7.0)	69 (5.7)	246 (7.3)	6 (7.6)	1 (2.9)	161 (3.9)	10 (11.1)	24 (2.7)	71 (12.0)	628 (5.7)

1. Sample size may vary due to incomplete surveys. Data presented is the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Only asked of respondents if '1 year old child,' '2 year old child,' '3 year old child,' or '4 year old child' was selected.
3. Only asked of respondents if 'pregnant' or 'non-breastfeeding woman whose pregnancy ended in the last 6 months' was selected.
4. Only asked of respondents if 'breastfeeding woman' was selected.

Perceptions of Proposed WIC Food Package Changes

In the survey, respondents were asked to rate their perception of the amount of food package items they received from WIC, including for juice, milk and/or milk substitutes, cheese, yogurt, infant formula, infant jarred meats, infant cereals, infant jarred fruits and vegetables, whole grain foods (e.g., bread, rice, tortillas), breakfast cereals, canned fish, beans/legumes, peanut butter or other nut/seed butters and eggs and/or tofu. Respondents were also asked their perception of how the foods they could purchase with WIC changed since they first started participating in WIC (on a scale of 1=gotten a lot worse to 5=improved a lot). Results are stratified by respondents' survey language (**Table 8a**) and self-reported race/ethnicity (**Table 8b**). Results are further stratified by participating state's level of implementation of the WIC food package changes (full, partial, or no implementation) at the time of the survey (**Table 9**).

Table 8a. Perceptions of WIC Food Package, by Survey Language¹

Table summary: Table 8a. lists survey participant perceptions of the WIC food package in the first column followed by results in columns by survey language (English, Spanish, Arabic, Haitian Creole) and a column for total.

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Perception of amount of food package items received from WIC ² [1]					
Juice, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	1394 (3.6)	379 (3.6)	9 (2.5)	2 (3.0)	1784 (3.6)
Not enough	12374 (31.9)	2508 (24.1)	135 (37.5)	29 (43.9)	15046 (30.3)
Just right	21804 (56.3)	6802 (65.3)	173 (48.1)	31 (47.0)	28810 (58.1)
Too much	2407 (6.2)	411 (3.9)	17 (4.7)	0 (0.0)	2835 (5.7)
Don't know/not sure	769 (2.0)	324 (3.1)	26 (7.2)	4 (6.1)	1123 (2.3)
Milk and/or milk substitutes, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	1033 (2.7)	102 (1.0)	4 (1.1)	2 (3.2)	1141 (2.3)
Not enough	10275 (26.6)	2303 (22.2)	128 (35.9)	18 (28.6)	12724 (25.7)
Just right	22870 (59.1)	7166 (69.2)	194 (54.3)	39 (61.9)	30269 (61.2)
Too much	3980 (10.3)	588 (5.7)	13 (3.6)	1 (1.6)	4582 (9.3)
Don't know/not sure	522 (1.3)	192 (1.9)	18 (5.0)	3 (4.8)	735 (1.5)
Cheese, ^{2,3} n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	996 (2.6)	275 (2.7)	5 (1.4)	4 (6.7)	1280 (2.6)
Not enough	14533 (37.6)	2954 (28.6)	137 (38.5)	7 (11.7)	17631 (35.7)
Just right	22165 (57.3)	6696 (64.8)	196 (55.1)	44 (73.3)	29101 (58.9)
Too much	499 (1.3)	215 (2.1)	7 (2.0)	0 (0.0)	721 (1.5)
Don't know/not sure	493 (1.3)	193 (1.9)	11 (3.1)	5 (8.3)	702 (1.4)
Yogurt, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	2223 (5.7)	553 (5.4)	9 (2.5)	3 (4.9)	2788 (5.6)
Not enough	12411 (32.1)	2281 (22.1)	154 (43.0)	13 (21.3)	14859 (30.1)

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Just right	22359 (57.8)	7005 (68.0)	172 (48.0)	41 (67.2)	29577 (59.9)
Too much	978 (2.5)	251 (2.4)	12 (3.4)	0 (0.0)	1241 (2.5)
Don't know/not sure	695 (1.8)	217 (2.1)	11 (3.1)	4 (6.6)	927 (1.9)
Infant formula, ³ n (%)	(n=13470)	(n=3395)	(n=101)	(n=32)	(n=16998)
Does not buy	2849 (21.4)	405 (12.2)	11 (11.0)	0 (0.0)	3265 (19.5)
Not enough	5583 (41.9)	1152 (34.8)	35 (35.0)	11 (35.5)	6781 (40.5)
Just right	4204 (31.6)	1550 (46.8)	50 (50.0)	20 (64.5)	5824 (34.8)
Too much	45 (0.3)	72 (2.2)	0 (0.0)	0 (0.0)	117 (0.7)
Don't know/not sure	628 (4.7)	131 (4.0)	4 (4.0)	0 (0.0)	763 (4.6)
Infant jarred meats, ⁴ n (%)	(n=13470)	(n=3395)	(n=101)	(n=32)	(n=16998)
Does not buy	4008 (30.2)	1310 (40.0)	41 (41.4)	6 (20.0)	5365 (32.1)
Not enough	2297 (17.3)	316 (9.7)	21 (21.2)	5 (16.7)	2639 (15.8)
Just right	4049 (30.5)	1069 (32.7)	24 (24.2)	12 (40.0)	5154 (30.9)
Too much	873 (6.6)	194 (5.9)	0 (0.0)	0 (0.0)	1067 (6.4)
Don't know/not sure	2065 (15.5)	384 (11.7)	13 (13.1)	7 (23.3)	2469 (14.8)
Infant cereals, ⁴ n (%)	(n=13470)	(n=3395)	(n=101)	(n=32)	(n=16998)
Does not buy	2931 (22.0)	686 (21.0)	21 (21.2)	4 (12.9)	3642 (21.8)
Not enough	1928 (14.5)	299 (9.1)	23 (23.2)	5 (16.1)	2255 (13.5)
Just right	5460 (41.1)	1839 (56.2)	42 (42.4)	20 (64.5)	7361 (44.1)
Too much	1351 (10.2)	206 (6.3)	1 (1.0)	0 (0.0)	1558 (9.3)
Don't know/not sure	1623 (12.2)	244 (7.5)	12 (12.1)	2 (6.5)	1881 (11.3)
Infant jarred fruits and vegetables, ⁴ n (%)	(n=13470)	(n=3395)	(n=101)	(n=32)	(n=16998)
Does not buy	2657 (20.0)	784 (24.0)	20 (20.2)	6 (20.0)	3467 (20.8)
Not enough	2698 (20.3)	606 (18.5)	29 (29.3)	3 (10.0)	3336 (20.0)
Just right	5588 (42.1)	1487 (45.5)	41 (41.4)	17 (56.7)	7133 (42.8)
Too much	696 (5.2)	161 (4.9)	0 (0.0)	0 (0.0)	857 (5.1)
Don't know/not sure	1634 (12.3)	233 (7.1)	9 (9.1)	4 (13.3)	1880 (11.3)
Whole grain foods, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	1908 (4.9)	590 (5.7)	22 (6.2)	4 (6.6)	2524 (5.1)
Not enough	12372 (32.0)	2513 (24.5)	109 (30.9)	19 (31.1)	15013 (30.4)
Just right	22480 (58.1)	6640 (64.6)	195 (55.2)	33 (54.1)	29348 (59.5)
Too much	1022 (2.6)	247 (2.4)	8 (2.3)	0 (0.0)	1277 (2.6)
Don't know/not sure	887 (2.3)	288 (2.8)	19 (5.4)	5 (8.2)	1199 (2.4)
Breakfast cereals, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	1243 (3.2)	295 (2.9)	21 (5.9)	1 (1.6)	1560 (3.2)
Not enough	7436 (19.2)	1113 (10.8)	73 (20.4)	12 (19.7)	8634 (17.5)
Just right	25303 (65.5)	7821 (76.1)	223 (62.5)	44 (72.1)	33391 (67.7)
Too much	4048 (10.5)	869 (8.5)	21 (5.9)	0 (0.0)	4938 (10.0)
Don't know/not sure	629 (1.6)	174 (1.7)	19 (5.3)	4 (6.6)	826 (1.7)
Canned fish, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	13311 (34.4)	3459 (33.8)	108 (30.5)	14 (24.1)	16892 (34.3)

