

**VOLUME II:  
WARREN COUNTY**

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# Warren County

## DEMOGRAPHICS

### Population Estimates

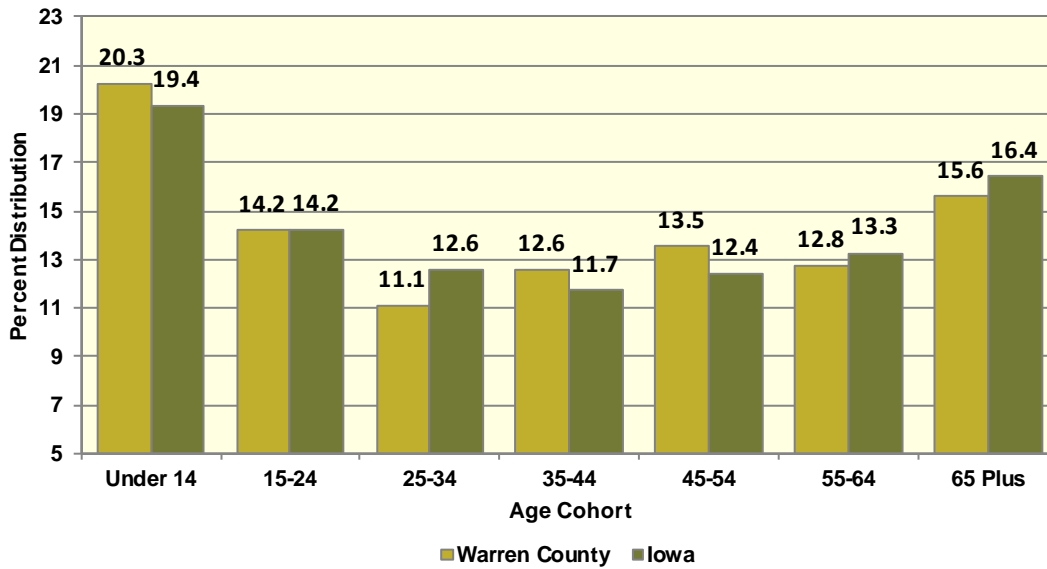
The Census Bureau’s current census estimates indicate that Warren County’s population increased from 46,225 in 2010 to 49,691 in 2016, or by 7.5 percent. This compares to a statewide population change of 2.9 percent over the period. The number of people from 25 to 34 years of age increased by 9.6 percent, and the number of people from 55 to 64 years of age increased by 12.9 percent. The white population increased by 6.5 percent, while the black population increased by 93.2 percent. The Hispanic population increased from 899 to 1,316 people between 2010 and 2016 or by 46.4 percent. These data are presented in Table II.92.1.

<b>Table II.92.1</b> <b>Profile of Population Characteristics</b> Warren County vs. State of Iowa 2010 Census and 2016 Current Census Estimates						
Subject	Warren County			Iowa		
	2010 Census	Jul-16	% Change	2010 Census	Jul-16	% Change
<b>Population</b>	<b>46,225</b>	<b>49,691</b>	<b>7.5%</b>	<b>3,046,355</b>	<b>3,134,693</b>	<b>2.9%</b>
<b>Age</b>						
Under 14 years	9,936	10,067	1.3%	603,673	607,020	0.6%
15 to 24 years	6,301	7,054	12%	430,187	445,808	3.6%
25 to 34 years	5,030	5,514	9.6%	382,583	394,373	3.1%
35 to 44 years	6,223	6,243	0.3%	364,548	367,535	0.8%
45 to 54 years	6,961	6,723	-3.4%	439,726	389,744	-11.4%
55 to 64 years	5,615	6,342	12.9%	372,750	415,998	11.6%
65 and Over	6,159	7,748	25.8%	452,888	514,215	13.5%
<b>Race</b>						
White	45,138	48,066	6.5%	2,839,615	2,864,884	0.9%
Black	219	423	93.2%	91,695	114,874	25.3%
American Indian and Alaskan Native	120	150	25%	13,563	15,924	17.4%
Asian	250	322	28.8%	54,232	78,735	45.2%
Native Hawaiian or Pacific Islander	11	128	1063.6%	2,419	3,592	48.5%
Two or more races	487	602	23.6%	44,831	56,684	26.4%
<b>Ethnicity (of any race)</b>						
Hispanic or Latino	899	1,316	46.4%	151,544	182,606	20.5%

Table II.92.2, presents the population of Warren County by age and gender from the 2010 Census and 2016 current census estimates. The 2010 Census count showed a total of 22,507 males, who accounted for 48.7 percent of the population, and the remaining 51.3 percent, or 23,718 persons, were female. In 2016, the number of males rose to 24,497 persons, and accounted for 49.3 percent of the population, with the remaining 50.7 percent, or 25,194 persons being female.

