



Wello 2023 Community Health and Well-Being Survey

Stratified Analysis
Race/Ethnicity: Hispanic or Latinx

April 2024

Background

The Wello Community Health and Well-Being Survey partners with researchers at the Strategic Research Institute at St. Norbert College. The survey is based on an adapted version of the World Health Organization's Quality of Life - BREF (WHOQOL-BREF) survey, with added demographic and regionally specific open-ended questions. Institutional Review Board (IRB) approval was obtained by the research team from Wello and St. Norbert College to conduct the community-wide survey. The IRB is an administrative body that protects the rights and welfare of human research subjects in research activities.

This community-wide survey is completed bi-annually. The baseline survey was originally piloted and tested in the fall of 2018, with full implementation of the survey completed in summer 2019. This survey was administered over a six-week period between July 15 and August 31, 2023 at in-person community events and gathering spaces, through email distribution from local companies and organizations, during community events, through members of the community, and with print, television and social media campaigns. The survey took, on average, less than 10 minutes to complete and was available in English and Spanish. To be eligible for the survey, individuals had to be 18 years of age or older. The survey was available to anyone across Northeast, Wisconsin to complete, however, analysis was completed only on respondents with Brown County, Wisconsin zip codes.

The Wello Community Health and Well-being survey seeks to collect data that can build an overall picture of collective well-being in Brown County. Measures include Cantril's Self-Anchoring Striving Scale that assess thriving, struggling, and suffering, subjective data - how people feel about their lives - in four different areas: physical health, psychological health, social relationships and the environments in which people live, learn, work and play, as well as a set of community condition data based on areas of local interest.

Local data collection via this survey instrument is scheduled to occur again in July of 2025.

Survey Analysis

The Wello Community Health and Well-Being survey was analyzed using two different methods of analysis.

Weighted, Descriptive Statistic Data

Data was weighted to align with Brown County, Wisconsin demographics. Demographic information for Brown County was obtained from the American Community Survey 5-year estimates (2018 – 2022). The same demographic weighting categories that were used for the 2019 and 2021 surveys were used for the 2023 analysis - age, self identified gender, race/ethnicity, and formal educational attainment. All the results are presented using weighted data.

Logistic Regression Data

Logistic regression is a predictive analysis technique used to understand the probability, or odds, or a particular outcome occurring.

Survey outcomes were fitted with crude models for each demographic predictor variable. Variables exhibiting a significant ($p < 0.05$) effect in the crude model were included in the multivariate model. Regression models were achieved through a stepwise subtractive method. Non-significant variables were determined to be confounders if their inclusion in the model changed significant effects $\geq 10\%$. All variables were further tested for effect modification.

Logistic regression requires dichotomization of the data, meaning, there are two possible outcomes. The 2023 Wello Community Health and Well-Being survey metrics were dichotomized before logistic regression. This information is available upon request.

How to understand the findings of logistic regression

This analysis allows us to present findings that are significant **regardless of other demographic factors**. Findings are shown as odds ratios. Significant findings pertaining to the Hispanic/ Latino respondents are included in this report.

Wello Community Health and Well-Being Survey, 2023

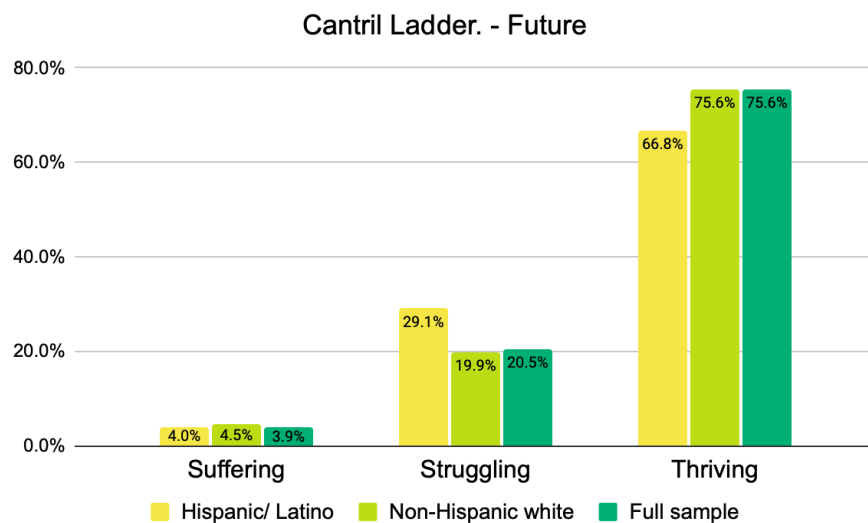
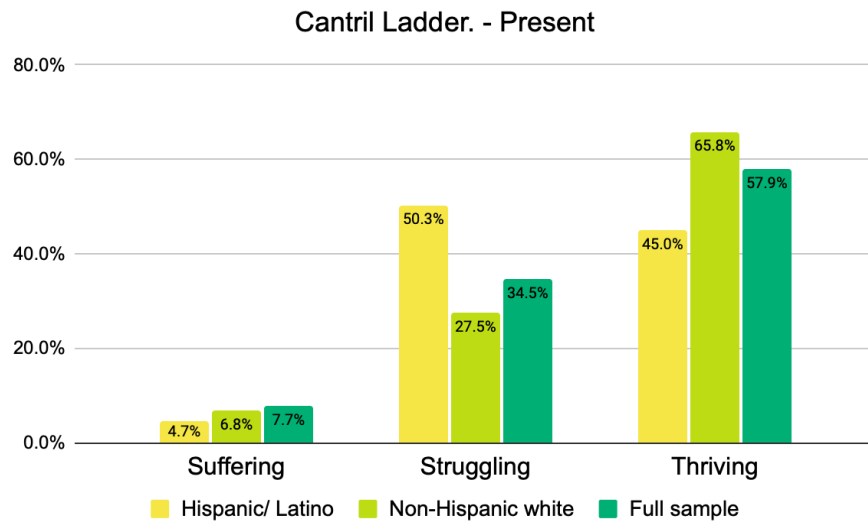
Selected Survey Demographics (Unweighted)