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Not enough	6761 (17.5)	1506 (14.7)	97 (27.4)	13 (22.4)	8377 (17.0)
Just right	13322 (34.5)	4243 (41.5)	103 (29.1)	22 (37.9)	17690 (35.9)
Too much	1126 (2.9)	212 (2.1)	7 (2.0)	0 (0.0)	1345 (2.7)
Don't know/not sure	4124 (10.7)	815 (8.0)	39 (11.0)	9 (15.5)	4987 (10.1)
Beans/legumes, ² n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	5312 (13.7)	291 (2.8)	23 (6.5)	1 (1.7)	5627 (11.4)
Not enough	7784 (20.1)	3165 (30.8)	94 (26.6)	24 (40.0)	11067 (22.4)
Just right	22703 (58.8)	6451 (62.8)	208 (58.9)	30 (50.0)	29392 (59.6)
Too much	1408 (3.6)	175 (1.7)	14 (4.0)	0 (0.0)	1597 (3.2)
Don't know/not sure	1436 (3.7)	196 (1.9)	14 (4.0)	5 (8.3)	1651 (3.3)
Peanut butter or other nut/seed butters, ^{2,5} n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	2036 (5.3)	2100 (20.5)	44 (12.5)	2 (3.3)	4182 (8.5)
Not enough	8095 (20.9)	1123 (11.0)	66 (18.7)	7 (11.7)	9291 (18.8)
Just right	26188 (67.8)	6283 (61.3)	207 (58.6)	47 (78.3)	32725 (66.4)
Too much	1538 (4.0)	342 (3.3)	18 (5.1)	0 (0.0)	1898 (3.8)
Don't know/not sure	792 (2.0)	396 (3.9)	18 (5.1)	4 (6.7)	1210 (2.5)
Eggs and/or tofu, ^{2,6} n (%)	(n=39218)	(n=10615)	(n=362)	(n=69)	(n=50264)
Does not buy	442 (1.1)	58 (0.6)	2 (0.6)	0 (0.0)	502 (1.0)
Not enough	22194 (57.4)	5869 (57.1)	240 (68.0)	28 (45.9)	28331 (57.4)
Just right	15522 (40.2)	4136 (40.2)	98 (27.8)	30 (49.2)	19786 (40.1)
Too much	117 (0.3)	90 (0.9)	5 (1.4)	0 (0.0)	212 (0.4)
Don't know/not sure	371 (1.0)	127 (1.2)	8 (2.3)	3 (4.9)	509 (1.0)
Perception of WIC food package changes in the last year by length of time in WIC					
	(n=22851)	(n=7997)	(n=237)	(n=58)	(n=31143)
No more than 2 years, ⁷ Mean (SD)	3.92 (0.13)	4.24 (0.12)	4.01 (0.33)	4.32 (0.48)	4.04 (0.94)
Gotten a lot worse, n (%)	202 (0.9)	13 (0.2)	2 (0.9)	0 (0.0)	217 (0.7)
Gotten a little worse, n (%)	803 (3.6)	113 (1.4)	7 (3.0)	0 (0.0)	923 (3.0)
Stayed the same, n (%)	6677 (29.6)	1359 (17.3)	50 (21.3)	2 (3.5)	8088 (26.3)
Improved a little, n (%)	5261 (23.3)	2308 (29.3)	76 (32.3)	25 (43.9)	7670 (24.9)
Improved a lot, n (%)	7099 (31.4)	3603 (45.8)	67 (28.5)	23 (40.4)	10792 (35.1)
Don't know/not sure, n (%)	2542 (11.3)	471 (6.0)	33 (14.0)	7 (12.3)	3053 (9.9)
	(n=20041)	(n=3813)	(n=154)	(n=14)	(n=24022)
3 years or more, ⁷ Mean (SD)	4.00 (0.14)	4.15 (0.33)	4.10 (0.23)	4.53 (0.40)	4.07 (0.93)
Gotten a lot worse, n (%)	180 (0.9)	12 (0.3)	0 (0.0)	0 (0.0)	192 (0.8)
Gotten a little worse, n (%)	782 (3.9)	74 (2.0)	2 (1.3)	0 (0.0)	858 (3.6)
Stayed the same, n (%)	4650 (23.5)	876 (23.5)	37 (24.2)	2 (14.3)	5565 (23.5)
Improved a little, n (%)	5977 (30.2)	891 (23.9)	45 (29.4)	2 (14.3)	6915 (29.1)
Improved a lot, n (%)	6854 (34.6)	1649 (44.2)	57 (37.3)	8 (57.1)	8568 (36.1)
Don't know/not sure, n (%)	1380 (7.0)	231 (6.2)	12 (7.8)	2 (14.3)	1625 (6.8)