Table II.92.2 Population by Age and Gender Warren County 2010 Census and Current Census Estimates							
Age	2010 Census			2016 Current Census Estimates			% Change 10-16
	Male	Female	Total	Male	Female	Total	
Under 14 years	5,085	4,851	9,936	5,201	4,866	10,067	1.3%
15 to 24 years	3,115	3,186	6,301	3,567	3,487	7,054	12.0%
25 to 34 years	2,486	2,544	5,030	2,709	2,805	5,514	9.6%
35 to 44 years	3,040	3,183	6,223	3,112	3,131	6,243	0.3%
45 to 54 years	3,378	3,583	6,961	3,301	3,422	6,723	-3.4%
55 to 64 years	2,778	2,837	5,615	3,118	3,224	6,342	12.9%
65 and Over	2,625	3,534	6,159	3,489	4,259	7,748	25.8%
<b>Total</b>	<b>22,507</b>	<b>23,718</b>	<b>46,225</b>	<b>24,497</b>	<b>25,194</b>	<b>49,691</b>	<b>7.5%</b>
<b>% of Total</b>	<b>48.7%</b>	<b>51.3%</b>	.	<b>49.3%</b>	<b>50.7%</b>	.	

**Diagram II.92.1  
Age Distribution**  
Warren County  
2016 Census Population Estimates



According to data from the Census Bureau, between 1990 and 2000, the population in Warren County increased from 36,033 to 40,671 persons, or by 12.9 percent. Between 2000 and 2010, Warren County population, changed by 5,554 persons, to a total population of 46,225 persons. The most recent estimates indicated that Warren County’s population rose an additional 3,466 persons since the 2010 Census, to 49,691 persons in July 2016.

<b>Table II.92.3</b> <b>Population Estimates:</b> <b>Births, Deaths, and Migration</b> Warren County 1990-2010 Census Data and Intercensal Estimates	
<b>1990 Census</b>	<b>36,033</b>
Natural Increase 90-00	2,123
Net Migration 90-00	2,515
<b>2000 Census</b>	<b>40,671</b>
Natural Increase 00-09	1,630
Net Migration 00-09	3,625
<b>2009 Population Estimate</b>	<b>45,926</b>
<b>2010 Census</b>	<b>46,225</b>
Natural Increase 10-16	954
Net Migration 10-16	2,512
<b>2016 Population Estimate</b>	<b>49,691</b>

There are some important implications of these population growth estimates. Total population change is a combination of births, deaths, and the net migration of those arriving in and leaving the state. The result of births minus deaths is termed the *natural increase*. As shown in Table II.92.3, Warren County had a natural increase, of 2,123 persons between 1990 and 2000. During the April 2000 to July 2009 period, Warren County’s natural increase was estimated at 1,630 persons. Between 2010 and 2016, the natural increase was estimated at 954 persons, and the net migration was 2,512 persons.

