



National 4-H Index Study

State-Level Data Summarization

SPRING/SUMMER 2025



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About the

National 4-H Index Study

The 2025 National 4-H Index Study collected data from 7,369 youth participating in 4-H programs from 38 states. The study had five primary objectives:

- To assess youth experience in high-quality 4-H programs that promote youth sparks and belonging and that foster developmental relationships between youth and adults. Research shows that these program quality indicators are strong predictors of youth program outcomes.
- 2. To assess youth readiness for Beyond Ready work and life outcomes and establish measures for evaluation in local Beyond Ready programs. These measures included:
 - Beyond Ready overall outcomes: Healthy, Productive, and Engaged
 - 4-H program outcomes: Work readiness, College and Career Readiness, Leadership, and STEM
- 3. To establish a baseline measure of 4-H's impact on supporting post-high school pathways and plans for youth, a central aspect of the Beyond Ready initiative.
- 4. To assess the overall influence that participating in 4-H had on the youth's development in key areas (e.g. emotional health, physical health, college and career readiness).
- 5. To measure the personal attributes of hopeful purpose and personal responsibility and the influence that 4-H had on their development.

Note that throughout the study youth were prompted to answer each question with the lead-in attribution: "Because of 4-H, I..." This attribution is important because it focuses the youths' response on the impact of their 4-H experience, and not the impact of other influences in their development. Using this attribution increases confidence that the impact youth report is indeed an outcome of their 4-H participation.

The items measuring 4-H influence were presented with the prompt: "Overall, how much did 4-H help you to..." These items were rated on a 1 (Not at all) to 5 (Extremely influential) scale.

Using the Results Presented in this Report

This report contains basic descriptive state results alongside national results. Results for each element measured are presented in two forms:

Frequencies

These results are the percentage of youth that rated each item on a five-point Likert scale, ranging from 1 (Not true at all) to 5 (Very true). The ratings can be interpreted in this way:

- 1 = No true at all (did not experience/did not gain this skill)
- 2 = Somewhat true
- 3 = Moderately true
- 4 = True
- 5 = Very true

These results can be used to describe the percentage of youth in your state that responded a particular way. For example, you could report the percentage of youth who rated the item a 5 (very true), or even combine the percentage of youth to report those who rated the item a 4 or 5, indicating the percentage of youth who provide the highest ratings about their experience in 4-H and/or the skill they developed in 4-H.

Means

Mean ratings are the average rating on the 1 to 5 scale. State means can be compared to national means for an understanding of how youth in your state report their overall experience and skill development in 4-H. This comparison may reveal specific areas where program improvement efforts or greater intentionally might be focused.

2025 National 4-H Index Study

Please refer to the **2025 National 4–H Index Study** (full National Report) for detailed and complete information regarding the items used in the 2025 Study. The National Report also provides additional ideas for sharing the results presented in your state report.



View the 2025 National 4-H Index Study at:

4-h.org/resources/professionals/common-measures/national-4-h-index-study

Generalizability of Findings

Data from the 2025 National 4-H Index Study were not collected randomly from all youth participating in 4-H across the country. This brings into question, then, the generalizability of the results. While random collection ensured greater accuracy in generalizing the findings, there are several aspects of the 2025 Study that increase the confidence of generalizability to youth who are enrolled as individual members in 4-H:

- The method of youth recruitment used by most states was through e-mails to the parents of youth ages 13 and over who are enrolled in 4-H as individuals. While there may be some small variation on this, such as data collection at 4-H events for non-enrolled youth, we have confidence that these findings are generalizable to 4-H youth who are individually enrolled. Caution should be taken when generalizing these results to youth who participate in 4-H in other ways (e.g. group enrolled youth, or youth participating only in 4-H special events).
- The total population from which responses were drawn was estimated to be 365,000 youth (based on self-reported enrollment numbers from participating states). Random sampling of a population of this size requires a sample of 384 responses to reach a 5% +/- margin of error. Despite the lack of randomness in the sampling, confidence for generalizability is increased by the robust size of the final data set (7,369 youth) and the demographic match to the 4-H population as a whole (e.g., 4-H project participation).
- Additionally, data were collected from 38 states in all four regions of the country, which provides increased confidence in generalizability due to the expected variation across states and regions.
- Finally, youth responses included in the final data set were screened for eligibility, completeness, and response quality to ensure the final data set contained cases that met these quality standards. Research-backed data cleaning procedures ensure that the included cases represent careful and considered responses from youth, which enhances confidence that the findings are a true representation of 4-H youth across the country.

National 4-H Index Study

Oversight & Collaboration

The 2025 National 4-H Index Study was directed by the 4-H Common Measures team led by Dr. Jill Lingard (University of Nebraska-Lincoln). Makayla Burg (University of Nebraska-Lincoln), coordinates state participation, assists participating states in navigating IRB requirements, and oversees data collection. Dr. Mary Arnold (Oregon State University) provides measurement consultation, conducts data management, screening and analysis, and prepares the national and state reports. Funding for the National 4-H Index Study is provided through the generous support of National 4-H Council.

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4-H is the youth development organization of our nation's Cooperative Extension System and USDA.