Perception	English (n=43,377)	Spanish (n=12,226)	Arabic (n=395)	Haitian Creole (n=84)	Total (n=56,082)
Overall perception of WIC food package changes, ⁷ Mean (SD)	3.96 (0.12)	4.21 (0.12)	4.04 (0.28)	4.34 (0.49)	4.05 (0.93)
Gotten a lot worse, n (%)	382 (0.9)	25 (0.2)	2 (0.5)	0 (0.0)	409 (0.8)
Gotten a little worse, n (%)	1585 (3.7)	187 (1.6)	9 (2.3)	0 (0.0)	1781 (3.3)
Stayed the same, n (%)	11327 (26.7)	2235 (19.3)	87 (22.4)	4 (5.6)	13653 (25.1)
Improved a little, n (%)	11238 (26.5)	3199 (27.6)	121 (31.2)	27 (38.0)	14585 (26.8)
Improved a lot, n (%)	13953 (32.9)	5252 (45.3)	124 (32.0)	31 (43.7)	19360 (35.5)
Don't know/not sure, n (%)	3922 (9.2)	702 (6.1)	45 (11.6)	9 (12.7)	4678 (8.6)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Only asked of respondents if 'pregnant woman', 'breastfeeding woman', 'non-breastfeeding women whose pregnancy ended in the last 6 months', or '1, 2, 3, or 4 year old child' was selected.
3. Response option for CO WIC participants was 'Cheese and/or Tofu'.
4. Only asked of respondents if 'infant under 12 months of age' was selected.
5. Response option for CO and ID WIC participants was 'Peanut butter'.
6. Response option for CO, ID, and KY WIC participants was 'Eggs'.
7. Scored as follows: Gotten a lot worse=1, Gotten a little worse=2, Stayed the same=3, Improved a little =4, Improved a lot = 5.

Table 8b. Perceptions of WIC Food Package, by Race/Ethnicity¹

Table summary: Table 8b. lists survey participant perceptions of the WIC food package in the first column followed by results stratified by survey respondent self-reported race/ethnicity (American Indian/Alaska Native, Asian, Black/African American, Hispanic/Latino, Middle Eastern/North African, Native Hawaiian/other Pacific Islander, White, other, selected more than one, prefer not to answer). The final column lists the total.