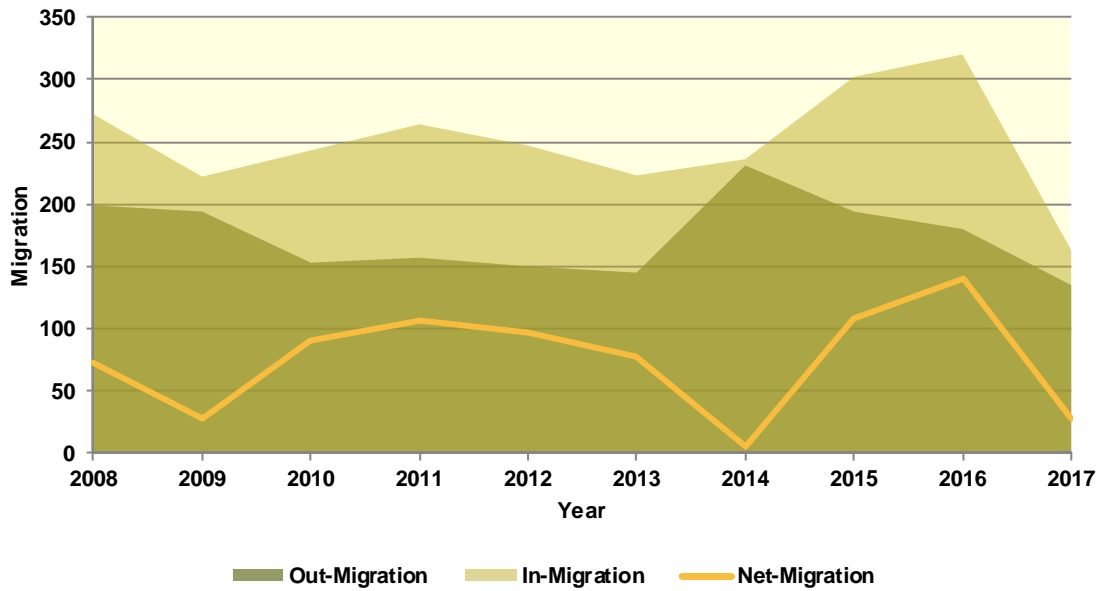
### Population Migration Trends

The Iowa Department of Transportation (IOWADOT) collects data on drivers who move to Iowa and exchange licenses from other states as well as those surrendering Iowa driver’s licenses when relocating to a different state. The IOWADOT data do not represent a precise count of migration, as they show only the net change in the number of driver’s licenses, but the data indicate the general direction of population movement.

As can be seen in Table II.92.4 in 2008 there was a total of 272 in-migrations with a total of 199 out-migrations, which led to a net-migration of 73 persons. The most recent first half 2017 data saw a net-migration of 28 persons, with 163 persons entering Warren County and 135 persons leaving Warren County.

Diagram II.92.2, shows in and out- migration as a shaded area, with net migration depicted as a line graph. As can be seen the maximum net migration occurred in 2016 with 140 people entering and the migration lowest net migration occurred in 2014 with 5 entering Warren County.

**Diagram II.92.2**  
**Net In-migration by Gender**  
 Warren County  
 Iowa DOT Data: 2008 – First Half 2017



The IOWADOT data also collects gender and age information. Table II.92.4, shows in- and out-migration by gender. In the most recent first half 2017 data, 114 percent of net-migrants, or 32 persons were male, with the remaining -14 percent, or -4 persons were female.

Gender	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017-First Half
<b>In</b>										
Male	146	109	114	126	113	100	122	144	166	89
Female	126	113	129	138	134	123	114	158	154	74
<b>Total</b>	<b>272</b>	<b>222</b>	<b>243</b>	<b>264</b>	<b>247</b>	<b>223</b>	<b>236</b>	<b>302</b>	<b>320</b>	<b>163</b>
<b>Out</b>										
Male	89	94	71	75	76	66	102	91	83	57
Female	110	100	82	82	74	79	129	103	97	78
<b>Total</b>	<b>199</b>	<b>194</b>	<b>153</b>	<b>157</b>	<b>150</b>	<b>145</b>	<b>231</b>	<b>194</b>	<b>180</b>	<b>135</b>
<b>Net</b>										
Male	57	15	43	51	37	34	20	53	83	32
Female	16	13	47	56	60	44	-15	55	57	-4
<b>Total</b>	<b>73</b>	<b>28</b>	<b>90</b>	<b>107</b>	<b>97</b>	<b>78</b>	<b>5</b>	<b>108</b>	<b>140</b>	<b>28</b>

Table II.92.5, shows net-migration for Warren County by age range. The largest age cohort in the most recent 2017 net migration data was those in the age range of 26 to 35, with 9 persons entering Warren County. Those in the age range of 23 to 25 had the lowest levels of net migration, with 9 persons leaving Warren County.

<b>Table II.92.5</b> <b>Migration by Age Range</b> Warren County Iowa DOT Data										
Age Range	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017 – First Half
<b>In</b>										
14-17	8	2	2	5	0	1	4	4	2	2
18-22	27	26	40	36	34	27	17	32	36	23
23-25	30	21	26	21	24	21	38	25	39	16
26-35	75	60	74	63	72	52	67	104	84	49
36-45	57	52	42	45	38	51	32	55	56	22
46-55	40	25	23	45	33	31	31	26	43	20
56-65	24	17	17	28	23	25	22	35	29	20
66 +	11	19	19	21	23	15	25	21	31	11
<b>Total</b>	<b>272</b>	<b>222</b>	<b>243</b>	<b>264</b>	<b>247</b>	<b>223</b>	<b>236</b>	<b>302</b>	<b>320</b>	<b>163</b>
<b>Out</b>										
14-17	3	1	1	2	2	0	3	3	1	3
18-22	27	23	18	22	21	15	23	21	24	16
23-25	40	36	25	19	30	16	33	34	26	25
26-35	53	46	49	39	45	39	57	49	46	40
36-45	28	35	23	14	20	19	35	28	23	13
46-55	22	24	16	27	15	26	32	28	24	16
56-65	17	20	12	26	12	20	30	12	8	12
66 +	9	9	9	8	5	10	18	19	28	10
<b>Total</b>	<b>199</b>	<b>194</b>	<b>153</b>	<b>157</b>	<b>150</b>	<b>145</b>	<b>231</b>	<b>194</b>	<b>180</b>	<b>135</b>
<b>Net</b>										
14-17	5	1	1	3	-2	1	1	1	1	-1
18-22	0	3	22	14	13	12	-6	11	12	7
23-25	-10	-15	1	2	-6	5	5	-9	13	-9
26-35	22	14	25	24	27	13	10	55	38	9
36-45	29	17	19	31	18	32	-3	27	33	9
46-55	18	1	7	18	18	5	-1	-2	19	4
56-65	7	-3	5	2	11	5	-8	23	21	8
66 +	2	10	10	13	18	5	7	2	3	1
<b>Total</b>	<b>73</b>	<b>28</b>	<b>90</b>	<b>107</b>	<b>97</b>	<b>78</b>	<b>5</b>	<b>108</b>	<b>140</b>	<b>28</b>

