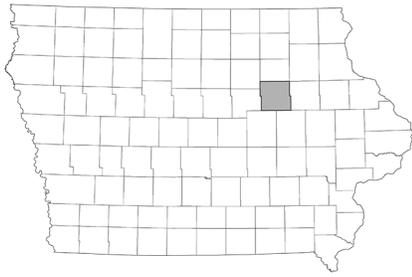


# Data for Decision Makers



## Black Hawk County

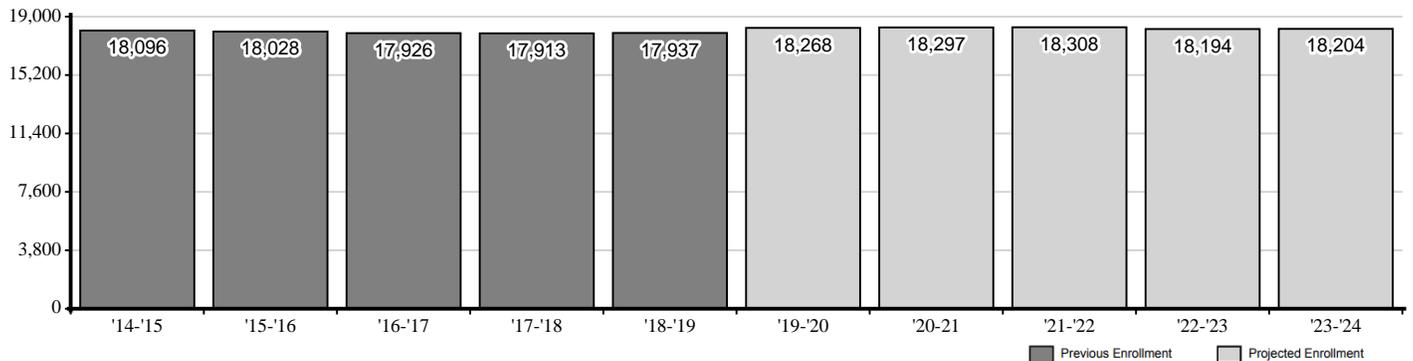


report created: 01/08/2020

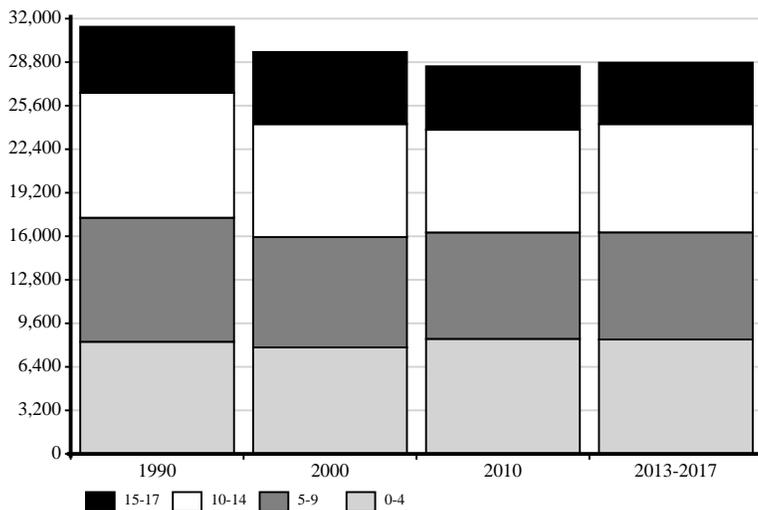
### Youth Population Trends

During the 2018-2019 school year, Black Hawk County had 5 public school districts and 12 nonpublic schools with a total K-12th grade enrollment of 19,665. That breaks down to 6,145 K-3rd graders, and 13,520 4th-12th graders. The following graph shows public school K-12th enrollments along with projected enrollments. Projected enrollments<sup>+</sup> are only calculated for public school districts and are revised annually by the Iowa Department of Education. They are included as a general guideline but should be used with caution.

**Public School District K-12th Grade Enrollment, 2014-2018, and Projected 2019-2023<sup>1,+</sup>**



**Youth Population by Age Group, 1990-2017<sup>2,15</sup>**



<sup>+</sup>Projected enrollment does not take into consideration students who open enroll in school districts outside of the district where they live. It also doesn't account for public school districts which have online enrollment programs that are open to anyone. Significant variation between current enrollment and projected enrollment could be related to these situations.