Perception	American Indian/Alaska Native (n=1026)	Asian (n=1688)	Black/African American (n=7956)	Hispanic/Latino (n=15309)	Middle Eastern/North African (n=395)	Native Hawaiian/other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Perception of amount of food package items received from WIC ² [1]											
Juice, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	17 (1.9)	61 (4.0)	88 (1.3)	471 (3.5)	17 (4.8)	3 (1.4)	890 (4.5)	21 (4.4)	130 (3.6)	86 (3.3)	1784 (3.6)
Not enough	334 (37.4)	393 (26.1)	2949 (42.5)	3337 (25.1)	129 (36.2)	79 (36.4)	5621 (28.5)	183 (38.7)	1208 (33.7)	813 (31.2)	15046 (30.3)
Just right	503 (56.4)	928 (61.5)	3706 (53.4)	8684 (65.3)	177 (49.7)	117 (53.9)	11066 (56.1)	227 (48.0)	1990 (55.6)	1412 (54.1)	28810 (58.1)
Too much	21 (2.4)	84 (5.6)	66 (1.0)	498 (3.7)	16 (4.5)	12 (5.5)	1803 (9.1)	25 (5.3)	181 (5.1)	129 (4.9)	2835 (5.7)
Don't know/not sure	17 (1.9)	42 (2.8)	133 (1.9)	305 (2.3)	17 (4.8)	6 (2.8)	347 (1.8)	17 (3.6)	71 (2.0)	168 (6.4)	1123 (2.3)
Milk and/or milk substitutes, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	11 (1.2)	28 (1.9)	215 (3.1)	162 (1.2)	6 (1.7)	3 (1.4)	559 (2.8)	9 (1.9)	87 (2.4)	61 (2.3)	1141 (2.3)
Not enough	248 (27.9)	439 (29.3)	1480 (21.4)	3110 (23.5)	118 (33.5)	60 (27.9)	5555 (28.2)	153 (32.6)	880 (24.6)	681 (26.2)	12724 (25.7)
Just right	564 (63.4)	896 (59.8)	4518 (65.3)	8980 (67.9)	199 (56.5)	132 (61.4)	11081 (56.2)	260 (55.4)	2109 (59.0)	1530 (58.9)	30269 (61.2)
Too much	58 (6.5)	117 (7.8)	599 (8.7)	785 (5.9)	17 (4.8)	16 (7.4)	2310 (11.7)	33 (7.0)	448 (12.5)	199 (7.7)	4582 (9.3)
Don't know/not sure	8 (0.9)	19 (1.3)	102 (1.5)	184 (1.4)	12 (3.4)	4 (1.9)	216 (1.1)	14 (3.0)	49 (1.4)	127 (4.9)	735 (1.5)
Cheese, ^{2,3} n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	17 (1.9)	85 (5.7)	288 (4.2)	318 (2.4)	8 (2.3)	8 (3.7)	367 (1.9)	25 (5.3)	96 (2.7)	68 (2.6)	1280 (2.6)
Not enough	313 (35.2)	299 (19.9)	1860 (26.9)	4035 (30.5)	148 (42.0)	61 (28.4)	8484 (43.0)	145 (30.9)	1454 (40.7)	832 (32.1)	17631 (35.7)
Just right	534 (60.1)	1022 (68.1)	4557 (65.9)	8458 (64.0)	187 (53.1)	135 (62.8)	10474 (53.1)	276 (58.8)	1942 (54.3)	1516 (58.6)	29101 (58.9)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Too much	15 (1.7)	69 (4.6)	113 (1.6)	209 (1.6)	3 (0.9)	6 (2.8)	197 (1.0)	13 (2.8)	43 (1.2)	53 (2.0)	721 (1.5)
Don't know/not sure	9 (1.0)	26 (1.7)	100 (1.4)	192 (1.5)	6 (1.7)	5 (2.3)	195 (1.0)	10 (2.1)	40 (1.1)	119 (4.6)	702 (1.4)
Yogurt, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	37 (4.2)	72 (4.8)	430 (6.2)	675 (5.1)	12 (3.4)	6 (2.8)	1187 (6.0)	25 (5.3)	205 (5.7)	139 (5.4)	2788 (5.6)
Not enough	264 (29.8)	456 (30.4)	1981 (28.7)	3125 (23.7)	168 (47.6)	73 (33.8)	6705 (34.0)	162 (34.6)	1165 (32.7)	760 (29.4)	14859 (30.1)
Just right	544 (61.5)	903 (60.3)	4222 (61.1)	8876 (67.3)	162 (45.9)	132 (61.1)	10939 (55.5)	254 (54.3)	2057 (57.7)	1488 (57.6)	29577 (59.9)
Too much	23 (2.6)	38 (2.5)	132 (1.9)	292 (2.2)	1 (0.3)	4 (1.9)	575 (2.9)	16 (3.4)	92 (2.6)	68 (2.6)	1241 (2.5)
Don't know/not sure	17 (1.9)	29 (1.9)	145 (2.1)	228 (1.7)	10 (2.8)	1 (0.5)	310 (1.6)	11 (2.4)	49 (1.4)	127 (4.9)	927 (1.9)
Infant formula, ³ n (%)	(n=273)	(n=515)	(n=2384)	(n=4436)	(n=108)	(n=77)	(n=6962)	(n=135)	(n=1332)	(n=776)	(n=16998)
Does not buy	35 (13.1)	69 (13.5)	225 (9.6)	612 (14.1)	16 (15.0)	10 (13.5)	1863 (27.0)	15 (11.1)	307 (23.4)	113 (15.1)	3265 (19.5)
Not enough	115 (42.9)	215 (42.1)	980 (41.8)	1615 (37.2)	45 (42.1)	39 (52.7)	2862 (41.5)	58 (43.0)	551 (41.9)	301 (40.2)	6781 (40.5)
Just right	97 (36.2)	197 (38.6)	1044 (44.6)	1885 (43.4)	42 (39.3)	22 (29.7)	1818 (26.3)	51 (37.8)	395 (30.1)	273 (36.4)	5824 (34.8)
Too much	7 (2.6)	4 (0.8)	5 (0.2)	60 (1.4)	1 (0.9)	0 (0.0)	22 (0.3)	4 (3.0)	7 (0.5)	7 (0.9)	117 (0.7)
Don't know/not sure	14 (5.2)	26 (5.1)	88 (3.8)	175 (4.0)	3 (2.8)	3 (4.1)	338 (4.9)	7 (5.2)	54 (4.1)	55 (7.3)	763 (4.6)
Infant jarred meats, ⁴ n (%)	(n=273)	(n=515)	(n=2384)	(n=4436)	(n=108)	(n=77)	(n=6962)	(n=135)	(n=1332)	(n=776)	(n=16998)
Does not buy	64 (23.9)	150 (29.4)	552 (23.7)	1603 (37.1)	42 (40.0)	16 (21.6)	2254 (32.7)	41 (31.3)	408 (31.1)	235 (31.8)	5365 (32.1)
Not enough	46 (17.2)	72 (14.1)	465 (19.9)	481 (11.1)	28 (26.7)	16 (21.6)	1161 (16.8)	23 (17.6)	229 (17.4)	118 (15.9)	2639 (15.8)
Just right	92 (34.3)	168 (32.9)	929 (39.8)	1447 (33.5)	22 (21.0)	34 (45.9)	1821 (26.4)	45 (34.4)	375 (28.6)	221 (29.9)	5154 (30.9)
Too much	19 (7.1)	33 (6.5)	64 (2.7)	257 (6.0)	4 (3.8)	1 (1.4)	556 (8.1)	9 (6.9)	85 (6.5)	39 (5.3)	1067 (6.4)
Don't know/not sure	47 (17.5)	87 (17.1)	323 (13.8)	530 (12.3)	9 (8.6)	7 (9.5)	1110 (16.1)	13 (9.9)	216 (16.5)	127 (17.2)	2469 (14.8)
Infant cereals, ⁴ n (%)	(n=273)	(n=515)	(n=2384)	(n=4436)	(n=108)	(n=77)	(n=6962)	(n=135)	(n=1332)	(n=776)	(n=16998)
Does not buy	49 (18.4)	90 (17.6)	386 (16.6)	917 (21.2)	27 (25.5)	12 (16.2)	1709 (24.8)	27 (20.6)	304 (23.2)	121 (16.4)	3642 (21.8)
Not enough	36 (13.5)	67 (13.1)	574 (24.6)	430 (9.9)	23 (21.7)	12 (16.2)	802 (11.6)	28 (21.4)	184 (14.0)	99 (13.4)	2255 (13.5)
Just right	109 (41.0)	231 (45.3)	1072 (46.0)	2297 (53.1)	43 (40.6)	40 (54.1)	2634 (38.2)	55 (42.0)	523 (39.9)	357 (48.2)	7361 (44.1)
Too much	30 (11.3)	46 (9.0)	64 (2.7)	324 (7.5)	5 (4.7)	6 (8.1)	889 (12.9)	12 (9.2)	123 (9.4)	59 (8.0)	1558 (9.3)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Don't know/not sure	42 (15.8)	76 (14.9)	236 (10.1)	355 (8.2)	8 (7.5)	4 (5.4)	869 (12.6)	9 (6.9)	178 (13.6)	104 (14.1)	1881 (11.3)
Infant jarred fruits and vegetables, ⁴ n (%)	(n=273)	(n=515)	(n=2384)	(n=4436)	(n=108)	(n=77)	(n=6962)	(n=135)	(n=1332)	(n=776)	(n=16998)
Does not buy	45 (16.9)	87 (17.1)	388 (16.6)	987 (22.9)	25 (23.8)	9 (12.3)	1488 (21.6)	22 (16.8)	288 (22.0)	128 (17.3)	3467 (20.8)
Not enough	48 (18.0)	106 (20.8)	514 (22.1)	782 (18.1)	34 (32.4)	21 (28.8)	1353 (19.6)	36 (27.5)	266 (20.3)	176 (23.8)	3336 (20.0)
Just right	124 (46.4)	210 (41.2)	1136 (48.7)	1957 (45.4)	37 (35.2)	33 (45.2)	2756 (40.0)	56 (42.7)	513 (39.2)	311 (42.1)	7133 (42.8)
Too much	14 (5.2)	39 (7.6)	57 (2.4)	223 (5.2)	3 (2.9)	4 (5.5)	415 (6.0)	8 (6.1)	61 (4.7)	33 (4.5)	857 (5.1)
Don't know/not sure	36 (13.5)	68 (13.3)	236 (10.1)	366 (8.5)	6 (5.7)	6 (8.2)	883 (12.8)	9 (6.9)	180 (13.8)	90 (12.2)	1880 (11.3)
Whole grain foods, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	22 (2.5)	73 (4.9)	325 (4.7)	637 (4.8)	18 (5.1)	10 (4.7)	1111 (5.6)	24 (5.2)	173 (4.9)	131 (5.1)	2524 (5.1)
Not enough	285 (32.2)	455 (30.3)	2021 (29.2)	3474 (26.4)	134 (38.2)	67 (31.2)	6408 (32.5)	154 (33.0)	1244 (34.9)	771 (29.9)	15013 (30.4)
Just right	544 (61.4)	889 (59.2)	4285 (62.0)	8475 (64.3)	184 (52.4)	131 (60.9)	11147 (56.5)	245 (52.6)	1992 (55.9)	1456 (56.5)	29348 (59.5)