Part One: Sample Summary and 4-H Project Participation

Youth Participants = 52 (0.7% of total sample)

| | National | | | | | ` | / ermont | | | |
|--------------|----------|-------|------|------|-----|----|-----------------|------|------|-----|
| | N | Mean | SD | Min. | Max | N | Mean | SD | Min. | Max |
| Sample | 7,369 | | | | | 52 | | | | |
| Age | | 15.46 | 1.70 | 13 | 19 | | 15.90 | 2.02 | 13 | 19 |
| Years in 4-H | | 6.69 | 2.95 | 1 | 11 | | 7.04 | 3.18 | 1 | 11 |

| | Nati | onal | Vern | nont |
|-----------------------------------|-----------|---------|-----------------|---------|
| | Frequency | Percent | Frequency | Percent |
| Animal and Agricultural Science | 4,843 | 66% | 35 | 67% |
| Civic Engagement | 1,063 | 14% | 6 | 12% |
| Communication | 1,498 | 20% | 0 | 0% |
| Creative Arts | 2,968 | 40% | 14 | 27% |
| Entrepreneurship | 588 | 8% | 2 | 4% |
| Environmental and Outdoor Science | 1,849 | 25% | 13 | 25% |
| Healthy Living and Foods | 2,589 | 35% | 11 | 21% |
| Mind/Body Wellness | 698 | 9% | 2 | 4% |
| STEM | 1,581 | 21% | 6 | 12% |
| | | | State Total: 89 | |
| Average Number of 4-H Projects: | 2. | 4 | 1. | 7 |

| | Natio | onal | Vermont | | |
|------------|-------------------|------|-----------|---------|--|
| | Frequency Percent | | Frequency | Percent | |
| Leadership | 4,711 | 64% | 39 | 75% | |
| Service | 5,743 | 78% | 30 | 58% | |

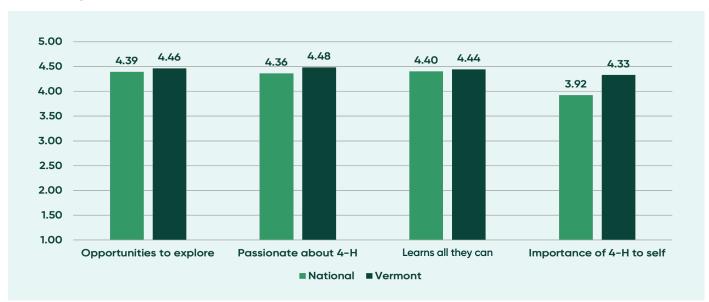
Part Two: Program Quality

Program quality is comprised of **Sparks**, **Belonging**, and **Developmental Relationships** with adults who **express care**, **challenge growth**, and **share power** with youth. Response frequencies and means for each of these elements are presented below.



Response Frequencies

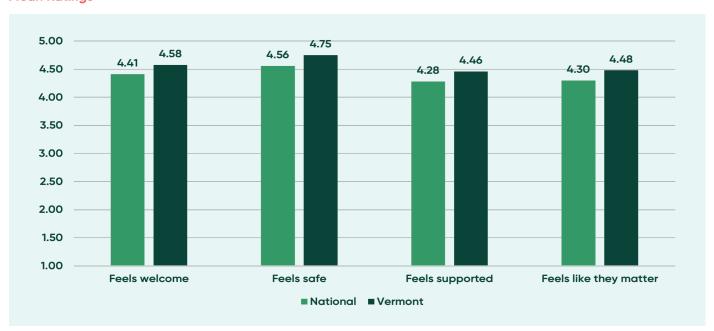
| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|-------------------------------------|----------|------------------------|-----|------|------|------------------|
| Has opportunities to explore | National | 1.8 | 3.8 | 12.1 | 28.7 | 53.6 |
| interests | Vermont | 0.0 | 5.8 | 3.8 | 28.8 | 61.5 |
| Is passionate about things they do | National | 1.4 | 3.2 | 11.5 | 27.8 | 56.0 |
| in 4-H | Vermont | 1.9 | 1.9 | 3.8 | 30.8 | 61.5 |
| Monto to leave all the construct of | National | 2.0 | 5.7 | 17.0 | 29.2 | 46.0 |
| Wants to learn all they can in 4-H | Vermont | 0.0 | 5.8 | 5.8 | 26.9 | 61.5 |
| 4-H is important part of self | National | 3.5 | 7.0 | 15.3 | 24.5 | 49.8 |
| | Vermont | 0.0 | 5.8 | 9.6 | 30.8 | 53.8 |



Belonging

Response Frequencies

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|------------------------|----------|------------------------|-----|------|------|------------------|
| Facility | National | 2.2 | 3.3 | 9.0 | 22.1 | 63.4 |
| Feels welcome | Vermont | 0.0 | 3.8 | 5.8 | 19.2 | 71.2 |
| | National | 1.2 | 2.0 | 7.2 | 18.5 | 71.1 |
| Feels safe | Vermont | 0.0 | 0.0 | 5.8 | 13.5 | 80.8 |
| Fools some ante d | National | 2.6 | 4.4 | 11.8 | 24.7 | 56.3 |
| Feels supported | Vermont | 0.0 | 3.8 | 11.5 | 19.2 | 65.4 |
| Feels like they matter | National | 2.8 | 4.5 | 10.8 | 22.9 | 58.9 |
| | Vermont | 1.9 | 1.9 | 7.7 | 23.1 | 65.4 |