### School Age Enrollment

Table II.92.6, show the school enrollment from the Iowa Department of Education for Warren County. The school enrollment figures are for both public and private schools. As can be seen, in 2010 total enrollment was 8,928 students and was 9,742 in 2017, a change of 9.1 percent. Enrollment for students in grades 1 to 5 was 3,259 students in 2010 and 3,575 in 2017, which was a change of 9.7 percent. Likewise, 2010 enrollment for students in grades 9 to 12 was 2,556 and 2,917 in 2017, which was a change of 14.1 percent.

<b>Table II.92.6</b>						
<b>School Enrollment</b>						
Warren County						
Iowa Department of Education						
<b>Year</b>	<b>Pre-K/K</b>	<b>Grades 1 - 5</b>	<b>Grades 6 - 8</b>	<b>Grades 9 - 12</b>	<b>Special Ed.</b>	<b>Total</b>
2000	584	2,785	1,786	2,422	126	7,703
2001	591	2,811	1,689	2,405	201	7,697
2002	612	2,700	1,748	2,391	178	7,629
2003	635	2,812	1,879	2,433	22	7,781
2004	704	2,873	1,886	2,444	20	7,927
2005	693	2,969	1,896	2,471	91	8,029
2006	766	3,106	1,897	2,570	117	8,339
2007	730	3,229	1,897	2,617	73	8,473
2008	833	3,301	1,958	2,660	234	8,752
2009	864	3,306	1,972	2,629	202	8,771
2010	1,020	3,259	2,093	2,556	407	8,928
2011	1,170	3,256	2,101	2,591	474	9,118
2012	1,101	3,248	2,154	2,655	436	9,158
2013	1,176	3,263	2,151	2,785	482	9,375
2014	1,177	3,320	2,147	2,818	451	9,462
2015	1,171	3,420	2,136	2,880	463	9,607
2016	1,103	3,531	2,108	2,944	399	9,686
2017	1,071	3,575	2,179	2,917	455	9,742
<b>% Change 10-17</b>	<b>5%</b>	<b>9.7%</b>	<b>4.1%</b>	<b>14.1%</b>	<b>11.8%</b>	<b>9.1%</b>

### Census Demographic Data

In the 1980, 1990, and 2000 decennial censuses, the Census Bureau released several tabulations in addition to the full SF1 100 percent count data including the one-in-six SF3 sample. These additional samples, such as the SF3, asked supplementary questions regarding income and household attributes that were not asked in the 100 percent count. In the 2010 decennial census, the Census Bureau did not collect additional sample data, such as the SF3, and thus many important housing and income concepts are not available in the 2010 Census.

To study these important concepts the Census Bureau distributes the American Community Survey every year to a sample of the population and quantifies the results as one-, three- and five-year averages. The one-year sample only includes responses from the year the survey was implemented, while the five-year sample includes responses over a five-year period. Since the five-year estimates include more responses, the estimates can be tabulated down to the Census tract level, and considered more robust than the one or three year sample estimates.

### Population Estimates

Table II.92.7, shows population by age for the 2000 and 2010 Census. The population changed by 13.7 percent overall between 2000 and 2010. Various age cohorts changed at different rates. The elderly population, or persons aged 65 or older, changed by 27.9 percent to a total of 6,159 persons in 2010. Those aged 25 to 34 changed by 5.5 percent, and those aged under 5 changed by 7.1 percent.