Too much	18 (2.0)	55 (3.7)	121 (1.8)	299 (2.3)	2 (0.6)	5 (2.3)	610 (3.1)	28 (6.0)	80 (2.2)	59 (2.3)	1277 (2.6)
Don't know/not sure	17 (1.9)	30 (2.0)	160 (2.3)	287 (2.2)	13 (3.7)	2 (0.9)	438 (2.2)	15 (3.2)	77 (2.2)	160 (6.2)	1199 (2.4)
Breakfast cereals, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	9 (1.0)	81 (5.4)	237 (3.4)	346 (2.6)	21 (5.9)	7 (3.3)	636 (3.2)	24 (5.1)	104 (2.9)	95 (3.7)	1560 (3.2)
Not enough	193 (21.8)	177 (11.8)	1605 (23.2)	1599 (12.1)	66 (18.7)	39 (18.1)	3704 (18.8)	89 (19.1)	722 (20.2)	440 (17.1)	8634 (17.5)
Just right	625 (70.5)	993 (66.3)	4682 (67.7)	9864 (74.9)	212 (60.1)	150 (69.8)	12555 (63.7)	303 (64.9)	2296 (64.3)	1711 (66.5)	33391 (67.7)
Too much	52 (5.9)	227 (15.2)	280 (4.1)	1176 (8.9)	40 (11.3)	16 (7.4)	2513 (12.7)	41 (8.8)	384 (10.8)	209 (8.1)	4938 (10.0)
Don't know/not sure	7 (0.8)	19 (1.3)	107 (1.5)	179 (1.4)	14 (4.0)	3 (1.4)	306 (1.6)	10 (2.1)	62 (1.7)	119 (4.6)	826 (1.7)
Canned fish, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	297 (33.5)	459 (30.7)	2084 (30.2)	4384 (33.4)	122 (34.7)	58 (27.1)	7414 (37.6)	131 (28.1)	1171 (32.8)	772 (30.1)	16892 (34.3)
Not enough	135 (15.2)	276 (18.5)	1433 (20.8)	2057 (15.7)	92 (26.1)	48 (22.4)	2999 (15.2)	106 (22.7)	750 (21.0)	481 (18.8)	8377 (17.0)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Just right	344 (38.8)	538 (36.0)	2621 (38.0)	5326 (40.5)	97 (27.6)	84 (39.3)	6439 (32.7)	167 (35.8)	1202 (33.7)	872 (34.0)	17690 (35.9)
Too much	28 (3.2)	49 (3.3)	78 (1.1)	273 (2.1)	3 (0.9)	1 (0.5)	738 (3.7)	13 (2.8)	96 (2.7)	66 (2.6)	1345 (2.7)
Don't know/not sure	82 (9.3)	173 (11.6)	684 (9.9)	1096 (8.3)	38 (10.8)	23 (10.7)	2121 (10.8)	50 (10.7)	346 (9.7)	374 (14.6)	4987 (10.1)
Beans/legumes, ² n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	93 (10.5)	214 (14.3)	599 (8.7)	407 (3.1)	32 (9.1)	49 (22.8)	3558 (18.1)	40 (8.5)	448 (12.6)	187 (7.3)	5627 (11.4)
Not enough	180 (20.3)	291 (19.5)	1634 (23.7)	3997 (30.4)	110 (31.4)	20 (9.3)	3183 (16.1)	140 (29.9)	787 (22.1)	725 (28.2)	11067 (22.4)
Just right	545 (61.4)	865 (57.8)	4344 (62.9)	8321 (63.2)	188 (53.7)	123 (57.2)	11227 (57.0)	253 (53.9)	2071 (58.0)	1455 (56.6)	29392 (59.6)
Too much	30 (3.4)	66 (4.4)	113 (1.6)	209 (1.6)	10 (2.9)	13 (6.0)	939 (4.8)	22 (4.7)	140 (3.9)	55 (2.1)	1597 (3.2)
Don't know/not sure	39 (4.4)	60 (4.0)	213 (3.1)	230 (1.7)	10 (2.9)	10 (4.7)	803 (4.1)	14 (3.0)	122 (3.4)	150 (5.8)	1651 (3.3)
Peanut butter or other nut/seed butters, ^{2,5} n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	47 (5.3)	148 (9.9)	443 (6.4)	2249 (17.1)	47 (13.4)	15 (7.0)	635 (3.2)	66 (14.1)	203 (5.7)	329 (12.8)	4182 (8.5)
Not enough	180 (20.3)	200 (13.3)	1343 (19.4)	1646 (12.5)	70 (19.9)	30 (14.0)	4540 (23.0)	95 (20.3)	729 (20.4)	458 (17.9)	9291 (18.8)
Just right	609 (68.8)	1003 (66.9)	4825 (69.9)	8390 (63.8)	202 (57.5)	157 (73.0)	13334 (67.7)	269 (57.6)	2412 (67.5)	1524 (59.5)	32725 (66.4)
Too much	32 (3.6)	98 (6.5)	146 (2.1)	441 (3.4)	15 (4.3)	11 (5.1)	889 (4.5)	20 (4.3)	157 (4.4)	89 (3.5)	1898 (3.8)
Don't know/not sure	17 (1.9)	50 (3.3)	149 (2.2)	416 (3.2)	17 (4.8)	2 (0.9)	309 (1.6)	17 (3.6)	70 (2.0)	163 (6.4)	1210 (2.5)
Eggs and/or tofu, ^{2,6} n (%)	(n=912)	(n=1532)	(n=7062)	(n=13478)	(n=357)	(n=223)	(n=19909)	(n=484)	(n=3633)	(n=2674)	(n=50264)
Does not buy	5 (0.6)	26 (1.7)	49 (0.7)	76 (0.6)	1 (0.3)	4 (1.9)	271 (1.4)	8 (1.7)	33 (0.9)	29 (1.1)	502 (1.0)
Not enough	507 (57.2)	966 (64.4)	3710 (53.7)	7869 (59.8)	257 (73.2)	132 (61.1)	10977 (55.7)	282 (60.1)	2137 (59.8)	1494 (58.1)	28331 (57.4)
Just right	357 (40.2)	483 (32.2)	3061 (44.3)	5033 (38.2)	87 (24.8)	78 (36.1)	8228 (41.7)	165 (35.2)	1357 (38.0)	937 (36.4)	19786 (40.1)
Too much	7 (0.8)	12 (0.8)	14 (0.2)	69 (0.5)	0 (0.0)	0 (0.0)	74 (0.4)	8 (1.7)	15 (0.4)	13 (0.5)	212 (0.4)
Don't know/not sure	11 (1.2)	12 (0.8)	71 (1.0)	116 (0.9)	6 (1.7)	2 (0.9)	158 (0.8)	6 (1.3)	29 (0.8)	98 (3.8)	509 (1.0)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Perception of WIC food package changes in the last year by length of time in WIC											
No more than 2 years, ⁷ Mean (SD)	(n=533) 4.23 (0.40)	(n=1007) 4.19 (0.24)	(n=3997) 4.04 (0.24)	(n=9595) 4.18 (0.14)	(n=238) 3.86 (0.50)	(n=147) 4.50 (0.47)	(n=11468) 3.80 (0.19)	(n=343) 4.12 (0.33)	(n=2070) 3.86 (0.16)	(n=1745) 3.96 (0.35)	(n=31143) 4.04 (0.94)
Gotten a lot worse	4 (0.8)	1 (0.1)	39 (1.0)	27 (0.3)	1 (0.4)	2 (1.4)	87 (0.8)	4 (1.2)	25 (1.2)	27 (1.6)	217 (0.7)
Gotten a little worse	11 (2.1)	13 (1.3)	112 (2.8)	158 (1.7)	9 (3.8)	1 (0.7)	464 (4.1)	14 (4.2)	91 (4.5)	50 (2.9)	923 (3.0)
Stayed the same	106 (20.3)	224 (22.6)	841 (21.4)	1816 (19.2)	61 (25.7)	27 (19.0)	3968 (34.9)	72 (21.5)	589 (28.9)	384 (22.5)	8088 (26.3)
Improved a little	123 (23.6)	281 (28.3)	973 (24.7)	2668 (28.2)	67 (28.3)	25 (17.6)	2565 (22.6)	87 (26.0)	472 (23.1)	409 (23.9)	7670 (24.9)
Improved a lot	227 (43.5)	382 (38.5)	1595 (40.5)	4229 (44.7)	65 (27.4)	68 (47.9)	2915 (25.7)	123 (36.7)	636 (31.2)	552 (32.3)	10792 (35.1)
Don't know/not sure, n (%)	51 (9.8)	91 (9.2)	379 (9.6)	570 (6.0)	34 (14.3)	19 (13.4)	1361 (12.0)	35 (10.4)	226 (11.1)	287 (16.8)	3053 (9.9)
3 years or more, ⁷ Mean (SD)	(n=479) 3.94 (0.43)	(n=635) 4.07 (0.33)	(n=3867) 4.10 (0.40)	(n=5379) 4.09 (0.21)	(n=152) 3.86 (0.84)	(n=99) 4.02 (0.63)	(n=10192) 3.93 (0.14)	(n=200) 4.14 (0.38)	(n=1891) 4.03 (0.22)	(n=1128) 3.80 (0.36)	(n=24022) 4.07 (0.93)
Gotten a lot worse	7 (1.5)	6 (1.0)	29 (0.8)	17 (0.3)	2 (1.3)	0 (0.0)	77 (0.8)	2 (1.0)	29 (1.6)	23 (2.1)	192 (0.8)
Gotten a little worse	11 (2.3)	14 (2.2)	148 (3.9)	144 (2.7)	1 (0.7)	2 (2.0)	414 (4.1)	7 (3.5)	77 (4.1)	40 (3.6)	858 (3.6)
Stayed the same	109 (23.1)	141 (22.5)	735 (19.3)	1180 (22.3)	41 (27.0)	14 (14.3)	2661 (26.3)	34 (17.2)	380 (20.4)	270 (24.6)	5565 (23.5)
Improved a little	123 (26.1)	182 (29.0)	1076 (28.3)	1361 (25.7)	40 (26.3)	25 (25.5)	3149 (31.1)	53 (26.8)	605 (32.4)	301 (27.4)	6915 (29.1)
Improved a lot	182 (38.6)	246 (39.2)	1603 (42.1)	2282 (43.1)	58 (38.2)	49 (50.0)	3084 (30.5)	83 (41.9)	662 (35.5)	319 (29.1)	8568 (36.1)
Don't know/not sure, n (%)	39 (8.3)	38 (6.1)	214 (5.6)	312 (5.9)	10 (6.6)	8 (8.2)	726 (7.2)	19 (9.6)	114 (6.1)	145 (13.2)	1625 (6.8)
Overall perception of WIC food package changes, ⁷ Mean (SD)	4.06 (0.32)	4.14 (0.22)	4.11 (0.15)	4.15 (0.12)	3.78 (0.74)	4.28 (0.46)	3.86 (0.13)	4.16 (0.31)	3.94 (0.15)	3.89 (0.27)	4.05 (0.93)
Gotten a lot worse	11 (1.1)	7 (0.4)	68 (0.9)	44 (0.3)	3 (0.8)	2 (0.8)	164 (0.8)	6 (1.1)	54 (1.4)	50 (1.8)	409 (0.8)
Gotten a little worse	22 (2.2)	27 (1.7)	260 (3.4)	302 (2.0)	10 (2.6)	3 (1.2)	878 (4.1)	21 (3.9)	168 (4.3)	90 (3.2)	1781 (3.3)