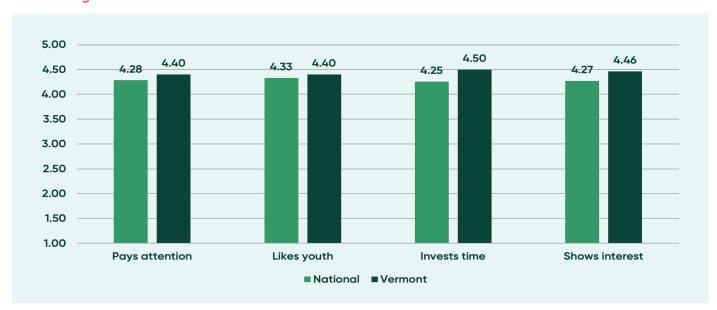


Developmental Relationships

Express Care

Response Frequencies

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|----------------------------|----------|------------------------|-----|------|------|------------------|
| | National | 2.3 | 4.0 | 11.8 | 28.1 | 53.8 |
| Pays attention to youth | Vermont | 1.9 | 5.8 | 7.7 | 19.2 | 65.4 |
| | National | 1.7 | 3.5 | 11.3 | 28.3 | 55.2 |
| Likes youth | Vermont | | 5.8 | 11.5 | 19.2 | 63.5 |
| Le colo Cara Servicile | National | 2.7 | 4.2 | 12.9 | 26.4 | 53.8 |
| Invests time in youth | Vermont | 1.9 | 1.9 | 9.6 | 17.3 | 69.2 |
| Shows an interest in youth | National | 2.4 | 4.5 | 12.1 | 26.9 | 54.2 |
| | Vermont | 1.9 | 1.9 | 9.6 | 21.2 | 65.4 |

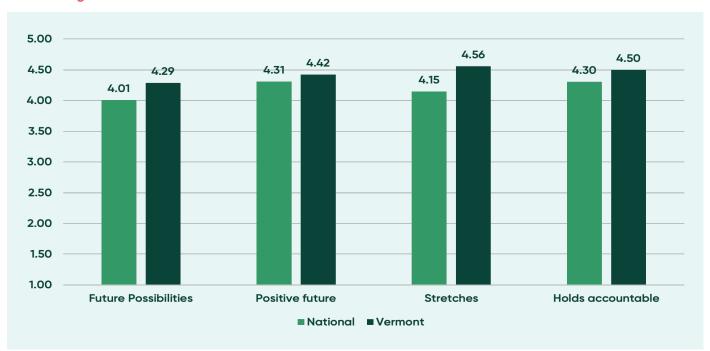


Developmental Relationships

Challenge Growth

Response Frequencies

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|--------------------------------------|----------|------------------------|-----|------|------|------------------|
| | National | 4.5 | 6.4 | 16.8 | 28.2 | 44.1 |
| Helps youth see future possibilities | Vermont | 0.0 | 9.6 | 9.6 | 23.1 | 57.7 |
| Expects youth to do have a positive | National | 2.8 | 3.5 | 11.1 | 26.8 | 55.8 |
| future | Vermont | 0.0 | 7.7 | 9.6 | 15.4 | 67.3 |
| Stretches and pushes youth in new | National | 3.9 | 5.1 | 13.8 | 27.1 | 50.0 |
| ways | Vermont | 0.0 | 3.8 | 3.8 | 25.0 | 67.3 |
| Holds youth accountable | National | 2.3 | 3.5 | 11.8 | 27.6 | 54.8 |
| | Vermont | 0.0 | 1.9 | 9.6 | 25.0 | 63.5 |

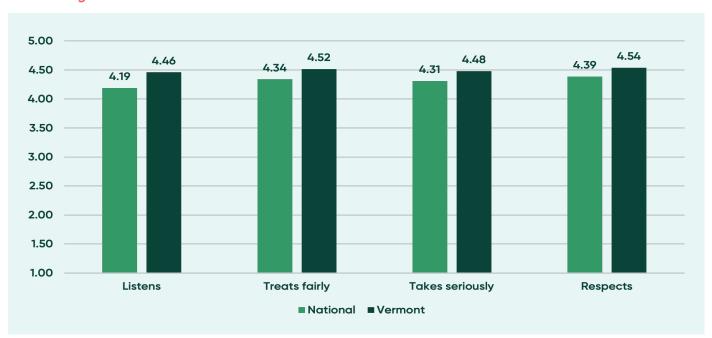


Developmental Relationships

Share Power

Response Frequencies

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|--------------------------|----------|------------------------|-----|------|------|------------------|
| | National | 3.3 | 4.8 | 13.1 | 28.4 | 50.4 |
| Listens to youth's ideas | Vermont | 0.0 | 3.8 | 11.5 | 19.2 | 65.4 |
| | National | 2.5 | 3.3 | 10.5 | 26.4 | 57.2 |
| Treats youth fairly | Vermont | 0.0 | 0.0 | 11.5 | 25.0 | 63.5 |
| The state of | National | 2.4 | 3.8 | 11.1 | 27.3 | 55.4 |
| Takes youth seriously | Vermont | 0.0 | 1.9 | 9.6 | 26.9 | 61.5 |
| Respects youth | National | 2.3 | 3.1 | 9.7 | 25.0 | 59.8 |
| | Vermont | 0.0 | 1.9 | 9.6 | 21.2 | 67.3 |



Part Three: Program Outcomes

Outcomes for the Beyond Ready initiative fall into three categories:

- 1. Overall Beyond Ready outcomes: A generation of *Healthy*, *Productive*, and *Engaged* youth.
- 2. Programmatic outcomes: Work Readiness, College and Career Readiness, Leadership, & STEM
- 3. Pathways outcomes: The ways in which 4-H is intentionally supporting youth to develop and navigate a *post-high school plan*.