| Variable | Description | 2023 Wello Survey | Brown County |
|-------------------------|------------------------|-------------------|--------------|
| Age and gender | | | |
| | Male, 18 - 64 | 22.8% | 38.9% |
| | Female, 18 - 64 | 62.7% | 40.0% |
| | Male, 65+ | 4.5% | 9.5% |
| | Female, 65+ | 8.9% | 11.6% |
| | Nonbinary, 18 - 64 | 1.1% | not measured |
| LGBTQ+ Status | | | |
| | Yes | 13.2% | not measured |
| | No | 86.8% | not measured |
| Race/ Ethnicity | | | |
| | Asian | 3.0% | 3.1% |
| | Black | 6.0% | 2.6% |
| | Hawaiian/ PI | 0.1% | < 0.1% |
| | Hispanic/ Latino | 9.8% | 9.4% |
| | Mixed race | 1.2% | 3.9% |
| | Native American | 1.7% | 1.7% |
| | White | 78.3% | 78.9% |
| | Other | 0.0% | 0.3% |
| Marital Status | | | |
| | Divorced/ Separated | 12.8% | 12.4% |
| | Married | 62.1% | 49.8% |
| | Single | 22.1% | 32.9% |
| | Widowed | 3.1% | 4.9% |
| Employment | | | |
| | Currently employed | 80.3% | 66.3% |
| | Not currently employed | 19.7% | 33.7% |
| Formal Education | | | |
| | Less than High School | 4.5% | 7.1% |
| | High School Graduate | 9.7% | 29.5% |
| | Some College | 22.4% | 31.6% |
| | College Graduate | 37.8% | 22.2% |
| | Graduate Degree | 25.5% | 9.5% |

Note: The data was weighted to align with Brown County, Wisconsin demographics. Demographic information for Brown County was obtained from the American Community Survey 5-year estimates (2018 – 2022). These are the same demographic weighting categories that were used for the 2019 and 2021 survey analysis - self identified gender, race/ethnicity, and formal educational attainment. All the results are presented using weighted data.

Cantril Self-Anchoring Striving Scale

The Cantril Self- Anchoring Striving Scale asks respondents to think of a ladder, with the best possible life for them being a 10 and the worst possible life being a 0. Respondents are asked to rate their own current lives on that 0 to 10 scale. They are then asked to predict their lives five years in the future using the same 0 to 10 scale. Scores can be broken down to represent groups who are thriving (scores ≥ 7), struggling (scores from 4 to 6), or suffering (scores < 4). The following graphs compare Cantril Ladder scores for survey respondents who identified as Hispanic or Latino, survey respondents who identified as non-Hispanic white, and total survey respondents.



WHOQOL-BREF

Wello. (2024). Community Health and Well-Being Survey: Brown County, Wisconsin, 2023 Survey Results.

The World Health Organization Quality of Life Assessment (WHOQOL-BREF) is a cross-culturally comparable quality of life (QOL) measurement that assess quality of life within the context of an individual's culture, value systems, personal goals, standards, and concerns. The WHOQOL-BREF questionnaire contains 26 items and addresses 4 QOL domains: physical health (Q3, Q4, Q10, Q15, Q16, Q17, Q18), psychological health (Q5, Q6, Q7, Q11, Q19, Q26), social relationships (Q20, Q21, Q22) and environment (Q8, Q9, Q12, Q13, Q14, Q23, Q24, Q25). Two other items measure overall quality of life and general health (Q1, Q2). Items are rated on a 5-point Likert scale (low score of 1 to high score of 5) to determine a raw item score. The following table compares weighted WHOQOL scores for survey respondents who identified as Hispanic or Latino, survey respondents who identified as non-Hispanic white, and total survey respondents.

| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|--|------------------------------------|-----------------------------------|------------------------|-----------------|
| Q1 How would you rate your quality of life? | Very poor | 0.025 | 0.025 | 0.029 |
| | Poor | 0.025 | 0.047 | 0.045 |
| | Neither poor nor good | 0.372 | 0.136 | 0.206 |
| | Good | 0.514 | 0.485 | 0.477 |
| | Very good | 0.064 | 0.307 | 0.244 |
| Q2 How satisfied are you with your health? | Very dissatisfied | 0.043 | 0.038 | 0.039 |
| | Dissatisfied | 0.225 | 0.180 | 0.190 |
| | Neither satisfied nor dissatisfied | 0.296 | 0.187 | 0.234 |
| | Satisfied | 0.413 | 0.457 | 0.409 |
| | Very satisfied | 0.023 | 0.139 | 0.128 |
| Q3 To what extent do you feel that pain prevents you from doing what you need to do? | Not at all | 0.448 | 0.377 | 0.354 |
| | A little | 0.169 | 0.314 | 0.283 |
| | A moderated amount | 0.182 | 0.176 | 0.196 |
| | Very much | 0.201 | 0.093 | 0.132 |
| | An extreme amount | 0.000 | 0.040 | 0.036 |
| Q4 How much do you need any medical treatment to function in your daily life? | Not at all | 0.428 | 0.420 | 0.423 |
| | A little | 0.136 | 0.275 | 0.236 |
| | A moderated amount | 0.239 | 0.176 | 0.199 |
| | Very much | 0.173 | 0.101 | 0.112 |
| | An extreme amount | 0.024 | 0.028 | 0.030 |

| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|---|--------------------|-----------------------------------|------------------------|-----------------|
| Q5 How much do you enjoy life? | Not at all | 0.025 | 0.027 | 0.025 |
| | A little | 0.100 | 0.080 | 0.092 |
| | A moderated amount | 0.382 | 0.275 | 0.286 |
| | Very much | 0.406 | 0.489 | 0.454 |
| | An extreme amount | 0.086 | 0.129 | 0.142 |
| Q6 To what extent do you feel your life to be meaningful? | Not at all | 0.025 | 0.033 | 0.035 |
| | A little | 0.125 | 0.117 | 0.117 |
| | A moderated amount | 0.351 | 0.228 | 0.228 |
| | Very much | 0.347 | 0.448 | 0.428 |
| | An extreme amount | 0.152 | 0.175 | 0.192 |
| Q7 How well are you able to concentrate? | Not at all | 0.054 | 0.026 | 0.032 |
| | A little | 0.289 | 0.087 | 0.114 |
| | A moderated amount | 0.404 | 0.367 | 0.362 |
| | Very much | 0.236 | 0.408 | 0.358 |
| | An extreme amount | 0.018 | 0.112 | 0.134 |
| Q8 How safe do you feel in your daily life? | Not at all | 0.025 | 0.016 | 0.023 |
| | A little | 0.248 | 0.063 | 0.091 |
| | A moderated amount | 0.284 | 0.175 | 0.198 |
| | Very much | 0.331 | 0.493 | 0.445 |
| | An extreme amount | 0.112 | 0.252 | 0.243 |
| Q9 How healthy is your physical environment? | Not at all | 0.033 | 0.018 | 0.027 |
| | A little | 0.153 | 0.049 | 0.076 |
| | A moderated amount | 0.263 | 0.215 | 0.234 |
| | Very much | 0.459 | 0.533 | 0.496 |
| | An extreme amount | 0.092 | 0.184 | 0.167 |
| Q10 Do you have enough energy for everyday life? | Not at all | 0.035 | 0.014 | 0.020 |
| | A little | 0.169 | 0.173 | 0.154 |
| | Moderately | 0.390 | 0.351 | 0.348 |
| | Mostly | 0.297 | 0.291 | 0.318 |
| | Completely | 0.110 | 0.171 | 0.161 |

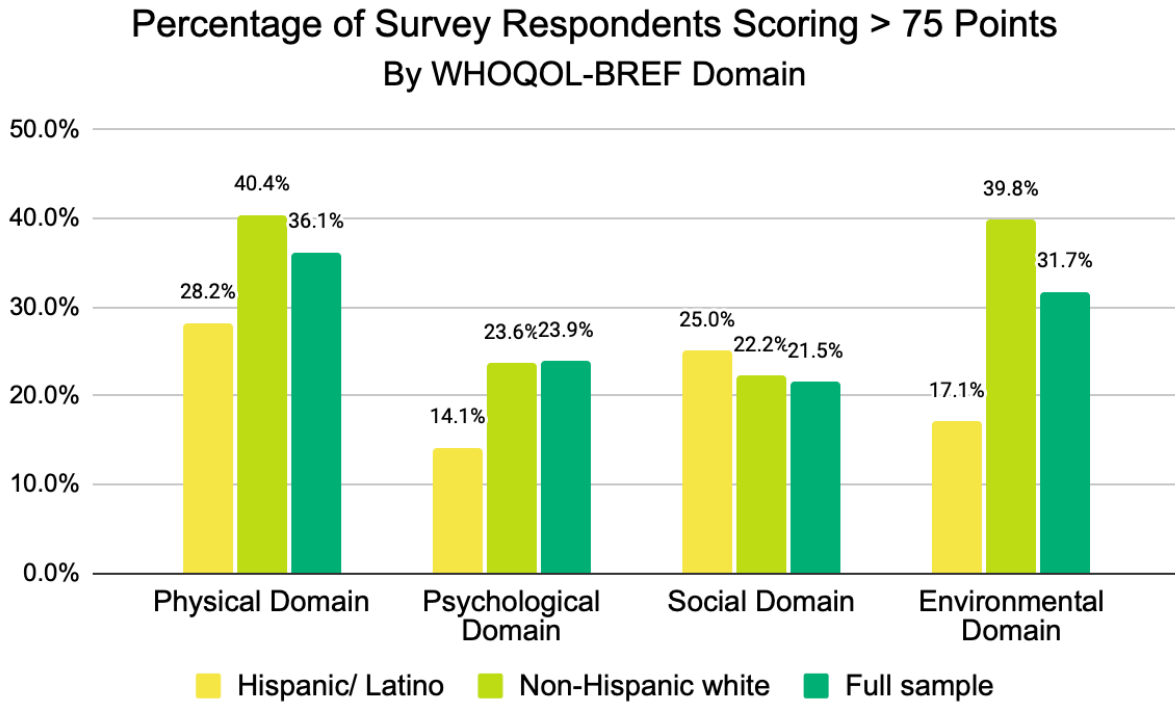
| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|--|------------------------------------|-----------------------------------|------------------------|-----------------|
| Q11 Are you able to accept your bodily appearance? | Not at all | 0.029 | 0.047 | 0.040 |
| | A little | 0.169 | 0.175 | 0.172 |
| | Moderately | 0.420 | 0.332 | 0.316 |
| | Mostly | 0.314 | 0.328 | 0.315 |
| | Completely | 0.069 | 0.118 | 0.157 |
| Q12 Have you enough money to meet your needs? | Not at all | 0.034 | 0.060 | 0.102 |
| | A little | 0.359 | 0.138 | 0.167 |
| | Moderately | 0.399 | 0.314 | 0.325 |
| | Mostly | 0.173 | 0.233 | 0.219 |
| | Completely | 0.034 | 0.255 | 0.188 |
| Q13 How available to you is the information that you need in your day-to-day life? | Not at all | 0.018 | 0.011 | 0.013 |
| | A little | 0.273 | 0.075 | 0.116 |
| | Moderately | 0.360 | 0.212 | 0.243 |
| | Mostly | 0.314 | 0.433 | 0.416 |
| | Completely | 0.036 | 0.269 | 0.213 |
| Q14 To what extent do you have the opportunity for leisure activities? | Not at all | 0.043 | 0.035 | 0.039 |
| | A little | 0.257 | 0.158 | 0.175 |
| | Moderately | 0.450 | 0.291 | 0.338 |
| | Mostly | 0.212 | 0.382 | 0.335 |
| | Completely | 0.038 | 0.134 | 0.113 |
| Q15 How well are you able to physically get around? | Very poor | 0.112 | 0.007 | 0.023 |
| | Poor | 0.040 | 0.066 | 0.064 |
| | Neither poor nor good | 0.195 | 0.136 | 0.148 |
| | Good | 0.353 | 0.298 | 0.311 |
| | Very good | 0.299 | 0.493 | 0.455 |
| Q16 How satisfied are you with your sleep? | Very dissatisfied | 0.032 | 0.023 | 0.029 |
| | Dissatisfied | 0.157 | 0.254 | 0.227 |
| | Neither satisfied nor dissatisfied | 0.434 | 0.203 | 0.252 |
| | Satisfied | 0.325 | 0.412 | 0.374 |
| | Very satisfied | 0.051 | 0.109 | 0.117 |

| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|--|------------------------------------|-----------------------------------|------------------------|-----------------|
| Q17 How satisfied are you with your ability to perform your daily living activities? | Very dissatisfied | 0.032 | 0.018 | 0.020 |
| | Dissatisfied | 0.063 | 0.095 | 0.091 |
| | Neither satisfied nor dissatisfied | 0.418 | 0.190 | 0.226 |
| | Satisfied | 0.385 | 0.441 | 0.429 |
| | Very satisfied | 0.102 | 0.257 | 0.235 |
| Q18 How satisfied are you with your capacity for work? | Very dissatisfied | 0.007 | 0.041 | 0.028 |
| | Dissatisfied | 0.092 | 0.113 | 0.107 |
| | Neither satisfied nor dissatisfied | 0.452 | 0.144 | 0.216 |
| | Satisfied | 0.340 | 0.448 | 0.427 |
| | Very satisfied | 0.109 | 0.254 | 0.223 |
| Q19 How satisfied are you with yourself? | Very dissatisfied | 0.025 | 0.018 | 0.021 |
| | Dissatisfied | 0.085 | 0.126 | 0.127 |
| | Neither satisfied nor dissatisfied | 0.393 | 0.215 | 0.230 |
| | Satisfied | 0.354 | 0.482 | 0.436 |
| | Very satisfied | 0.143 | 0.159 | 0.186 |
| Q20 How satisfied are you with your personal relationships? | Very dissatisfied | 0.032 | 0.020 | 0.028 |
| | Dissatisfied | 0.038 | 0.140 | 0.129 |
| | Neither satisfied nor dissatisfied | 0.436 | 0.182 | 0.225 |
| | Satisfied | 0.356 | 0.420 | 0.403 |
| | Very satisfied | 0.138 | 0.238 | 0.214 |
| Q21 How satisfied are you with your sex life? | Very dissatisfied | 0.044 | 0.101 | 0.097 |
| | Dissatisfied | 0.140 | 0.177 | 0.157 |
| | Neither satisfied nor dissatisfied | 0.427 | 0.303 | 0.327 |
| | Satisfied | 0.188 | 0.305 | 0.273 |
| | Very satisfied | 0.200 | 0.114 | 0.146 |
| Q22 How satisfied are you with the support you get from your friends? | Very dissatisfied | 0.025 | 0.019 | 0.036 |
| | Dissatisfied | 0.120 | 0.134 | 0.124 |
| | Neither satisfied nor dissatisfied | 0.285 | 0.188 | 0.239 |
| | Satisfied | 0.463 | 0.426 | 0.410 |
| | Very satisfied | 0.107 | 0.233 | 0.192 |

| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|---|------------------------------------|-----------------------------------|------------------------|-----------------|
| Q23 How satisfied are you with the conditions of your living place? | Very dissatisfied | 0.083 | 0.027 | 0.040 |
| | Dissatisfied | 0.064 | 0.087 | 0.094 |
| | Neither satisfied nor dissatisfied | 0.084 | 0.124 | 0.146 |
| | Satisfied | 0.583 | 0.390 | 0.416 |
| | Very satisfied | 0.186 | 0.373 | 0.304 |
| Q24 How satisfied are you with your access to health services? | Very dissatisfied | 0.108 | 0.031 | 0.042 |
| | Dissatisfied | 0.132 | 0.065 | 0.078 |
| | Neither satisfied nor dissatisfied | 0.298 | 0.139 | 0.170 |
| | Satisfied | 0.370 | 0.419 | 0.421 |
| | Very satisfied | 0.092 | 0.345 | 0.289 |
| Q25 How satisfied are you with your transportation options? | Very dissatisfied | 0.112 | 0.013 | 0.050 |
| | Dissatisfied | 0.076 | 0.052 | 0.069 |
| | Neither satisfied nor dissatisfied | 0.249 | 0.112 | 0.132 |
| | Satisfied | 0.429 | 0.396 | 0.398 |
| | Very satisfied | 0.135 | 0.427 | 0.351 |
| Q26 How often did you have negative feelings (blue mood, despair, anxiety/ depression)? | Never | 0.117 | 0.133 | 0.125 |
| | Seldom | 0.343 | 0.474 | 0.420 |
| | Quite often | 0.346 | 0.229 | 0.256 |
| | Very often | 0.118 | 0.128 | 0.142 |
| | Always | 0.076 | 0.037 | 0.056 |