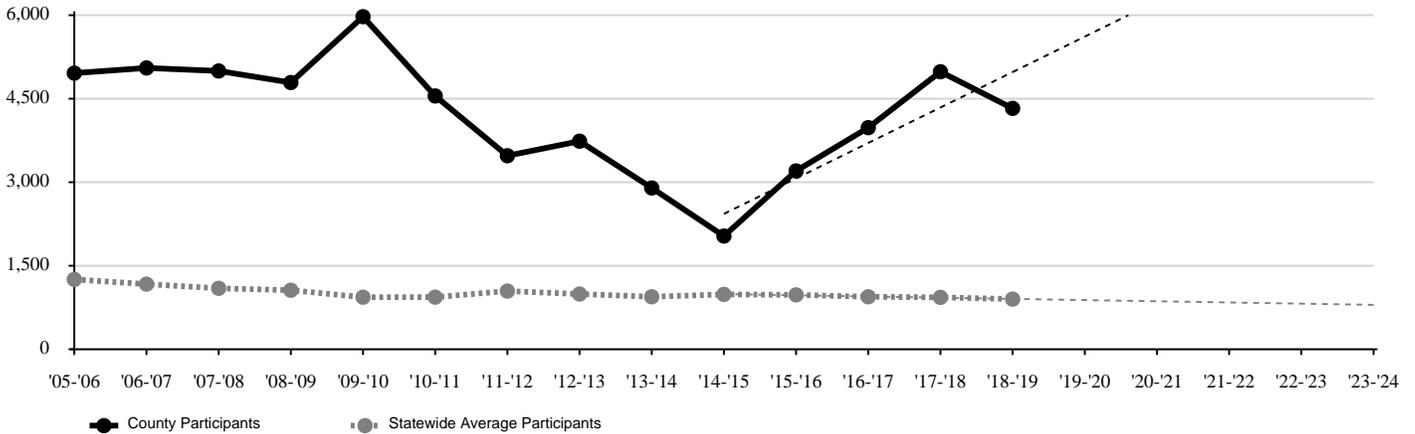
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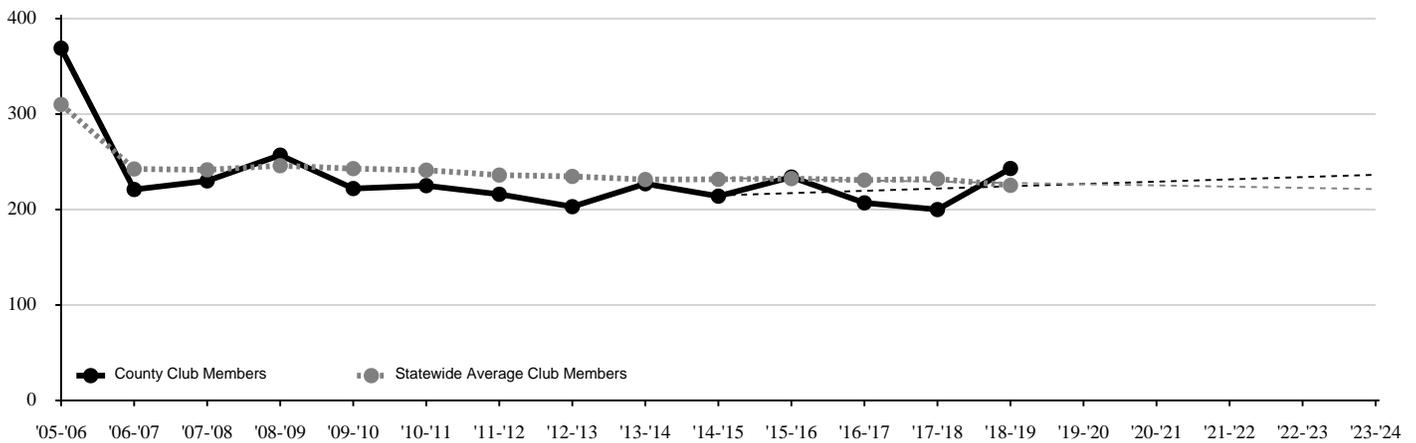
<http://indicators.extension.iastate.edu>

During the 2018-2019 school year, Black Hawk County's 4-H program had 4,326 total participants,<sup>3</sup> 243 club members,<sup>4</sup> and 86 Clover Kids.<sup>5</sup> The following graphs represent the reach of 4-H in Black Hawk County over time compared to the statewide average for program participants, club members, and Clover Kids. Each graph also includes a trend line that represents the trend during the last 5 years, and is projected to show the 4-H reach if those trends continue over the next 5 years.

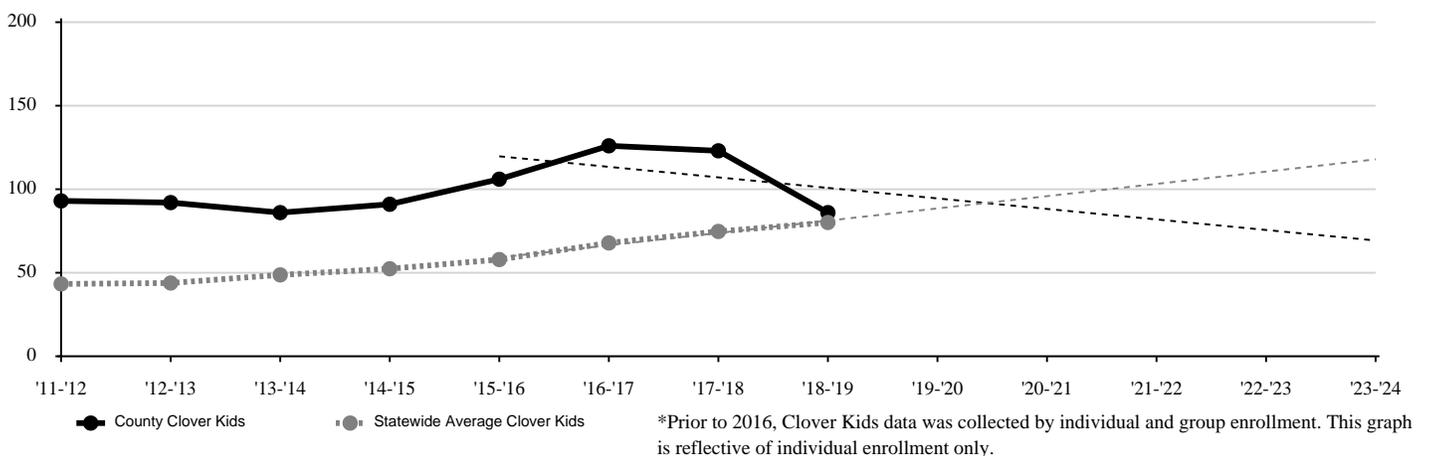
### Number of Program Participants, 2005-2018<sup>3</sup>