Results for each set of outcomes are presented below:

Beyond Ready Overall Outcomes:



| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|---|----------|------------------------|------|------|------|------------------|
| Knows how to take care of physical health | National | 8.2 | 9.2 | 25.9 | 27.0 | 29.7 |
| | Vermont | 5.8 | 11.5 | 26.9 | 23.1 | 32.7 |
| Knows how to take care of | National | 10.4 | 12.4 | 28.3 | 24.4 | 24.4 |
| emotional health | Vermont | 3.8 | 9.6 | 32.7 | 23.1 | 30.8 |
| | National | 10.0 | 11.5 | 27.8 | 25.0 | 25.7 |
| Prioritizes taking care of self | Vermont | 1.9 | 9.6 | 26.9 | 23.1 | 38.5 |
| Has strategies to manage | National | 12.5 | 13.8 | 27.5 | 23.0 | 23.1 |
| emotional/mental health | Vermont | 11.5 | 3.8 | 30.8 | 28.8 | 25.0 |
| War a bar to make beautiful about | National | 8.1 | 9.2 | 24.4 | 29.0 | 29.3 |
| Knows how to make healthy choices | Vermont | 3.8 | 7.7 | 25.0 | 30.8 | 32.7 |
| Is prepared to take good care of | National | 9.2 | 9.7 | 24.8 | 27.0 | 29.3 |
| health throughout life | Vermont | 5.8 | 3.8 | 28.8 | 30.8 | 30.8 |

| | | None (1) | (2) | (3) | (4) | Extreme (5) |
|---------------------------------|----------|-------------|------|------|------|----------------|
| 4-H Influence on taking care of | National | 11.9 | 17.4 | 30.6 | 23.5 | 16.6 |
| physical health | Vermont | 9.6 | 7.7 | 40.4 | 26.9 | 15.4 |
| 4-H Influence on taking care of | National | 14.2 | 18.1 | 28.5 | 22.2 | 17.0 |
| emotional health | Vermont | 9.6 | 7.7 | 34.6 | 30.8 | 17.3 |

| | | National | Vermont |
|---------|---|----------|---------|
| | Healthy (Average Score) | 3.42 | 3.71 |
| | Knows how to take care of physical health | 3.61 | 3.65 |
| | Knows how to take care of emotional health | 3.40 | 3.67 |
| | Prioritizes taking care of self | 3.45 | 3.87 |
| Healthy | Has strategies to manage emotional/mental health | 3.30 | 3.52 |
| | Knows how to make healthy choices | 3.62 | 3.81 |
| | Is prepared to take good care of health throughout life | 3.58 | 3.77 |
| | 4-H Influence on taking care of physical health | 3.16 | 3.31 |
| | 4-H Influence on taking care of emotional | 3.10 | 3.38 |

Beyond Ready Overall Outcomes:



| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|---------------------|----------|------------------------|------|------|------|------------------|
| | National | 3.1 | 6.5 | 20.6 | 30.8 | 39.0 |
| Positive activities | Vermont | 3.8 | 3.8 | 21.2 | 25.0 | 46.2 |
| 5 | National | 6.0 | 9.5 | 25.1 | 29.4 | 30.1 |
| Doesn't waste time | Vermont | 3.8 | 9.6 | 17.3 | 34.6 | 34.6 |
| Managementing | National | 6.1 | 9.5 | 25.5 | 29.5 | 29.3 |
| Manages time | Vermont | 1.9 | 11.5 | 19.2 | 32.7 | 34.6 |
| Balances time | National | 5.0 | 8.2 | 22.9 | 30.7 | 33.3 |
| | Vermont | 0.0 | 11.5 | 19.2 | 28.8 | 40.4 |

| | | None (1) | (2) | (3) | (4) | Extreme (5) |
|------------------------------------|----------|-------------|------|------|------|----------------|
| 4-H Influence on productive use of | National | 5.0 | 12.0 | 27.4 | 30.0 | 25.6 |
| time | Vermont | 0.0 | 13.5 | 25.0 | 34.6 | 26.9 |

| | | National | Vermont |
|------------|---|----------|---------|
| | Productive (Average Score) | 3.77 | 3.94 |
| | Positive activities | 3.96 | 4.06 |
| Productive | Doesn't waste time | 3.68 | 3.87 |
| Productive | Manages time | 3.67 | 3.87 |
| | Balances time | 3.79 | 3.98 |
| | 4-H Influence on productive use of time | 3.59 | 3.75 |

Beyond Ready Overall Outcomes:



| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|-------------------------------|----------|------------------------|------|------|------|------------------|
| Will of the co | National | 4.5 | 7.3 | 17.4 | 25.5 | 45.4 |
| Volunteers | Vermont | 3.8 | 5.8 | 21.2 | 25 | 44.2 |
| | National | 4.9 | 8.7 | 21.5 | 28.2 | 36.7 |
| Seeks ways to help | Vermont | | 11.5 | 25.0 | 28.8 | 34.6 |
| | National | 7.7 | 10.1 | 19.7 | 24.4 | 38.0 |
| Seeks leadership roles | Vermont | 3.8 | 7.7 | 19.2 | 36.5 | 32.7 |
| Contributes to benefit others | National | 4.2 | 7.9 | 21.4 | 29.4 | 37.1 |
| | Vermont | 1.9 | 1.9 | 26.9 | 36.5 | 32.7 |

| | | None | | | | Extreme |
|----------------------------|----------|------|------|------|------|---------|
| | | (1) | (2) | (3) | (4) | (5) |
| 4-H Influence on community | National | 4.2 | 9.3 | 22.5 | 29.1 | 34.9 |
| engagement | Vermont | 1.9 | 11.5 | 23.1 | 34.6 | 28.8 |

| | | National | Vermont |
|---------|---------------------------------------|----------|---------|
| | Engaged (Average Score) | 3.86 | 3.92 |
| | Volunteers | 4.00 | 4.00 |
| Engagod | Seeks ways to help | 3.83 | 3.87 |
| Engaged | Seeks leadership roles | 3.75 | 3.87 |
| | Contributes to benefit others | 3.87 | 3.96 |
| | 4-H Influence on community engagement | 3.81 | 3.77 |