WHOQOL-BREF Health Domains

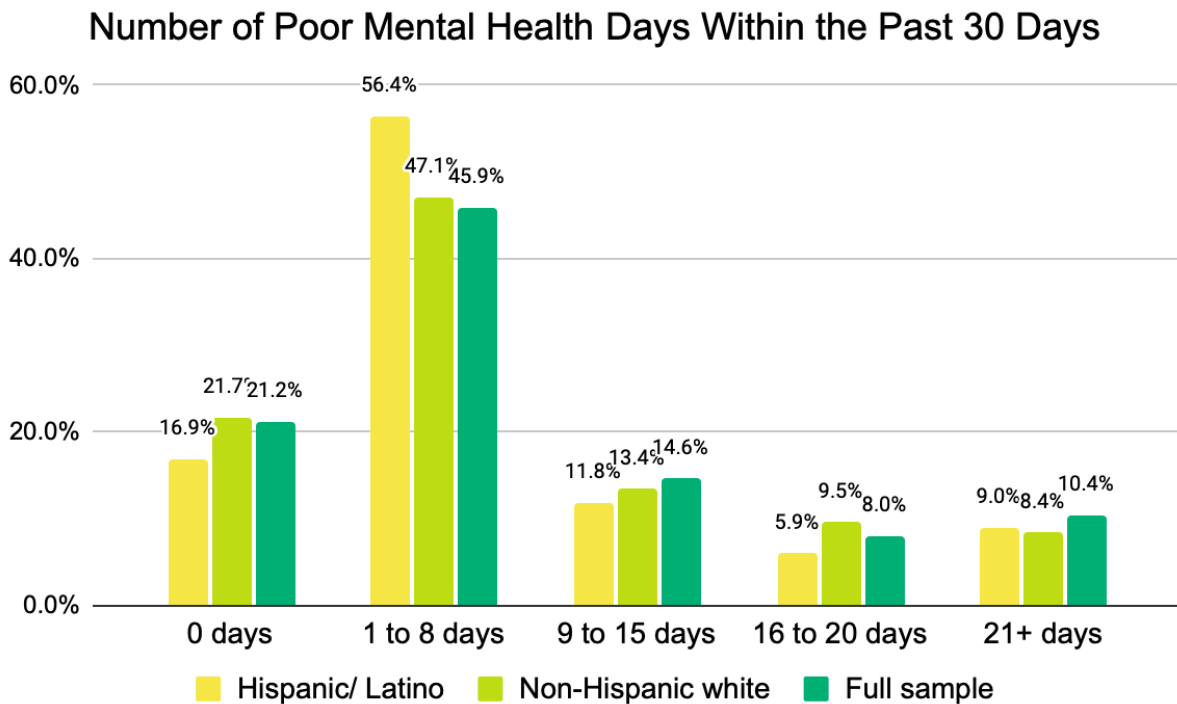
To determine domain scores, raw item scores from individual questions are summed according to domain category. Scores are then transformed to a 100-point scale. The following graph represents the percentage of each population (Hispanic/ Latino, non-Hispanic white, and full sample) that scored more than 75 points for each of the four WHOQOL-BREF domains.



| Domain | Transformed score | Hispanic/ Latino population | NH white population | Total sample |
|-----------------------------|-------------------|-----------------------------------|------------------------|-----------------|
| WHOQOL Physical Health | 0 - 25 points | 0.000 | 0.028 | 0.022 |
| | 26 - 50 points | 0.275 | 0.175 | 0.188 |
| | 51 - 75 points | 0.443 | 0.392 | 0.430 |
| | 76 - 100 points | 0.282 | 0.404 | 0.361 |
| WHOQOL Psychological Health | 0 - 25 points | 0.000 | 0.029 | 0.030 |
| | 26 - 50 points | 0.329 | 0.229 | 0.236 |
| | 51 - 75 points | 0.530 | 0.506 | 0.495 |
| | 76 - 100 points | 0.141 | 0.236 | 0.239 |
| WHOQOL Social Health | 0 - 25 points | 0.029 | 0.084 | 0.084 |
| | 26 - 50 points | 0.312 | 0.236 | 0.244 |
| | 51 - 75 points | 0.409 | 0.458 | 0.457 |
| | 76 - 100 points | 0.250 | 0.222 | 0.215 |
| WHOQOL Environmental Health | 0 - 25 points | 0.000 | 0.022 | 0.038 |
| | 26 - 50 points | 0.276 | 0.130 | 0.185 |
| | 51 - 75 points | 0.553 | 0.450 | 0.460 |
| | 76 - 100 points | 0.171 | 0.398 | 0.317 |

Number of Poor Mental Health Days

The metric for poor mental health days was taken from the Behavioral Risk Factor Surveillance System and was determined by the answer to the question *Thinking about your mental health, which includes stress, depression and problems with emotions, for how many days in the past 30 days was your mental health not good?* The following graph compares poor mental health days for survey respondents who identified as Hispanic or Latino, survey respondents who identified as non-Hispanic white, and total survey respondents.