### Number of Club Members, 2005-2018<sup>4</sup>

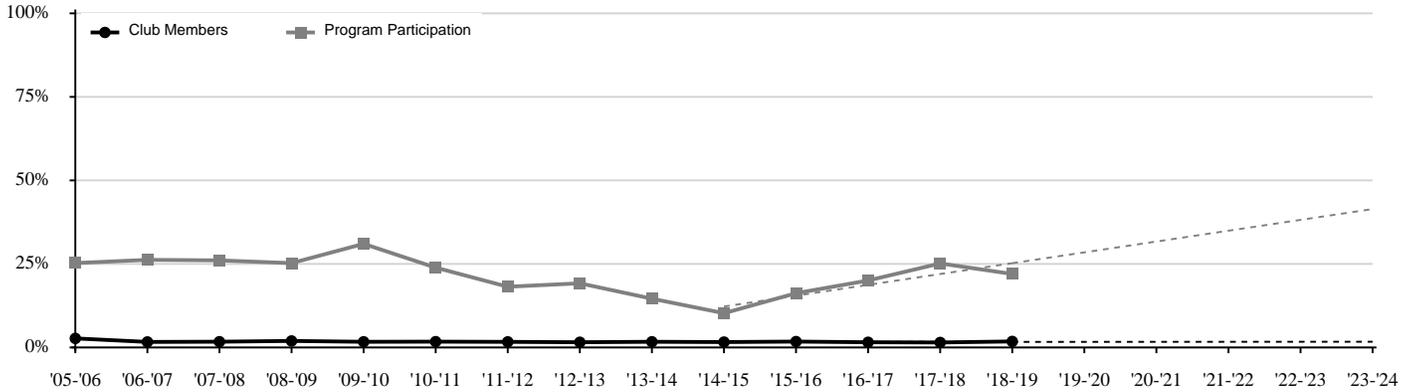


### Number of Clover Kids, 2011-2018<sup>5</sup>

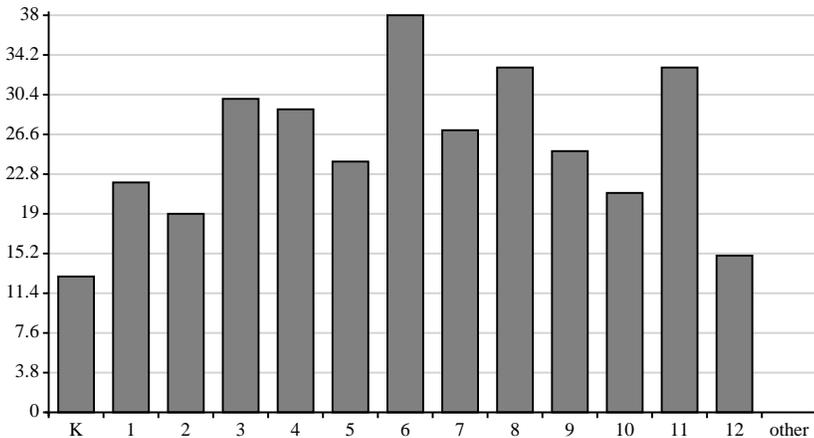


The graph below shows the percent of youth reached in Black Hawk County over time through 4-H program participation and club membership. The graph includes a trend line showing the trend for the last 5 years, and is projected to show the percent of youth reached if the current trend continues over the next 5 years.

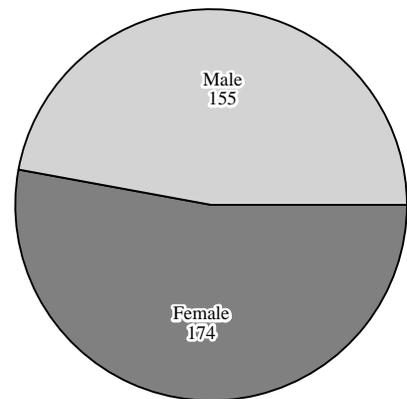
**Percent of Youth Reached in Black Hawk County, 2005-2018<sup>6</sup>**