Program Outcomes: Work Readiness

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|--|----------|------------------------|------|------|------|------------------|
| la comunica d | National | 7.5 | 10.8 | 27.4 | 29.2 | 25.1 |
| Is organized | Vermont | 7.7 | 7.7 | 23.1 | 28.8 | 32.7 |
| O | National | 4.2 | 7.0 | 19.5 | 32.2 | 37.1 |
| Can set goals | Vermont | 5.8 | 3.8 | 15.4 | 36.5 | 38.5 |
| | National | 3.8 | 6.5 | 19.4 | 32.2 | 38.2 |
| Can work toward goals | Vermont | 3.8 | 5.8 | 17.3 | 36.5 | 36.5 |
| A | National | 3.9 | 4.6 | 15.8 | 29.7 | 46.0 |
| Acts professionally | Vermont | 1.9 | 5.8 | 11.5 | 36.5 | 44.2 |
| Knows employers expect doing job | National | 5.3 | 5.5 | 16.5 | 27.8 | 44.9 |
| well | Vermont | 3.8 | 3.8 | 21.2 | 32.7 | 38.5 |
| Works hard on difficult things (persistence) | National | 3.8 | 5.3 | 17.4 | 29.0 | 44.4 |
| | Vermont | 1.9 | 7.7 | 21.2 | 30.8 | 38.5 |

| | | National | Vermont |
|-------------------|--|----------|---------|
| | Work Readiness (Average Score) | 3.92 | 3.96 |
| | Is organized | 3.54 | 3.71 |
| | Can set goals | 3.91 | 3.98 |
| Work Readiness | Can work toward goals | 3.94 | 3.96 |
| | Acts professionally | 4.09 | 4.15 |
| | Knows employers expect doing job well | 4.02 | 3.98 |
| | Works hard on difficult things (persistence) | 4.05 | 3.96 |

Program Outcomes:

College & Career Readiness

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|----------------------------------|----------|------------------------|------|------|------|------------------|
| Moules beautiful as a dispersion | National | 11.6 | 9.9 | 23.3 | 25.2 | 30.0 |
| Works hard for good grades | Vermont | 15.4 | 7.7 | 15.4 | 38.5 | 23.1 |
| E alond a lloca | National | 18.4 | 11.3 | 20.6 | 19.2 | 30.5 |
| Explored colleges | Vermont | 21.2 | 11.5 | 17.3 | 15.4 | 34.6 |
| Fundament and a supervisida and | National | 8.3 | 9.0 | 18.8 | 24.9 | 39.0 |
| Explored career ideas | Vermont | 11.5 | 1.9 | 17.3 | 28.8 | 40.4 |
| Don't bink only a listana | National | 11.2 | 10.6 | 20.7 | 23.2 | 34.4 |
| Post-high school ideas | Vermont | 11.5 | 7.7 | 23.1 | 21.2 | 36.5 |
| | National | 11.5 | 11.1 | 22.3 | 23.3 | 31.8 |
| Education needed | Vermont | 15.4 | 1.9 | 25 | 25 | 32.7 |

| | | None | | | | Extreme |
|---|----------|------|------|------|------|---------|
| | | (1) | (2) | (3) | (4) | (5) |
| 4-H Influence on college and career readiness | National | 9.6 | 14.3 | 25.0 | 24.4 | 26.8 |
| | Vermont | 5.8 | 19.2 | 21.2 | 23.1 | 30.8 |

| Mean Ratings | | National | Vermont |
|------------------------------------|---|----------|---------|
| | College and Career Readiness (Average Score) | 3.55 | 3.57 |
| | Works hard for good grades | 3.52 | 3.46 |
| 0.11 | Explored colleges | 3.32 | 3.31 |
| College and Career Readiness | Explored career ideas | 3.77 | 3.85 |
| Reddiness | Post-high school ideas | 3.59 | 3.63 |
| | Education needed | 3.53 | 3.58 |
| | 4-H Influence on college and career readiness | 3.45 | 3.54 |

Program Outcomes:



| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|--|----------|------------------------|------|------|------|------------------|
| Thinks through choices before | National | 8.4 | 11.6 | 28.1 | 27.5 | 24.4 |
| decision making | Vermont | | 17.3 | 21.2 | 40.4 | 21.2 |
| | National | 7.2 | 9.9 | 25.6 | 28.3 | 28.9 |
| Thinks how choices affect others | Vermont | 1.9 | 7.7 | 26.9 | 40.4 | 23.1 |
| Le al confliction and a second | National | 5.1 | 7.5 | 20.9 | 28.5 | 38.1 |
| Involves all group members | Vermont | 3.8 | 5.8 | 23.1 | 36.5 | 30.8 |
| Gets along with others who are different than self | National | 5.1 | 6.9 | 19.4 | 28.2 | 40.3 |
| | Vermont | 3.8 | 5.8 | 21.2 | 38.5 | 30.8 |

| Mean Ratings | | National | Vermont |
|--------------|---|----------|---------|
| | Leadership (Average Score) | 3.72 | 3.78 |
| | Thinks through choices before decision making | 3.48 | 3.65 |
| Leadership | Thinks how choices affect others | 3.62 | 3.75 |
| | Involves all group members | 3.87 | 3.85 |
| | Gets along with others who are different | 3.92 | 3.87 |