<b>Table II.92.7</b> <b>Population by Age</b> Warren County 2000 & 2010 Census SF1 Data					
Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
Under 5	2,778	6.8%	2,974	6.4%	7.1%
5 to 19	9,563	23.5%	10,492	22.7%	9.7%
20 to 24	2,587	6.4%	2,771	6%	7.1%
25 to 34	4,766	11.7%	5,030	10.9%	5.5%
35 to 54	12,483	30.7%	13,184	28.5%	5.6%
55 to 64	3,679	9%	5,615	12.1%	52.6%
65 or Older	4,815	11.8%	6,159	13.3%	27.9%
<b>Total</b>	<b>40,671</b>	<b>100.0%</b>	<b>46,225</b>	<b>100.0%</b>	<b>13.7%</b>

The elderly population is further explored in Table II.92.8. Those aged 65 to 66 changed by 39.1 percent between 2000 and 2010, resulting in a population of 815 persons. Those aged 85 or older changed by 28.4 percent during the same time period, and resulted in 903 persons over age 85 in 2010.

<b>Table II.92.8</b> <b>Elderly Population by Age</b> Warren County 2000 & 2010 Census SF1 Data					
Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
65 to 66	586	12.2%	815	13.2%	39.1%
67 to 69	793	16.5%	1,072	17.4%	35.2%
70 to 74	1,049	21.8%	1,382	22.4%	31.7%
75 to 79	973	20.2%	1,167	18.9%	19.9%
80 to 84	711	14.8%	820	13.3%	15.3%
85 or Older	703	14.6%	903	14.7%	28.4%
<b>Total</b>	<b>4,815</b>	<b>100.0%</b>	<b>6,159</b>	<b>100.0%</b>	<b>27.9%</b>

Population by race and ethnicity is shown in Table II.92.9. The white population changed by 12.5 percent between 2000 and 2010, and resulted in representing 97.1 percent of the population in 2010. The black population changed by 100 percent, represented 0.5 percent of the population in 2010. The American Indian and Asian populations represented 0.2 and 0.5 percent, respectively, in 2010. As for ethnicity, the Hispanic population changed by 103.9 percent between 2000 and 2010, compared to the 12.7 percent growth rate for non-Hispanics.

<b>Table II.92.9</b>					
<b>Population by Race and Ethnicity</b>					
Warren County					
2000 & 2010 Census SF1 Data					
<b>Race</b>	<b>2000 Census</b>		<b>2010 Census</b>		<b>% Change 00-10</b>
	<b>Population</b>	<b>% of Total</b>	<b>Population</b>	<b>% of Total</b>	
White	39,889	98.1%	44,887	97.1%	12.5%
Black	108	0.3%	216	0.5%	100%
American Indian	71	0.2%	109	0.2%	53.5%
Asian	156	0.4%	250	0.5%	60.3%
Native Hawaiian/ Pacific Islander	18	0%	11	0%	-38.9%
Other	118	0.3%	190	0.4%	61%
Two or More Races	311	0.8%	562	1.2%	80.7%
<b>Total</b>	<b>40,671</b>	<b>100.0%</b>	<b>46,225</b>	<b>100.0%</b>	<b>13.7%</b>
<b>Hispanic</b>	441	1.1%	899	1.9%	103.9%
<b>Non-Hispanic</b>	40,230	98.9%	45,326	98.1%	12.7%

Population by race and ethnicity through 2016 is shown in Table II.92.10. The white population represented 96.8 percent of the population in 2016, compared with black households accounting for 0.4 percent of the population. Hispanic households represented 2.4 percent of the population in 2016.

<b>Table II.92.10</b>				
<b>Population by Race and Ethnicity</b>				
Warren County				
2010 Census & 2016 Five-Year ACS				
<b>Race</b>	<b>2010 Census</b>		<b>2016 Five-Year ACS</b>	
	<b>Population</b>	<b>% of Total</b>	<b>Population</b>	<b>% of Total</b>
White	44,887	97.1%	46,619	96.8%
Black	216	0.5%	193	0.4%
American Indian	109	0.2%	113	0.2%
Asian	250	0.5%	230	0.5%
Native Hawaiian/ Pacific Islander	11	0%	51	0.1%
Other	190	0.4%	200	0.4%
Two or More Races	562	1.2%	764	1.6%
<b>Total</b>	<b>46,225</b>	<b>100.0%</b>	<b>48,170</b>	<b>100.0%</b>
<b>Non-Hispanic</b>	45,326	98.1%	47,005	97.6%
<b>Hispanic</b>	899	1.9%	1,165	2.4%

The population by race is broken down further by ethnicity in Table II.92.11. While the white non-Hispanic population changed by 11.7 percent between 2000 and 2010, the white Hispanic population changed by 144.5 percent. The black non-Hispanic population changed by 100.9 percent, while the black Hispanic population changed by 50 percent.