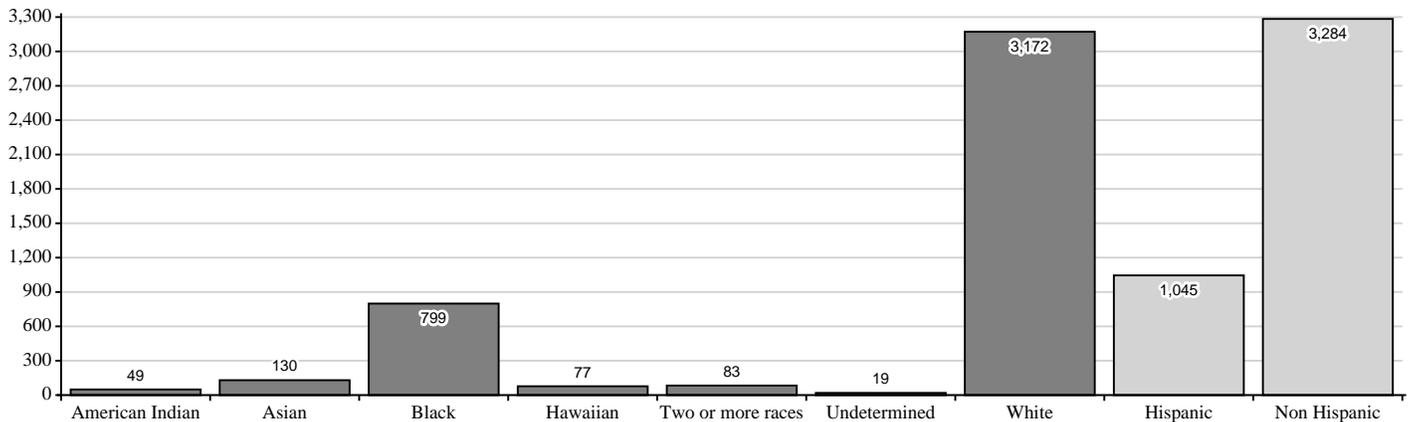
**Number of 4-H Club and Clover Kids by Grade (2017-2018)<sup>4,5</sup>**



**Number of 4-H Club and Clover Kids by Gender (2017-2018)<sup>4,5</sup>**



**Number of Total 4-H Participants by Race and Hispanic Origin (2017-2018)<sup>3</sup>**

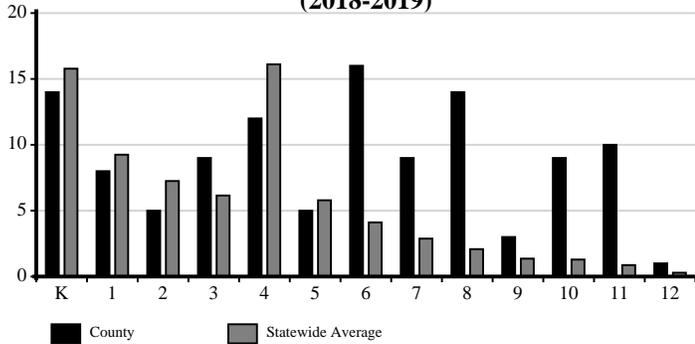


# 4-H Membership Recruitment and Retention

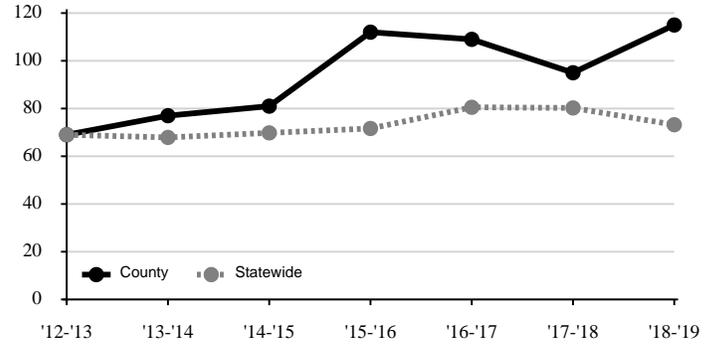
# Black Hawk County

The following graphs show recruitment and retention of 4-H club members and Clover Kids for Black Hawk County compared to the statewide average. 4-H club membership recruitment shows the number of new members by grade (K-12) compared to the statewide average. 4-H club membership retention rates show the percentage, by grade, of each 2017-2018 class that returned in 2018-2019 compared to the statewide average.

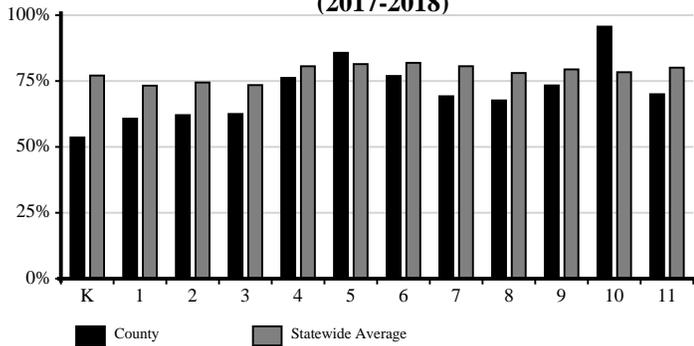
**Number of 4-H Club and Clover Kids Recruited by Grade (2018-2019)<sup>7</sup>**



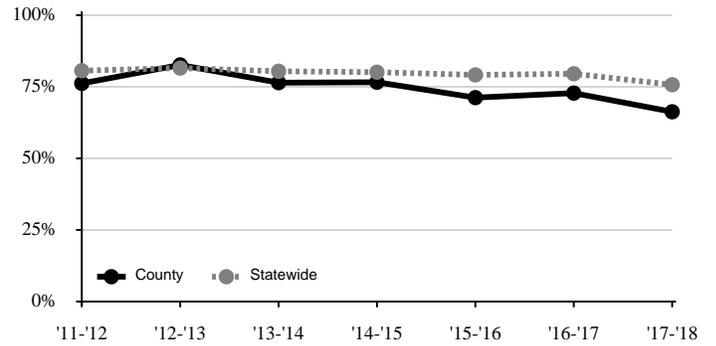
**Number of 4-H Club and Clover Kids Recruited, 2012-2018<sup>7</sup>**