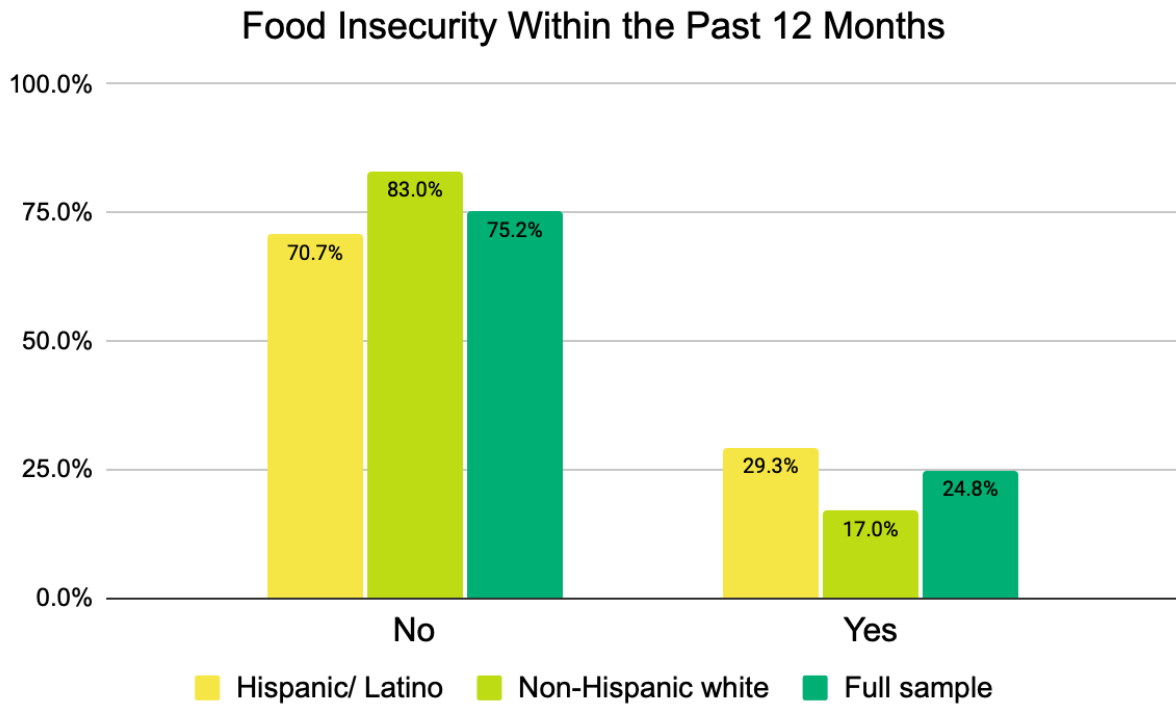
Inclusion

Utilizing a question of inclusion from the Behavioral Risk Factor Surveillance System (BRFSS) Survey Race Module, people were asked, *Within the past 30 days, have you felt emotionally upset, for example angry, sad, or frustrated, as a result of how you were treated based on your* (areas listed below). Respondents were able to choose all that applied, meaning, one could choose more than one variable (sum will be over 100%). The following table compares inclusion for survey respondents who identified as Hispanic or Latino, survey respondents who identified as non-Hispanic white, and total survey respondents.

| Survey question | Category | Hispanic/ Latino population | NH white population | Total sample |
|---|-----------------------------|-----------------------------------|------------------------|-----------------|
| Proportion of population experiencing discrimination: | based on race/ ethnicity | 0.506 | 0.023 | 0.161 |
| | based on gender | 0.113 | 0.113 | 0.116 |
| | based on gender identity | 0.021 | 0.051 | 0.037 |
| | based on sexual orientation | 0.039 | 0.047 | 0.050 |
| | based on disability status | 0.072 | 0.098 | 0.100 |
| | based on age | 0.262 | 0.178 | 0.204 |
| | based on education level | 0.290 | 0.073 | 0.125 |
| | based on income | 0.199 | 0.185 | 0.256 |
| | based on language | 0.463 | 0.019 | 0.086 |
| | None of the above | 0.275 | 0.588 | 0.480 |

Food Insecurity - Descriptive Statistics

Food insecurity was determined from the USDA question, *In the last 12 months, did you or other people in your household ever cut the size of your meals or skip meals because there wasn't enough money for food?*