Program Outcomes:



Response Frequencies

| | | Not True at All (1) | (2) | (3) | (4) | Very True (5) |
|-----------------------------------|----------|------------------------|------|------|------|------------------|
| | National | 15.4 | 13.9 | 25.3 | 20.3 | 25.1 |
| Developed STEM skills | Vermont | 15.4 | 13.5 | 23.1 | 26.9 | 21.2 |
| Laborate dia CTEM | National | 24.7 | 17.1 | 23.1 | 15.4 | 19.7 |
| Interested in STEM career | Vermont | 21.2 | 19.2 | 23.1 | 23.1 | 13.5 |
| Interested in studying STEM after | National | 26.8 | 17.3 | 21.9 | 14.6 | 19.4 |
| high school | Vermont | 25.0 | 19.2 | 19.2 | 19.2 | 17.3 |

| | | Not at All (1) | (2) | (3) | (4) | Extremely So (5) |
|--------------------------|----------|-------------------|------|------|------|---------------------|
| Influence of 4-H on STEM | National | 23.2 | 20.1 | 24.8 | 14.5 | 17.4 |
| development | Vermont | 21.2 | 23.1 | 25 | 11.5 | 19.2 |

Mean Ratings All Youth Youth in 4-H STEM

| | | National | Vermont | National | Vermont |
|------|---|----------|---------|----------|---------|
| | STEM (Average Score) | 2.98 | 2.99 | 3.66 | 4.50 |
| STEM | Developed STEM skills | 3.26 | 3.25 | 4.00 | 4.50 |
| STEM | Interested in STEM career | 2.88 | 2.88 | 3.53 | 4.17 |
| | Interested in studying STEM after high school | 2.83 | 2.85 | 3.46 | 4.83 |

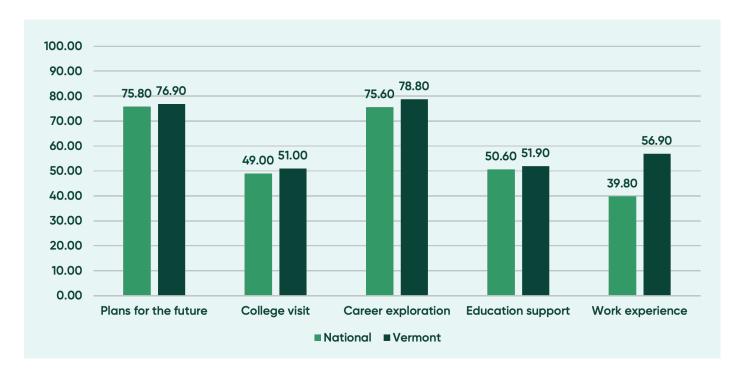
Beyond Ready Program Outcomes:

Post-Secondary Pathway Support

Helping youth develop and navigate a plan for what they do after high school is a unique feature of Beyond Ready programming, and one of the most important ways 4-H can help youth be ready for work and life. Youth were asked to indicate if they had the following opportunities while in 4-H:

- Had someone in 4-H talk to them about their future
- Had the opportunity to visit a college campus
- Had the opportunity to explore things they might want to do for a career
- Had someone help them figure out the education they need for the career they want
- Had a chance for work experience such as an internship, summer job, or job shadowing

The following chart shows the percentage of youth who indicated they had that experience:



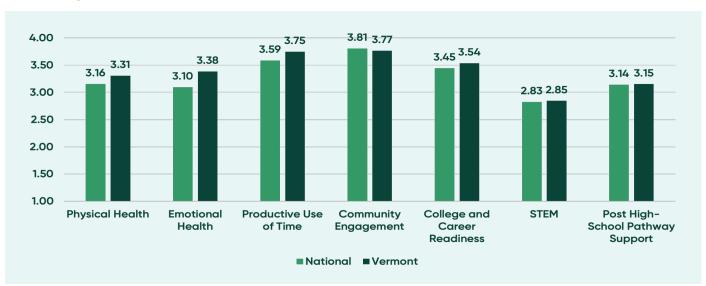
| | | Not at All (1) | (2) | (3) | (4) | Extremely So (5) |
|------------------------------------|----------|-------------------|------|------|------|---------------------|
| Influence of 4-H on Post-Secondary | National | 13.9 | 32.1 | 26.6 | 22.1 | 19.1 |
| Pathway Support | Vermont | 17.3 | 19.2 | 17.3 | 23.1 | 23.1 |

Part Four: 4-H Influence on Outcomes

Youth were asked to rate the level of influence 4-H had on the *development of Beyond Ready and other* 4-H *program outcomes* on a 1 (none) to 5 (extreme) scale. Frequencies and mean ratings for these items are presented below.