<b>Table II.92.11</b>					
<b>Population by Race and Ethnicity</b>					
Warren County					
2000 & 2010 Census Data					
Race	2000		2010 Census		% Change 00 - 10
	Population	% of Total	Population	% of Total	
<b>Non-Hispanic</b>					
White	39,635	98.5%	44,266	97.7%	11.7%
Black	106	0.3%	213	0.5%	100.9%
American Indian	66	0.2%	96	0.2%	45.5%
Asian	155	0.4%	249	0.5%	60.6%
Native Hawaiian/ Pacific Islander	16	0%	10	0%	-37.5%
Other	12	0%	36	0.1%	200%
Two or More Races	240	0.6%	456	1%	90%
<b>Total Non-Hispanic</b>	<b>40,230</b>	<b>100.0%</b>	<b>45,326</b>	<b>100.0%</b>	<b>12.7%</b>
<b>Hispanic</b>					
White	254	57.6%	621	69.1%	144.5%
Black	2	0.5%	3	0.3%	50%
American Indian	5	1.1%	13	1.4%	160%
Asian	1	0.2%	1	0.1%	0%
Native Hawaiian/ Pacific Islander	2	0.5%	1	0.1%	-50%
Other	106	24%	154	17.1%	45.3%
Two or More Races	71	16.1%	106	11.8%	49.3%
<b>Total Hispanic</b>	<b>441</b>	<b>100.0%</b>	<b>899</b>	<b>100.0%</b>	<b>103.9 %</b>
<b>Total Population</b>	<b>40,671</b>	<b>100.0%</b>	<b>46,225</b>	<b>100.0%</b>	<b>13.7%</b>

The change in race and ethnicity between 2010 and 2016 is shown in Table II.92.12. During this time, the total non-Hispanic population was 47,005 persons in 2016. The Hispanic population was 1,165.

<b>Table II.92.12</b>				
<b>Population by Race and Ethnicity</b>				
Warren County				
2010 Census & 2016 Five-Year ACS				
Race	2010 Census		2016 Five-Year ACS	
	Population	% of Total	Population	% of Total
<b>Non-Hispanic</b>				
White	44,266	97.7%	45,720	97.3%
Black	213	0.5%	186	0.4%
American Indian	96	0.2%	102	0.2%
Asian	249	0.5%	226	0.5%
Native Hawaiian/ Pacific Islander	10	0%	51	0.1%
Other	36	0.1%	11	0%
Two or More Races	456	1%	709	1.5%
<b>Total Non-Hispanic</b>	<b>45,326</b>	<b>100.0%</b>	<b>47,005</b>	<b>100.0%</b>
<b>Hispanic</b>				
White	621	69.1%	899	77.2%
Black	3	0.3%	7	0.6%
American Indian	13	1.4%	11	0.9%
Asian	1	0.1%	4	0.3%
Native Hawaiian/ Pacific Islander	1	0.1%	0	0%
Other	154	17.1%	189	16.2%
Two or More Races	106	11.8%	55	4.7%
<b>Total Hispanic</b>	<b>899</b>	<b>100.0</b>	<b>1,165</b>	<b>100.0%</b>
<b>Total Population</b>	<b>46,225</b>	<b>100.0%</b>	<b>48,170</b>	<b>100.0%</b>

Households by type and tenure are shown in Table II.92.13. Family households represented 73.1 percent of households, while non-family households accounted for 26.9 percent. These changed from 73.1 and 26.9 percent, respectively.

<b>Table II.92.13</b>				
<b>Household Type by Tenure</b>				
Warren County				
2010 Census SF1 & 2016 Five-Year ACS Data				
Household Type	2010 Census		2016 Five-Year ACS	
	Households	Households	Households	% of Total
Family Households	12,621	73.1%	13,331	73.1%
Married-Couple Family	10,422	82.6%	10,461	78.5%
Owner-Occupied	9,530	91.4%	9,275	88.7%
Renter-Occupied	892	8.6%	1,186	11.3%
Other Family	2,199	17.4%	2,870	16.5%
Male Householder, No Spouse Present	657	29.9%	1,089	22.9%
Owner-Occupied	452	68.8%	672	61.7%
Renter-Occupied	205	31.2%	417	38.3%
Female Householder, No Spouse Present	1,542	70.1%	1,781	53.7%
Owner-Occupied	940	61%	918	51.5%
Renter-Occupied	602	39%	863	48.5%
Non-Family Households	4,641	26.9%	4,900	26.9%
Owner-Occupied	2,854	61.5%	3,130	63.9%
Renter-Occupied	1,787	38.5%	1,770	36.1%
<b>Total</b>	<b>17,262</b>	<b>100.0%</b>	<b>18,231</b>	<b>100.0%</b>

The group quarters population was 1,742 in 2010, compared to 1,715 in 2000. Institutionalized populations experienced a -18.1 percent change between 2000 and 2010. Non-institutionalized populations experienced a 12.7 percent change during this same time period.