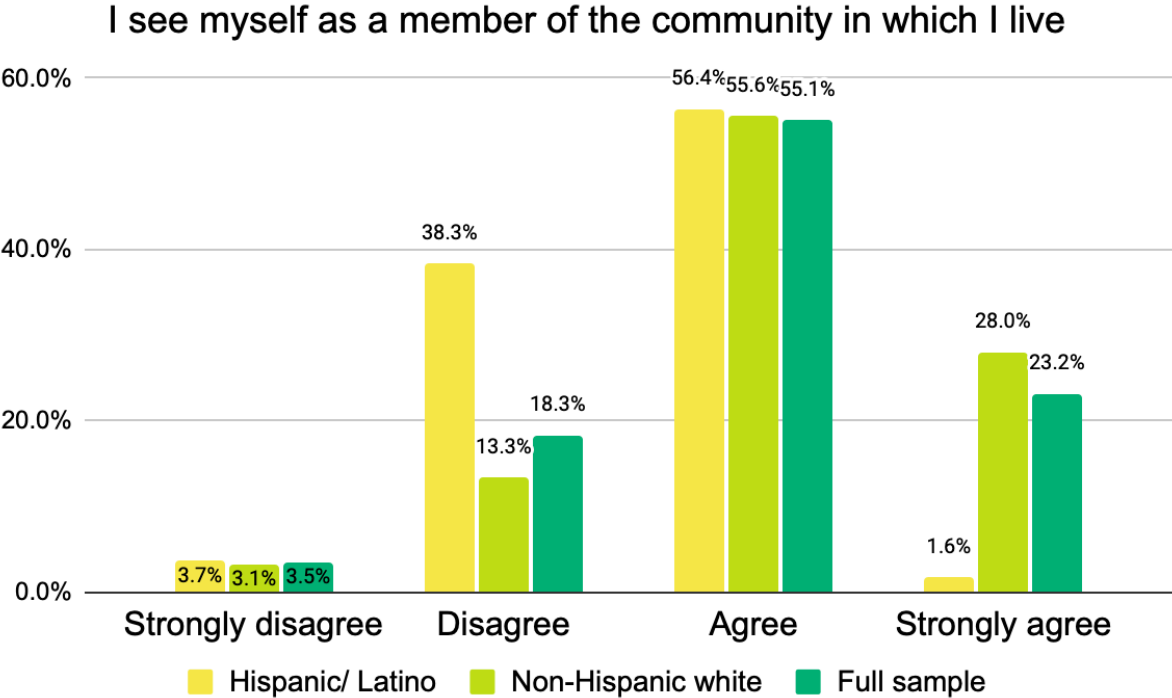


Community Questions

The 2023 Wello Health and Well-Being Survey included four community questions. Respondents were asked to think about how they feel regarding life in the community in which they live.

Membership - Descriptive Statistics

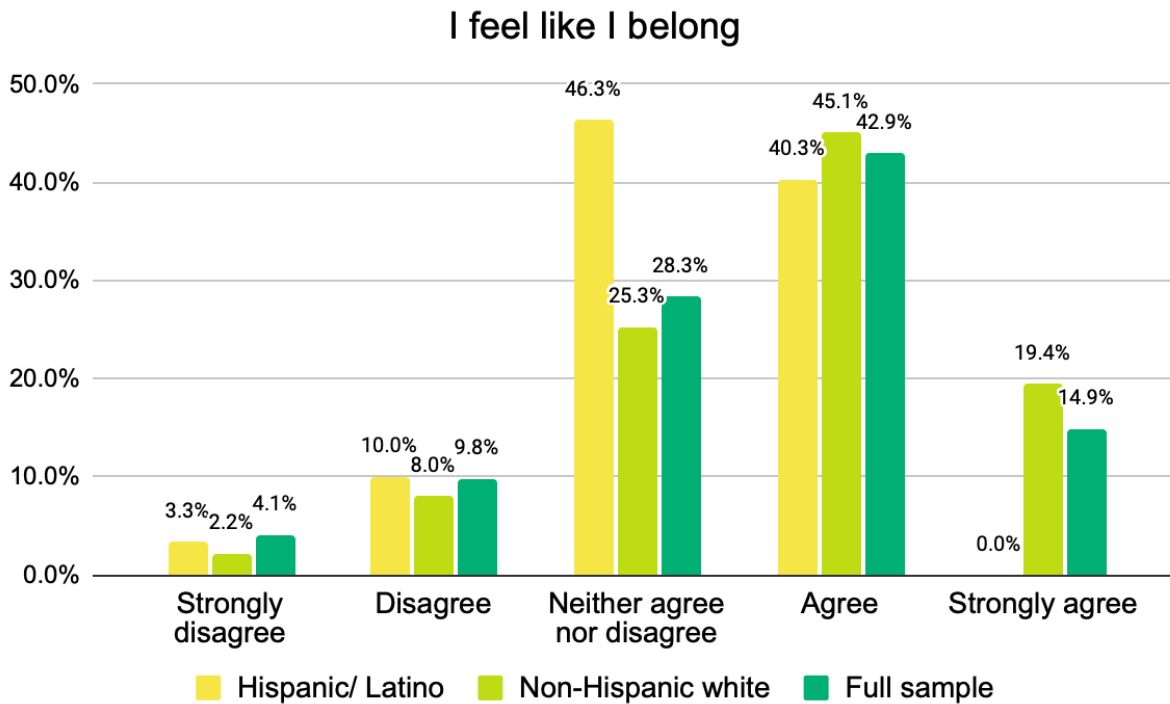
Feeling of membership was determined by asking survey participants to respond to the statement, *I see myself as a member of the community in which I live*. Response choices were *Strongly agree*, *Agree*, *Disagree*, and *Strongly disagree*.



Wello. (2024). Community Health and Well-Being Survey: Brown County, Wisconsin, 2023 Survey Results.

Belonging - Descriptive Statistics

Belonging was determined by asking survey participants to respond to the statement, *I feel like I belong*. Response choices were *Strongly agree*, *Agree*, *Neither agree nor disagree*, *Disagree*, and *Strongly disagree*.