**Percent of 4-H Club and Clover Kids Retained by Grade (2017-2018)<sup>8</sup>**



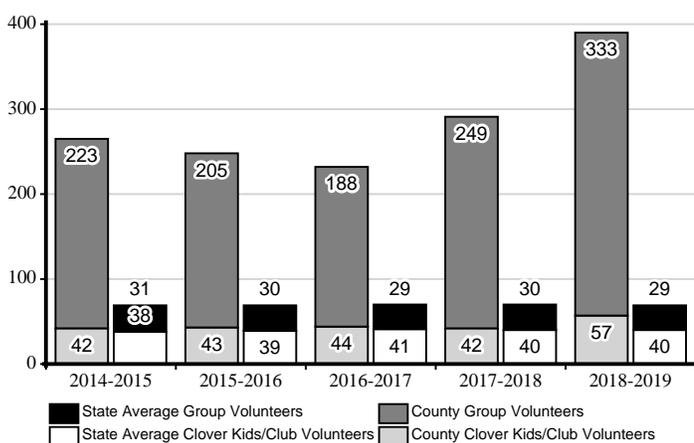
**Percent of 4-H Club and Clover Kids Retained, 2011-2017<sup>8</sup>**



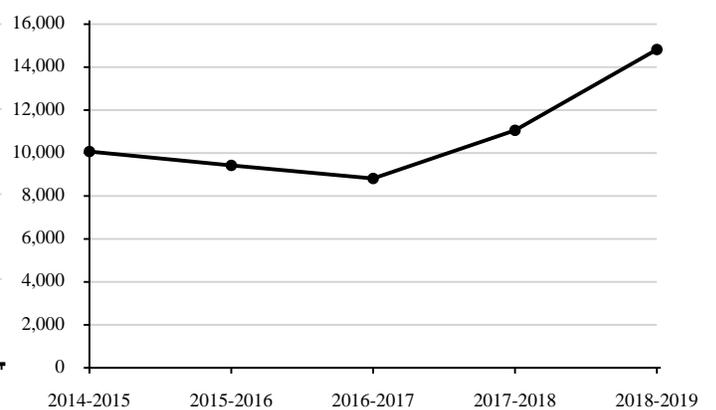
## 4-H Volunteers

4-H volunteers are essential to the success of the program and Youth-Adult Partnerships are central to the 4-H mission. The proper balance of youth and adults promote youth development, enhance the abilities of staff and volunteers, and strengthens community capacity to serve youth. The graph at the bottom of the page shows Black Hawk County volunteers compared to the state average, whether those volunteers work with county clubs and Clover Kids, or youth in another group setting.

**Number of Volunteers, 2014-2018<sup>10</sup>**



**Estimated Number of Volunteer Hours, 2014-2018<sup>10</sup>**



The following graphs provide information on achievement/opportunity gaps facing youth in Black Hawk County. According to a 2015 report from the Iowa Department of Education, “the achievement gap in education refers to the disparity in academic performance between groups of students. In Iowa, this disparity is most significant for students facing economic hardship, students with an individualized education plan, students whose first language is not English, and students of color. These factors impact assessment scores, course selection, graduation rates, and college completion rates.”

## English Language Learners (ELL)

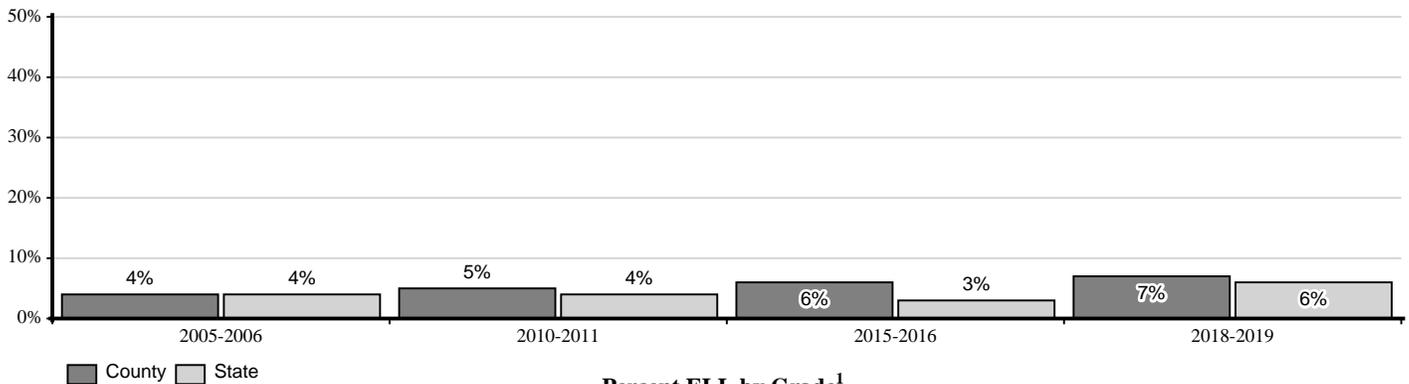
English language learner numbers may give insight into a county’s immigration trends and where families are employed and settled. During the 2018-2019 school year, Black Hawk County had 1312 K-12th grade students identified as Limited English Proficient (LEP) or in an ELL program, out of 17,937 K-12th grade students enrolled. Since the 2000-2001 school year Black Hawk County has seen an upward trend in the number of LEP students. A majority (53%) of LEP students in Black Hawk County are in K-4th grade.