<b>Table II.92.14</b>					
<b>Group Quarters Population</b>					
Warren County					
2000 & 2010 Census SF1 Data					
Group Quarters Type	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
<b>Institutionalized</b>					
Correctional Institutions	28	4.5%	17	3.4%	-39.3%
Juvenile Facilities	.	.	1	0.2%	.
Nursing Homes	590	95.5%	488	96.4%	-17.3%
Other Institutions	0	0%	0	0%	0%
<b>Total</b>	<b>618</b>	<b>100.0%</b>	<b>506</b>	<b>100.0%</b>	<b>-18.1%</b>
<b>Noninstitutionalized</b>					
College Dormitories	1,020	93%	1,191	96.4%	16.8%
Military Quarters	0	0%	0	0%	0%
Other Noninstitutionalized	77	7%	45	3.6%	-41.6%
<b>Total</b>	<b>1,097</b>	<b>100.0%</b>	<b>1,236</b>	<b>100.0%</b>	<b>12.7%</b>
<b>Group Quarters Population</b>	<b>1,715</b>	<b>100.0%</b>	<b>1,742</b>	<b>100.0%</b>	<b>1.6%</b>

The number of foreign born persons are shown in Table II.92.15. An estimated 0.2 percent of the population was born in Mexico, some 0.1 percent were born in Germany, and another 0.1 percent were born in Korea.

**Table II.92.15**  
**Place of Birth for the Foreign-Born Population**  
 Warren County  
 2016 Five-Year ACS

Number	County	Number of Person	Percent of Total Population
#1 country of origin	Mexico	78	0.2%
#2 country of origin	Germany	64	0.1%
#3 country of origin	Korea	54	0.1%
#4 country of origin	Oceania n.e.c	41	0.1%
#5 country of origin	Bosnia and Herzegovina	38	0.1%
#6 country of origin	Albania	24	0%
#7 country of origin	Taiwan	22	0%
#8 country of origin	El Salvador	16	0%
#9 country of origin	Latvia	16	0%
#10 country of origin	Russia	15	0%

Limited English Proficiency and the language spoken at home are shown in Table II.92.16. An estimated 0.3 percent of the population speaks Spanish at home, followed by 0.1 percent speaking German or other West Germanic languages.

**Table II.92.16**  
**Limited English Proficiency and Language Spoken at Home**  
 Warren County  
 2016 Five-Year ACS

Number	County	Number of Person	Percent of Total Population
#1 LEP Language	Spanish	148	0.3%
#2 LEP Language	German or other West Germanic languages	28	0.1%
#3 LEP Language	Chinese	17	0%
#4 LEP Language	French, Haitian, or Cajun	9	0%
#5 LEP Language	Other Indo-European languages	5	0%
#6 LEP Language	Tagalog	3	0%
#7 LEP Language	Arabic	0	0%
#8 LEP Language	Korean	0	0%
#9 LEP Language	Other Asian and Pacific Island languages	0	0%
#10 LEP Language	Other and unspecified languages	0	0%

## Disability

The disability rate from the 2000 Census is shown in Table II.92.17. Some 13.7 percent of the population was disabled in 2000, or a total of 5,105 persons. The disability rate was highest for those over 65, with 39.5 percent disabled.



<b>Table II.92.17</b> <b>Disability by Age</b> Warren County 2000 Census SF3 Data		
Age	Total	
	Disabled Population	Disability Rate
5 to 15	346	5%
16 to 64	3,088	11.8%
65 and older	1,671	39.5%
<b>Total</b>	<b>5,105</b>	<b>13.7%</b>

Table II.92.18 shows disability by type in 2000. There were 2,305 physical disabilities in 2000, some 1,980 employment disabilities, and 1,439 go-outside-home disabilities.

<b>Table II.92.18</b> <b>Total Disabilities Tallied: Aged 5 and Older</b> Warren County 2000 Census SF3 Data	
Disability Type	Population
Sensory disability	1,253
Physical disability	2,305
Mental disability	1,285
Self-care disability	635
Employment disability	1,980
Go-outside-home disability	1,439
<b>Total</b>	<b>8,897</b>

Disability by age, as estimated by the 2016 ACS, is shown in Table II.92.19. The disability rate for females was 10.6 percent, compared to 11.9 percent for males. The disability rate changed precipitously higher with age, with 49.9 percent of those over 75 experiencing a disability.