Perception	American Indian/ Alaska Native (n=1026)	Asian (n=1688)	Black/ African American (n=7956)	Hispanic/ Latino (n=15309)	Middle Eastern/ North African (n=395)	Native Hawaiian/ other Pacific Islander (n=250)	White (n=21804)	Other (n=558)	Selected more than one (n=3996)	Prefer not to answer (n=3100)	Total (n=56082)
Stayed the same	215 (21.7)	365 (22.5)	1576 (20.4)	2996 (20.3)	102 (26.2)	41 (17.1)	6629 (30.9)	106 (19.9)	969 (24.8)	654 (23.3)	13653 (25.1)
Improved a little	246 (24.8)	463 (28.6)	2049 (26.5)	4029 (27.3)	107 (27.5)	50 (20.8)	5714 (26.6)	140 (26.3)	1077 (27.6)	710 (25.3)	14585 (26.8)
Improved a lot	409 (41.2)	628 (38.8)	3198 (41.3)	6511 (44.1)	123 (31.6)	117 (48.8)	5999 (27.9)	206 (38.6)	1298 (33.2)	871 (31.0)	19360 (35.5)
Don't know/not sure, n (%)	90 (9.1)	129 (8.0)	593 (7.7)	882 (6.0)	44 (11.3)	27 (11.2)	2087 (9.7)	54 (10.1)	340 (8.7)	432 (15.4)	4678 (8.6)

1. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Only asked of respondents if 'pregnant woman', 'breastfeeding woman', 'non-breastfeeding women whose pregnancy ended in the last 6 months', or '1,2, 3, or 4 year old child' was selected.
3. Response option for CO WIC participants was 'Cheese and/or Tofu'.
4. Only asked of respondents if 'infant under 12 months of age' was selected.
5. Response option for CO and ID WIC participants was 'Peanut butter'.
6. Response option for CO, ID, and KY WIC participants was 'Eggs'.
7. Scored as follows: Gotten a lot worse=1, Gotten a little worse=2, Stayed the same=3, Improved a little=4, Improved a lot=5.

Table 8c. Perceptions of WIC Food Package, by Agency Implementation of WIC Food Package Changes¹

Table summary: Table 8c. lists survey participant perceptions of the WIC food package in the first column followed by results in columns for states with full implementation, partial implementation and no implementation.

Perception	States with Full Implementation (n= 8,116)	States with Partial Implementation (n= 16,395)	States with No Implementation (n= 31,571)	Total (n=56,082)
Perception of amount of food package items received from WIC ² [1]				
Juice, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	531 (7.4)	351 (2.5)	902 (3.2)	1784 (3.6)
Not enough	2384 (33.1)	4699 (32.9)	7963 (28.3)	15046 (30.3)
Just right	3812 (52.9)	8275 (57.9)	16723 (59.5)	28810 (58.1)
Too much	298 (4.1)	685 (4.8)	1852 (6.6)	2835 (5.7)
Don't know/not sure	184 (2.6)	288 (2.0)	651 (2.3)	1123 (2.3)
Milk and/or milk substitutes, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	178 (2.5)	302 (2.1)	661 (2.4)	1141 (2.3)
Not enough	2388 (33.2)	3605 (25.3)	6731 (24.0)	12724 (25.7)
Just right	4088 (56.8)	8856 (62.1)	17325 (61.9)	30269 (61.2)
Too much	456 (6.3)	1297 (9.1)	2829 (10.1)	4582 (9.3)
Don't know/not sure	89 (1.2)	192 (1.3)	454 (1.6)	735 (1.5)
Cheese, ^{2,3} n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	118 (1.6)	372 (2.6)	790 (2.8)	1280 (2.6)
Not enough	2997 (41.6)	4711 (33.0)	9923 (35.5)	17631 (35.7)
Just right	3945 (54.8)	8767 (61.5)	16389 (58.6)	29101 (58.9)
Too much	64 (0.9)	198 (1.4)	459 (1.6)	721 (1.5)
Don't know/not sure	75 (1.0)	212 (1.5)	415 (1.5)	702 (1.4)
Yogurt, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	318 (4.4)	730 (5.1)	1740 (6.2)	2788 (5.6)
Not enough	2222 (30.9)	4398 (30.9)	8239 (29.5)	14859 (30.1)
Just right	4362 (60.6)	8541 (60.0)	16674 (59.6)	29577 (59.9)
Too much	187 (2.6)	291 (2.0)	763 (2.7)	1241 (2.5)
Don't know/not sure	107 (1.5)	280 (2.0)	540 (1.9)	927 (1.9)
Infant formula, ³ n (%)	(n=2492)	(n=5222)	(n=9284)	(n=16998)
Does not buy	492 (20.0)	792 (15.3)	1981 (21.7)	3265 (19.5)
Not enough	1033 (42.0)	2197 (42.6)	3551 (38.9)	6781 (40.5)
Just right	822 (33.4)	1918 (37.2)	3084 (33.8)	5824 (34.8)
Too much	8 (0.3)	40 (0.8)	69 (0.8)	117 (0.7)
Don't know/not sure	106 (4.3)	214 (4.1)	443 (4.9)	763 (4.6)
Infant jarred meats, ⁴ n (%)	(n=2492)	(n=5222)	(n=9284)	(n=16998)

Perception	States with Full Implementation (n= 8,116)	States with Partial Implementation (n= 16,395)	States with No Implementation (n= 31,571)	Total (n=56,082)
Does not buy	769 (31.3)	1521 (29.5)	3075 (33.8)	5365 (32.1)
Not enough	393 (16.0)	956 (18.6)	1290 (14.2)	2639 (15.8)
Just right	797 (32.4)	1688 (32.8)	2669 (29.4)	5154 (30.9)
Too much	164 (6.7)	220 (4.3)	683 (7.5)	1067 (6.4)
Don't know/not sure	336 (13.7)	763 (14.8)	1370 (15.1)	2469 (14.8)
Infant cereals, ⁴ n (%)	(n=2492)	(n=5222)	(n=9284)	(n=16998)
Does not buy	535 (21.7)	1010 (19.6)	2097 (23.1)	3642 (21.8)
Not enough	324 (13.2)	1007 (19.6)	924 (10.2)	2255 (13.5)
Just right	1087 (44.2)	2236 (43.4)	4038 (44.4)	7361 (44.1)
Too much	243 (9.9)	336 (6.5)	979 (10.8)	1558 (9.3)
Don't know/not sure	272 (11.1)	561 (10.9)	1048 (11.5)	1881 (11.3)
Infant jarred fruits and vegetables, ⁴ n (%)	(n=2492)	(n=5222)	(n=9284)	(n=16998)
Does not buy	513 (20.9)	1020 (19.8)	1934 (21.3)	3467 (20.8)
Not enough	494 (20.1)	1208 (23.5)	1634 (18.0)	3336 (20.0)
Just right	1075 (43.8)	2180 (42.4)	3878 (42.7)	7133 (42.8)
Too much	112 (4.6)	178 (3.5)	567 (6.2)	857 (5.1)
Don't know/not sure	262 (10.7)	558 (10.8)	1060 (11.7)	1880 (11.3)
Whole grain foods, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	308 (4.3)	765 (5.4)	1451 (5.2)	2524 (5.1)
Not enough	2249 (31.3)	4391 (30.8)	8373 (30.0)	15013 (30.4)
Just right	4300 (59.8)	8419 (59.1)	16629 (59.5)	29348 (59.5)
Too much	188 (2.6)	329 (2.3)	760 (2.7)	1277 (2.6)
Don't know/not sure	145 (2.0)	332 (2.3)	722 (2.6)	1199 (2.4)
Breakfast cereals, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	231 (3.2)	427 (3.0)	902 (3.2)	1560 (3.2)
Not enough	1194 (16.6)	2706 (19.0)	4734 (17.0)	8634 (17.5)
Just right	4858 (67.5)	9690 (68.1)	18843 (67.5)	33391 (67.7)
Too much	811 (11.3)	1191 (8.4)	2936 (10.5)	4938 (10.0)
Don't know/not sure	99 (1.4)	214 (1.5)	513 (1.8)	826 (1.7)
Canned fish, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	1682 (23.4)	5158 (36.3)	10052 (36.0)	16892 (34.3)
Not enough	1686 (23.5)	2246 (15.8)	4445 (15.9)	8377 (17.0)
Just right	3065 (42.6)	4906 (34.5)	9719 (34.9)	17690 (35.9)
Too much	278 (3.9)	307 (2.2)	760 (2.7)	1345 (2.7)
Don't know/not sure	476 (6.6)	1600 (11.3)	2911 (10.4)	4987 (10.1)
Beans/legumes, ² n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)