**Public and Nonpublic School Enrollment by English Language Learners by Grade, 2005-2018<sup>1</sup>**

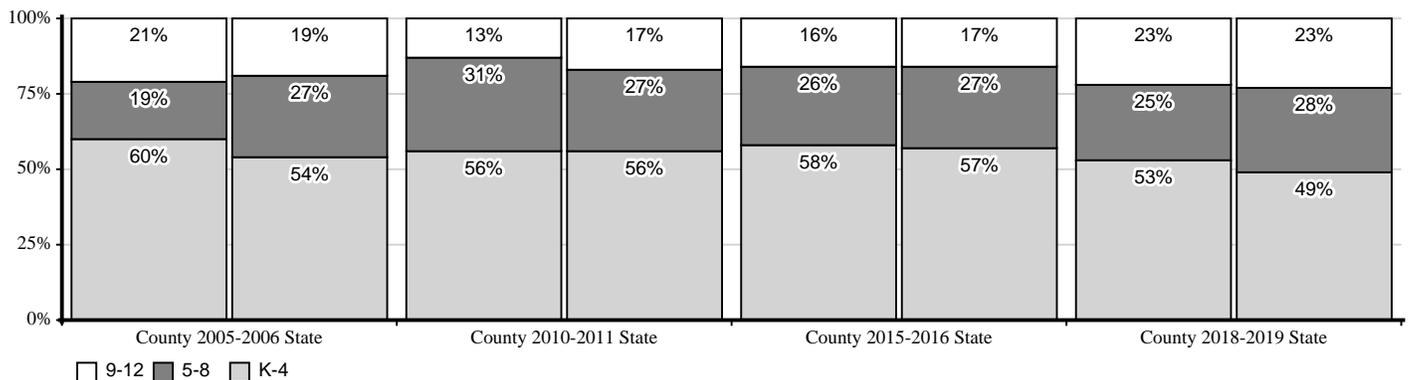
	2005-2006		2010-2011		2015-2016		2018-2019	
	County	State	County	State	County	State	County	State
Total Enrollment*	20,173	1,041,748	19,972	1,063,312	20,813	1,095,872	17,937	483,591
ELL	786	17,176	988	22,275	1,164	28,229	1,312	31,242
K - 4th	475	9,228	554	12,416	680	15,996	690	15,280
5th - 8th	148	4,611	308	6,049	299	7,530	323	8,719
9th - 12th	163	3,337	126	3,810	185	4,692	299	7,243

\*Total Enrollment for 2000-2001, 2005-2006, and 2010-2011 is counted as pre-kindergarten to 12th grade. Total enrollment for 2018-2019 is counted as kindergarten to 12th.

**Percent ELL by Total Enrollment<sup>1</sup>**



**Percent ELL by Grade<sup>1</sup>**



**Race and Ethnicity**

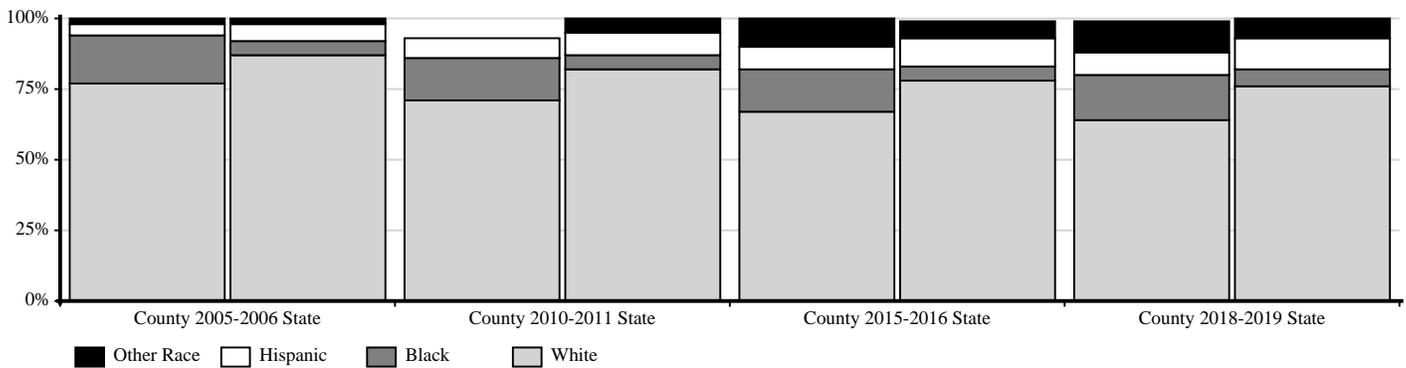
The racial and ethnic composition of students can vary significantly from county to county, as well as being different from statewide composition. During the 2018-2019 school year, Black Hawk County had 20,853 PK-12th grade students in the public and nonpublic schools. Of that, 7,413 (35.5%) are youth of color. In that year, Black Hawk County 4-H programming reached 4,326 youth through club membership and program participation. Of those youth, 1,566 (36%) were youth of color.

**Public and Nonpublic School Enrollment by Race and Ethnicity, 2005-2017<sup>1</sup>**

	2005-2006		2010-2011		2015-2016		2018-2019	
	County	State	County	State	County	State	County	State
Total Enrollment*	20,173	1,041,748	19,972	1,063,312	20,813	1,095,872	20,853	1,105,054
White	15,447	906,710	14,249	871,928	13,912	855,942	13,440	838,074
Black	3,398	50,464	3,063	51,944	3,215	59,180	3,298	66,729
Hispanic	903	58,526	1,324	88,054	1,628	110,010	1,727	119,150
Other Race	425	26,048	1,336	51,386	2,058	70,740	2,388	81,101

\*Total Enrollment for all years is counted for pre-kindergarten to 12th grade for public and nonpublic schools.