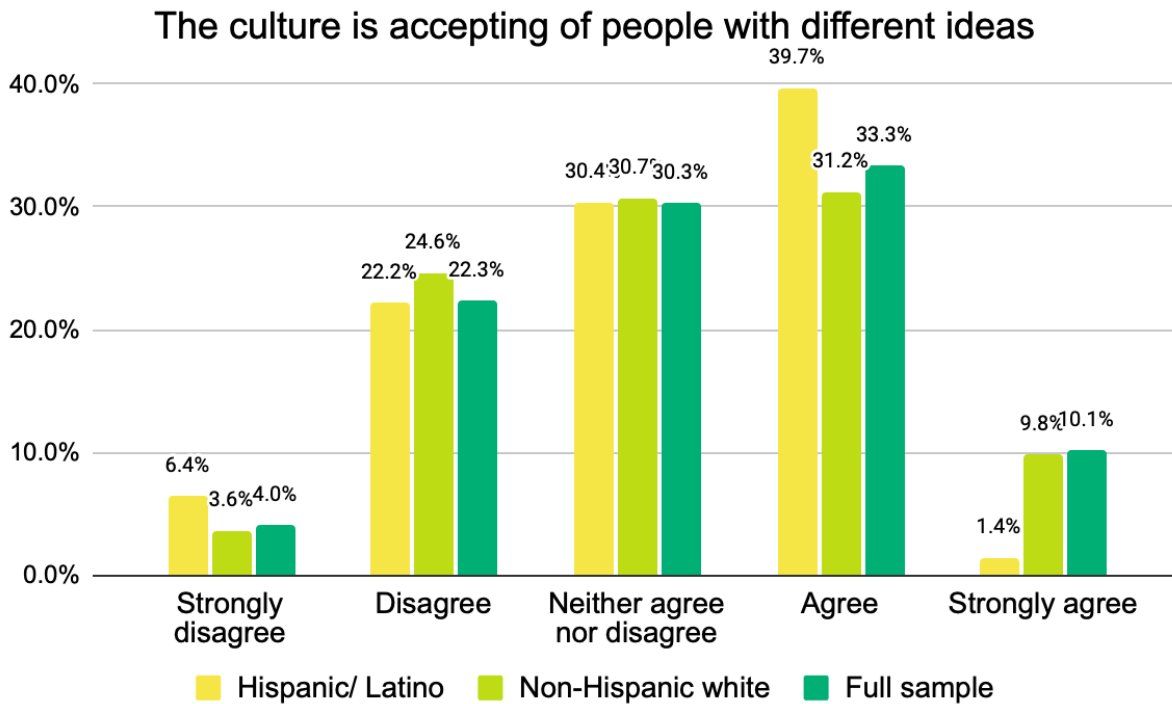


Belonging - Logistic Regression

Responses were dichotomized into categories: agreement (*Strongly agree/ Agree*) or disagreement (*Neither agree nor disagree/ Disagree/ Strongly Disagree*). Belonging was predicted by age, race, and LGBTQ+ status. Odds of agreeing with the belonging statement were more than twice as high for non-Hispanic whites compared to Hispanics/ Latinos ($p < 0.01$).

Cultural Acceptance - Descriptive Statistics

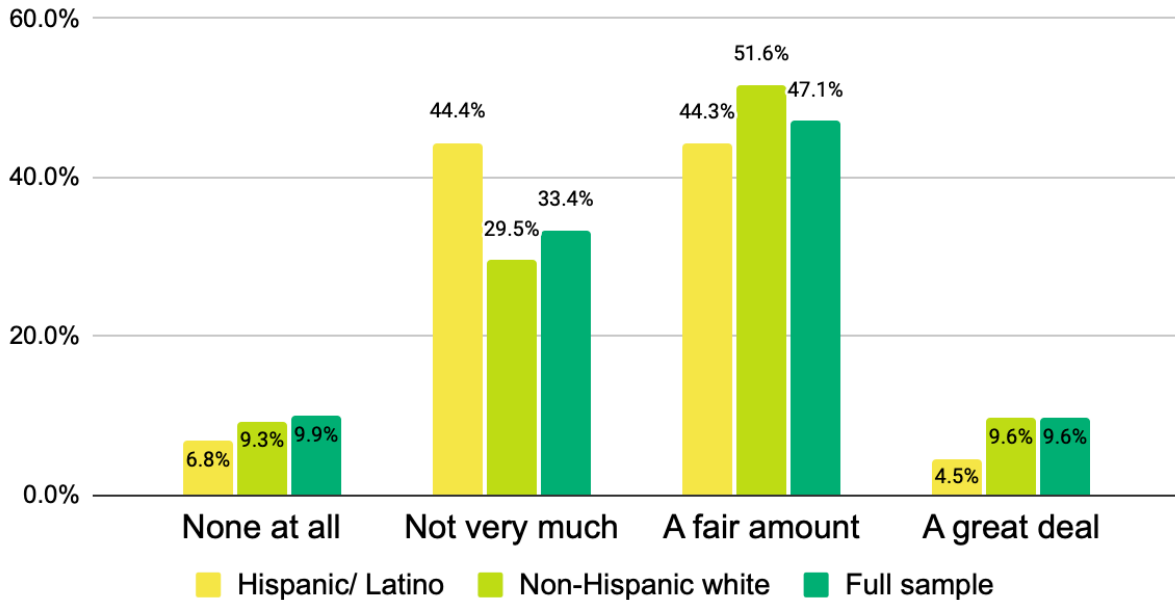
Feeling of cultural acceptance was measured by asking survey participants to respond to the statement, *The culture is accepting of people with different ideas*. Response choices were *Strongly agree*, *Agree*, *Neither agree nor disagree*, *Disagree*, and *Strongly disagree*.



Governmental Trust - Descriptive Statistics

Governmental trust was determined by the question *How much trust and confidence do you have in the local governments when it comes to handling local problems?* Response choices were *A great deal*, *A fair amount*, *Not very much*, and *None at all*.

How much trust and confidence do you have in the local governments when it comes to handling local problems?



Governmental Trust - Logistic Regression

Responses were dichotomized into two categories: governmental trust (*A great deal/ A fair amount*) or governmental distrust (*Not very much/ None at all*). Governmental trust was significantly predicted by age, race, marital status, and income. Odds of reporting governmental trust were 2.5 times higher for non-Hispanic whites than for Hispanic/ Latino respondents ($p < 0.001$).