Response Frequencies

| | | None (1) | (2) | (3) | (4) | Extreme (5) |
|----------------------------------|----------|-------------|------|------|------|----------------|
| Discorded the solids | National | 11.9 | 17.4 | 30.6 | 23.5 | 16.6 |
| Physical Health | Vermont | 9.6 | 7.7 | 40.4 | 26.9 | 15.4 |
| For ation all the olds | National | 14.2 | 18.1 | 28.5 | 22.2 | 17.0 |
| Emotional Health | Vermont | 9.6 | 7.7 | 34.6 | 30.8 | 17.3 |
| Productive Use of Time | National | 5.0 | 12.0 | 27.4 | 30.0 | 25.6 |
| Productive use of Time | Vermont | | 13.5 | 25.0 | 34.6 | 26.9 |
| Community Engagement | National | 4.2 | 9.3 | 22.5 | 29.1 | 34.9 |
| Community Engagement | Vermont | 1.9 | 11.5 | 23.1 | 34.6 | 28.8 |
| Callaga and Caraar Dandinasa | National | 9.6 | 14.3 | 25.0 | 24.4 | 26.8 |
| College and Career Readiness | Vermont | 5.8 | 19.2 | 21.2 | 23.1 | 30.8 |
| CTEM | National | 23.2 | 20.1 | 24.8 | 14.5 | 17.4 |
| STEM | Vermont | 5.8 | 19.2 | 21.2 | 23.1 | 30.8 |
| Post High-School Pathway Support | National | 13.9 | 18.2 | 26.6 | 22.1 | 19.1 |
| | Vermont | 17.3 | 19.2 | 17.3 | 23.1 | 23.1 |



Part Five: Personal Attributes

The personal attributes of *Hopeful Purpose* and *Personal Responsibility* were included in the 2025 National 4-H Index study. These attributes were selected to further understand youth readiness for work and life.

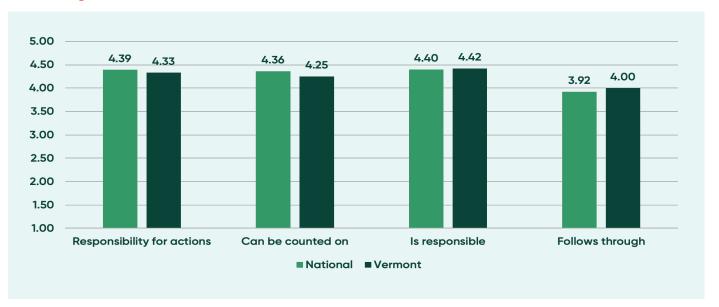
Response Frequencies

| Hopeful Purpose | | None (1) | (2) | (3) | (4) | Extreme (5) |
|-------------------------|----------|-------------|-----|------|------|----------------|
| Fuelta d als aut future | National | 0.9 | 2.3 | 12.3 | 26.0 | 58.6 |
| Excited about future | Vermont | 1.9 | 1.9 | 15.4 | 32.7 | 48.1 |
| T | National | 1.2 | 2.8 | 12.7 | 28.6 | 54.8 |
| Trusts positive future | Vermont | 1.9 | 1.9 | 17.3 | 38.5 | 40.4 |
| Marko a difference | National | 1.5 | 4.2 | 17.9 | 27.7 | 48.8 |
| Make a difference | Vermont | 5.8 | 5.8 | 13.5 | 38.5 | 36.5 |
| L P | National | 1.0 | 3.7 | 15.2 | 28.1 | 52.0 |
| Is working on purpose | Vermont | 1.9 | 5.8 | 15.4 | 28.8 | 48.1 |

| Personal Responsibility | | None (1) | (2) | (3) | (4) | Extreme (5) |
|-----------------------------|----------|-------------|-----|------|------|----------------|
| Deep anaihilitu fay gatiana | National | 0.3 | 1.7 | 11.2 | 32.7 | 54.2 |
| Responsibility for actions | Vermont | 1.9 | 5.8 | 7.7 | 26.9 | 57.7 |
| Complex countries of con- | National | 0.3 | 2.1 | 12.3 | 31.9 | 53.4 |
| Can be counted on | Vermont | 1.9 | 5.8 | 3.8 | 42.3 | 46.2 |
| 1 | National | 0.4 | 1.6 | 11.0 | 31.7 | 55.3 |
| Is responsible | Vermont | 0.0 | 3.8 | 5.8 | 34.6 | 55.8 |
| Falls and a sale | National | 1.5 | 6.7 | 23.3 | 35.6 | 33.0 |
| Follows through | Vermont | 3.8 | 3.8 | 9.6 | 53.8 | 28.8 |