**Percent Total Enrollment by Race and Ethnicity<sup>1</sup>**



Race/Ethnicity	4-H Enrollment	% of 4-H Enrollment	% of School Enrollment
American Indian	49	0.1%	0.2%
Asian	130	3.0%	3.3%
Black	799	18.5%	15.8%
Hispanic	1,045	24.1%	8.3%
Hawaiian/Pacific Isl.	77	1.8%	1.2%
More than One Races	83	1.9%	6.7%
White Non Hispanic	2,744	63.4%	64.5%

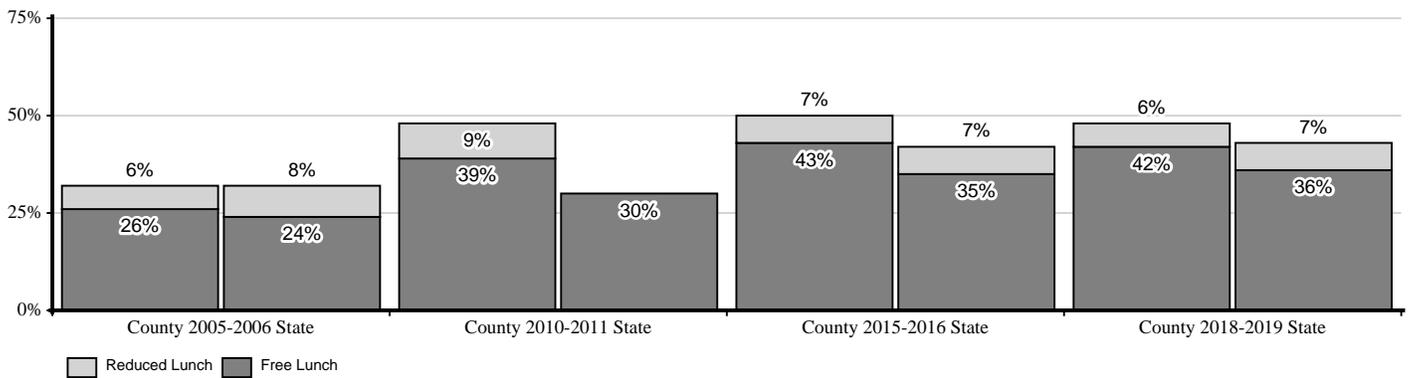
## Free and Reduced-Price Lunch (FRL)

Economic profiles of students and their families are demonstrated by those in Free and Reduced Lunch programs. During the 2018-2019 school year, Black Hawk County had 8,649 K-12th grade students in public schools that received free or reduced-price lunch. To qualify for free lunch for the 2017-2018 school year, a student's household income (household of 2) must be \$21,112 or less (add \$5,434 for each additional family member).<sup>14</sup> To qualify for reduced-price school meals, a student's household income (household of 2) must be \$30,044 or less (add \$7,733 for each additional family member).<sup>14</sup>

**Public School District K-12th Grade Enrollment by Free and Reduced-Price Lunch<sup>1</sup>**

	2005-2006		2010-2011		2015-2016		2018-2019	
	County	State	County	State	County	State	County	State
Total Enrollment*	17,825	483,482	17,961	495,897	18,028	480,062	17,937	483,591
Free Lunch	4,659	117,804	6,978	150,958	7,730	166,350	7,610	173,775
Reduced Lunch	1,071	37,088	1,640	38,687	1,325	34,310	1,039	34,060
Total Recipients	5,730	154,892	8,618	189,645	9,055	200,660	8,649	207,835

\*Total Enrollment for 2000-2001, 2005-2006, and 2010-2011 counted pre-kindergarten to 12th grade. Total enrollment for 2018-2019 counted as kindergarten to 12th. Data not available for nonpublic schools.



Income and poverty measures show the economic environment of children and their families. In general, households of female householders with own children but no husband present have significantly lower income and higher poverty rates than other family types.

**Median Family Income of Families with Own Children by Family Type, 2013-2017<sup>15</sup>**

	County		State	
	Estimate	MOE*	Estimate	MOE*
Families <sup>a</sup>	\$64,341	+/- \$3,571	\$71,504	+/- \$873
Married Couple <sup>a</sup>	\$87,628	+/- \$4,010	\$90,788	+/- \$749
Female Householder <sup>a,b</sup>	\$24,816	+/- \$2,287	\$25,798	+/- \$524
Male Householder <sup>a,b</sup>	\$38,606	+/- \$10,246	\$42,252	+/- \$1,098

<sup>a</sup>with own children <sup>b</sup>no spouse present

**Individuals<sup>a</sup> and Families with Own Children Below Poverty Level, 2013-2017<sup>15</sup>**

	County		State	
	Estimate	MOE*	Estimate	MOE*
Total Population <sup>a</sup>	127,519	+/-515	3,016,358	+/-984
Below poverty	15.9%	+/-0.2%	12.0%	+/-0.2%
17 and under	18.2%	+/-2.8%	14.8%	+/-0.5%
All Families <sup>b</sup>	16.3%	na	12.7%	na
Married Couple <sup>b</sup>	6.0%	na	4.6%	na
Female HH <sup>b,c</sup>	41.7%	na	38.7%	na
Male HH <sup>b,c</sup>	18.6%	na	16.3%	na

<sup>a</sup> for whom poverty status is determined, <sup>b</sup> with own children, <sup>c</sup> no spouse present \*\*MOE is high, use state estimate.