Perception	States with Full Implementation (n= 8,116)	States with Partial Implementation (n= 16,395)	States with No Implementation (n= 31,571)	Total (n=56,082)
Does not buy	583 (8.1)	1469 (10.3)	3575 (12.8)	5627 (11.4)
Not enough	1466 (20.4)	3432 (24.1)	6169 (22.1)	11067 (22.4)
Just right	4687 (65.2)	8494 (59.7)	16211 (58.1)	29392 (59.6)
Too much	287 (4.0)	343 (2.4)	967 (3.5)	1597 (3.2)
Don't know/not sure	168 (2.3)	483 (3.4)	1000 (3.6)	1651 (3.3)
Peanut butter or other nut/seed butters, ^{2,5} n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	360 (5.0)	1035 (7.3)	2787 (10.0)	4182 (8.5)
Not enough	1413 (19.7)	2870 (20.2)	5008 (18.0)	9291 (18.8)
Just right	5022 (69.9)	9516 (66.9)	18187 (65.2)	32725 (66.4)
Too much	261 (3.6)	473 (3.3)	1164 (4.2)	1898 (3.8)
Don't know/not sure	128 (1.8)	330 (2.3)	752 (2.7)	1210 (2.5)
Eggs and/or tofu, ^{2,6} n (%)	(n=7281)	(n=14483)	(n=28500)	(n=50264)
Does not buy	59 (0.8)	133 (0.9)	310 (1.1)	502 (1.0)
Not enough	4126 (57.4)	8300 (58.3)	15905 (57.0)	28331 (57.4)
Just right	2922 (40.6)	5610 (39.4)	11254 (40.3)	19786 (40.1)
Too much	25 (0.3)	51 (0.4)	136 (0.5)	212 (0.4)
Don't know/not sure	61 (0.8)	135 (0.9)	313 (1.1)	509 (1.0)
Perception of WIC food package changes in the last year by length of time in WIC				
	(n=4468)	(n=9175)	(n=17500)	(n=31143)
No more than 2 years, ⁷ Mean (SD)	3.94 (0.08)	3.98 (0.19)	4.01 (0.09)	4.04 (0.94)
Gotten a lot worse, n (%)	32 (0.7)	62 (0.7)	123 (0.7)	217 (0.7)
Gotten a little worse, n (%)	197 (4.5)	268 (3.0)	458 (2.7)	923 (3.0)
Stayed the same, n (%)	1162 (26.3)	2468 (27.2)	4458 (25.8)	8088 (26.3)
Improved a little, n (%)	1083 (24.5)	2154 (23.8)	4433 (25.7)	7670 (24.9)
Improved a lot, n (%)	1549 (35.0)	3186 (35.1)	6057 (35.1)	10792 (35.1)
Don't know/not sure, n (%)	400 (9.0)	929 (10.2)	1724 (10.0)	3053 (9.9)
3 years or more, ⁷ Mean (SD)	(n=3572) 4.05 (0.06)	(n=6955) 4.00 (0.14)	(n=13495) 4.03 (0.15)	(n=24022) 4.07 (0.93)
Gotten a lot worse, n (%)	30 (0.8)	58 (0.8)	104 (0.8)	192 (0.8)
Gotten a little worse, n (%)	149 (4.2)	280 (4.1)	429 (3.2)	858 (3.6)
Stayed the same, n (%)	743 (21.0)	1435 (20.9)	3387 (25.5)	5565 (23.5)
Improved a little, n (%)	1079 (30.5)	1979 (28.8)	3857 (29.0)	6915 (29.1)
Improved a lot, n (%)	1304 (36.8)	2638 (38.4)	4626 (34.8)	8568 (36.1)
Don't know/not sure, n (%)	238 (6.7)	485 (7.1)	902 (6.8)	1625 (6.8)
Overall perception of WIC food package changes, ⁷ Mean (SD)	3.99 (0.04)	3.99 (0.15)	4.02 (0.11)	4.05 (0.93)
Gotten a lot worse, n (%)	62 (0.8)	120 (0.8)	227 (0.7)	409 (0.8)

Perception	States with Full Implementation (n= 8,116)	States with Partial Implementation (n= 16,395)	States with No Implementation (n= 31,571)	Total (n=56,082)
Gotten a little worse, n (%)	346 (4.3)	548 (3.4)	887 (2.9)	1781 (3.3)
Stayed the same, n (%)	1905 (23.9)	3903 (24.5)	7845 (25.7)	13653 (25.1)
Improved a little, n (%)	2162 (27.1)	4133 (25.9)	8290 (27.1)	14585 (26.8)
Improved a lot, n (%)	2853 (35.8)	5824 (36.5)	10683 (35.0)	19360 (35.5)
Don't know/not sure, n (%)	638 (8.0)	1414 (8.9)	2626 (8.6)	4678 (8.6)

1. Agencies were categorized into full (n=4, CO, ME, MT, WV), partial (n=10, CT, IL, KS, KY, LA, MI, NH, NM, Pueblo of Isleta, WCD), or no implementation (n=13, HI, ID, MD, MN, NE, NV, NY, NC, OH, SD, UT, VA, WI) of WIC food package changes across all food packages by June 30, 2025. Sample size may vary due to incomplete surveys. Data presented are the average of each state's and tribal organization's average. Percentages may not add up to 100% due to rounding error and/or because participants were able to select 'prefer not to answer' or 'don't know/not sure' as a response option. Averages for the total sample are weighted by state size; averages for English, Spanish, Arabic, and Haitian Creole-speaking samples are not.
2. Only asked of respondents if 'pregnant woman', 'breastfeeding woman', 'non-breastfeeding women whose pregnancy ended in the last 6 months', or '1, 2, 3, or 4 year old child' was selected.
3. Response option for CO WIC participants was 'Cheese and/or Tofu'.
4. Only asked of respondents if 'infant under 12 months of age' was selected.
5. Response option for CO and ID WIC participants was 'Peanut butter'.
6. Response option for CO, ID, and KY WIC participants was 'Eggs'.
7. Scored as follows: Gotten a lot worse=1, Gotten a little worse=2, Stayed the same=3, Improved a little=4, Improved a lot=5.