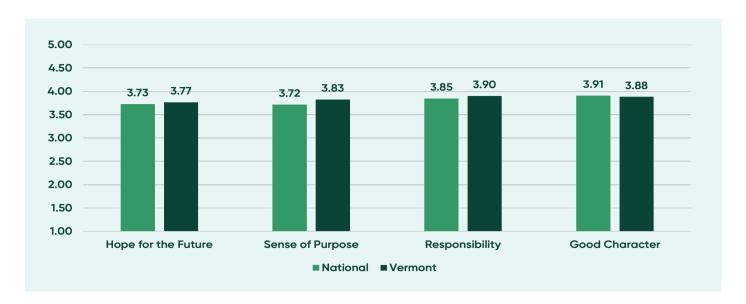


Mean Ratings



4-H Influence on Personal Attributes

| | | None (1) | (2) | (3) | (4) | Extreme (5) |
|----------------------------------|----------|-------------|------|------|------|----------------|
| Hana fautha Futura | National | 5.4 | 10.7 | 22.7 | 28.1 | 33.1 |
| Hope for the Future | Vermont | 0.0 | 13.5 | 28.8 | 25 | 32.7 |
| Course of Division | National | 6.0 | 11.0 | 22.2 | 26.8 | 34.0 |
| Sense of Purpose | Vermont | 1.9 | 13.5 | 21.2 | 26.9 | 36.5 |
| Deep analikilitu | National | 3.4 | 8.8 | 21.2 | 32.1 | 34.5 |
| Responsibility | Vermont | 1.9 | 11.5 | 19.2 | 28.8 | 38.5 |
| Good Character National Vermont | National | 3.7 | 8.2 | 19.3 | 30.8 | 38.0 |
| | Vermont | 1.9 | 13.5 | 13.5 | 36.5 | 34.6 |



Part Six: Youth Demographics

| | Nati | onal | Verr | nont |
|----------------|-----------|---------|-----------|---------|
| Residence | Frequency | Percent | Frequency | Percent |
| Farm | 2397 | 32.5% | 18 | 35% |
| Rural/Non-Farm | 2829 | 38.4% | 21 | 40% |
| Town or City | 1403 | 19.0% | 12 | 23% |
| Suburb of City | 436 | 5.9% | 1 | 2% |
| City Over 50K | 290 | 3.9% | 0 | 0% |
| Unknown | 14 | 0.2% | 0 | 0% |
| | | Total: | 52 | 100% |

| | Nati | onal | Vermont | |
|--------------------|-----------|---------|-----------|---------|
| Years in 4–H | Frequency | Percent | Frequency | Percent |
| Less than one year | 305 | 4.1% | 4 | 7.7% |
| One | 368 | 5.0% | 4 | 7.7% |
| Two | 578 | 7.8% | 4 | 7.7% |
| Three | 687 | 9.3% | 5 | 9.6% |
| Four | 770 | 10.4% | 6 | 11.5% |
| Five | 761 | 10.3% | 6 | 11.5% |
| Six | 802 | 10.9% | 4 | 7.7% |
| Seven | 745 | 10.1% | 4 | 7.7% |
| Eight | 786 | 10.7% | 2 | 3.8% |
| Nine | 546 | 7.4% | 0 | 0.0% |
| 10 or more | 1,014 | 13.8% | 13 | 25.0% |
| Not in 4-H | 5 | 0.1% | 0 | 0.0% |
| Unknown | 2 | 0.0% | 0 | 0.0% |
| | · | Total: | 52 | 100% |

| | Nati | onal | Verr | nont |
|-------------------|-------------------|--------|-----------|---------|
| Age | Frequency Percent | | Frequency | Percent |
| Thirteen | 1,011 | 13.7% | 5 | 9.6% |
| Fourteen | 1,479 | 20.1% | 11 | 21.2% |
| Fifteen | 1,506 | 20.4% | 11 | 21.2% |
| Sixteen | 1,235 | 16.8% | 6 | 11.5% |
| Seventeen | 1,103 | 15.0% | 3 | 5.8% |
| Eighteen | 663 | 9.0% | 8 | 15.4% |
| Nineteen or older | 372 | 5.0% | 8 | 15.4% |
| | | Total: | 52 | 100% |

Youth Demographics Continued

| | Nati | onal | Vern | nont |
|--------------|-------------------|--------|-----------|---------|
| Grade | Frequency Percent | | Frequency | Percent |
| 6th or lower | 21 | 0.3 | 0 | 0.0% |
| 7th | 547 | 7.4 | 4 | 7.7% |
| 8th | 1,186 | 16.1 | 9 | 17.3% |
| 9th | 1,549 | 21.0 | 9 | 17.3% |
| 10th | 1,327 | 18.0 | 6 | 11.5% |
| 11th | 1,169 | 15.9 | 7 | 13.5% |
| 12th | 1,103 | 15.0 | 7 | 13.5% |
| Graduated | 467 | 6.3 | 10 | 19.2% |
| | | Total: | 52 | 100% |

| | National | | Vermont | |
|--|-----------|---------|-----------|---------|
| Race/Ethnicity | Frequency | Percent | Frequency | Percent |
| American Indian or Alaskan Native | 129 | 1.8 | 0 | 0.0% |
| Asian or Asian American | 92 | 1.2 | 0 | 0.0% |
| Black or African American | 233 | 3.2 | 6 | 11.5% |
| Hispanic or Latino | 219 | 3.0 | 1 | 1.9% |
| Native Hawaiian/Other Pacific Islander | 7 | 0.1 | 0 | 0.0% |
| White or Caucasian | 6,194 | 84.1 | 41 | 78.8% |
| More than one race/ethnicity | 259 | 3.5 | 1 | 1.9% |
| Prefers not to answer | 236 | 3.2 | 3 | 5.8% |
| | | Total: | 52 | 100% |

| | National | | Vermont | |
|-------------------------|-----------|---------|-----------|---------|
| Gender | Frequency | Percent | Frequency | Percent |
| Female | 4,688 | 63.62% | 36 | 69.23% |
| Male | 2,512 | 34.09% | 11 | 21.15% |
| Gender not listed | 54 | 0.73% | 4 | 7.69% |
| Doesn't want to respond | 108 | 1.47% | 1 | 1.92% |
| Unknown | 7 | 0.09% | 0 | 0.00% |
| | | Total: | 52 | 100% |