\*MOE = the margin of error for American Community Survey estimates is a value that, when added to or subtracted from the point estimate, gives the range of a 90% confidence interval around the estimate.

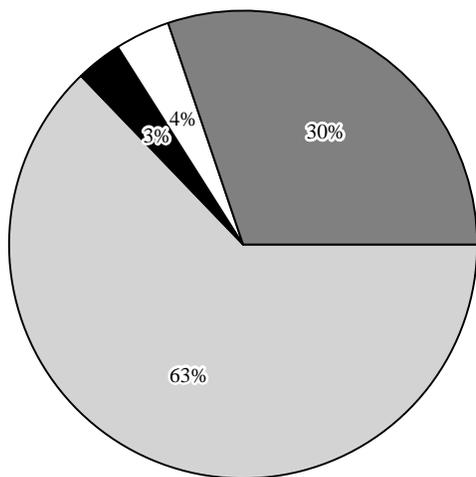
Many counties ask youth to choose at least one project area when they enroll in 4-H. The table below show the most popular project areas of 4-H Club Members in Black Hawk County over the past 5 years. The pie graph shows total 4-H program participation by 4-H's Program Priority Areas.

**Most Common Project Areas (Club Members)<sup>16</sup>**

Year	1st	2nd	3rd	4th	5th
2018-2019	Photography (69)	Food & Nutrition (69)	Visual Art (63)	Woodworking (62)	Swine (52)
2017-2018	Photography (81)	Food & Nutrition (78)	Woodworking (72)	Visual Art (71)	Swine (52)
2016-2017	Photography (117)	Visual Art (101)	Food & Nutrition (92)	Woodworking (83)	Science Engineering & Technology (65)
2015-2016	Photography (125)	Visual Art (103)	Woodworking (97)	Food & Nutrition (96)	Science Engineering & Technology (78)
2014-2015	Photography (130)	Food & Nutrition (108)	Visual Art (100)	Woodworking (92)	Sewing & Needle Arts (82)

**Program Participation by 4-H Program Priority Area 2018-2019<sup>16</sup>**

**Program Participation by 4-H Federal Category 2018-2019<sup>16</sup>**



STEM  
 Leadership & Civic Engagement  
 Communication & Art  
 Healthy Living

Category	Participation
Ag in the Classroom	1,374
Animals	2,597
Biological Sciences	1,587
Civic Engagement	49
Communications and Expressive Arts	368
Consumer and Family Science	281
Environmental Education / Earth Sciences	272
Foods and Nutrition	2,147
Health	1,390
Leadership and Personal Development	419
Personal Safety	921
Physical Sciences	634
Plant Science	1,643
Technology and Engineering	1,312

## Learn More

<sup>1</sup> Iowa Department of Education; Bureau of Information and Analysis, 2005-2019. Enrollment tables in this report vary by the enrollment base used for each topic. The enrollment base may be PK-12<sup>th</sup>, K-12<sup>th</sup>, public and nonpublic, or public schools only. Care should be used in comparisons across topics.

<sup>2</sup> U.S. Census Bureau; 1990, 2000, 2010 Decennial Census; 2014-2018 American Community Survey.

<sup>3</sup> 4-H Online. Total non-duplicated participation in 4-H activities (K-12<sup>th</sup> grade).

<sup>4</sup> 4-H Online. Individually enrolled 4-H Club members (4<sup>th</sup>-12<sup>th</sup> grade).

<sup>5</sup> 4-H Online; Individually enrolled Clover Kids (K-3<sup>rd</sup> grade).

<sup>6</sup> Percent of the total youth population reached by 4-H club membership and program participation. The percent reached for club membership is found by dividing 4-H club membership by the public and nonpublic school enrollment for 4-12<sup>th</sup> grader. The percent reached for program participation is found by dividing program participation by K-12<sup>th</sup> public and nonpublic school enrollment. Since participants may come from any county, total participation may exceed county school

enrollment, and thus total participation may be over 100% in some cases. <sup>15</sup> 4-H Online; 4-H club member project areas, 4-H program participants by 4-H program priority area, 4-H program participants by 4-H federal categories.

<sup>7</sup> 4-H Online; First year, new enrollments in a 4-H club.

<sup>8</sup> 4-H Online; 4-H club members enrolled in current and previous years.

<sup>9</sup> 4-H Online; Group, club, and clover kid volunteers. Hours and dollar value is an estimated calculation based on number of volunteers.

<sup>10</sup> Percent of youth of color reached by 4-H programming compared to school enrollment.

<sup>11</sup> U.S. Census Bureau; 2010 Decennial Census. Population Pyramids visually graph the age-sex composition of a population.

<sup>12</sup> Minority population consists of those who selected a race other than white, including individuals of Hispanic origin. Bars may be missing for small groups.

<sup>13</sup> Iowa Department of Education, Bureau of Nutrition and Health Services.

<sup>14</sup> U.S. Census Bureau; American Community Survey 2014-2018 5-year Estimates.

## Explore More

Learn about other demographic and socioeconomic indicators by visiting the ISU Extension and Outreach Indicators Portal at <http://indicators.extension.iastate.edu/>.

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