<b>Table II.92.19</b> <b>Disability by Age</b> Warren County 2016 Five-Year ACS Data						
Age	Male		Female		Total	
	Disabled Population	Disability Rate	Disabled Population	Disability Rate	Disabled Population	Disability Rate
Under 5	14	1%	6	0.4%	20	0.7%
5 to 17	329	6.9%	109	2.4%	438	4.7%
18 to 34	356	7.4%	219	4.4%	575	5.9%
35 to 64	1,047	11.3%	951	9.9%	1,998	10.6%
65 to 74	515	27.6%	438	20.7%	953	24%
75 or Older	506	46.5%	864	52.1%	1,370	49.9%
<b>Total</b>	<b>2,767</b>	<b>11.9%</b>	<b>2,587</b>	<b>10.6%</b>	<b>5,354</b>	<b>11.3%</b>

The number of disabilities by type, as estimated by the 2016 ACS, is shown in Table II.92.20. Some 6.1 percent have an ambulatory disability, 3.7 have an independent living disability, and 2.2 percent have a self-care disability.

<b>Table II.92.20</b>		
<b>Total Disabilities Tallied: Aged 5 and Older</b>		
Warren County 2016 Five-Year ACS		
<b>Disability Type</b>	<b>Population with Disability</b>	<b>Percent with Disability</b>
Hearing disability	1,805	3.8%
Vision disability	802	1.7%
Cognitive disability	1,670	3.7%
Ambulatory disability	2,713	6.1%
Self-Care disability	985	2.2%
Independent living disability	1,298	3.7%

## Education

Education and employment data, as estimated by the 2016 ACS, is presented in Table II.92.21. In 2016, some 25,088 persons were employed and 1,385 were unemployed. This totaled a labor force of 26,473 persons. The unemployment rate for Warren County was estimated to be 5.2 percent in 2016.

<b>Table II.92.21</b>	
<b>Employment, Labor Force and Unemployment</b>	
Warren County 2016 Five-Year ACS Data	
<b>Employment Status</b>	<b>2016 Five-Year ACS</b>
Employed	25,088
Unemployed	1,385
<b>Labor Force</b>	<b>26,473</b>
Unemployment Rate	5.2%

In 2016, 96.1 percent of households in Warren County had a high school education or greater.

<b>Table II.92.22</b>	
<b>High School or Greater Education</b>	
Warren County 2016 Five-Year ACS Data	
<b>Education Level</b>	<b>Households</b>
High School or Greater	17,524
Total Households	18,231
<b>Percent High School or Above</b>	<b>96.1%</b>

As seen in Table II.92.23, some 30.9 percent of the population had a high school diploma or equivalent, another 37.9 percent have some college, 19.1 percent have a Bachelor's Degree, and 7 percent of the population had a graduate or professional degree.

<b>Table II.92.23</b>		
<b>Educational Attainment</b>		
Warren County 2016 Five-Year ACS Data		
<b>Education Level</b>	<b>Population</b>	<b>Percent</b>
Less Than High School	1,824	5.1%
High School or Equivalent	11,141	30.9%
Some College or Associates Degree	13,660	37.9%
Bachelor's Degree	6,894	19.1%
Graduate or Professional Degree	2,510	7%
<b>Total Population Above 18 years</b>	<b>36,029</b>	<b>100.0%</b>



## ECONOMICS

### Labor Force

Table II.92.24, shows the labor force statistics for Warren County from 1990 to the present. Over the entire series the lowest unemployment rate occurred in 1999 with a rate of 1.8 percent. The highest level of unemployment occurred during 2009 rising to a rate of 5.9 percent. This compared to a statewide low of 2.6 in 1999 and statewide high of 6.4 percent in 2009. Over the last year, the unemployment rate in Warren County decreased from 3.5 percent in 2015 to 3.2 percent in 2016, which compared to a statewide decrease to 3.7 percent.

Year	Warren County				Statewide Unemployment Rate
	Unemployment	Employment	Labor Force	Unemployment Rate	
1990	567	19,809	20,376	2.8%	4.4%
1991	649	20,158	20,807	3.1%	4.7%
1992	668	20,861	21,529	3.1%	4.5%
1993	698	21,841	22,539	3.1%	4%
1994	497	22,321	22,818	2.2%	3.5%
1995	535	22,549	23,084	2.3%	3.4%
1996	507	22,952	23,459	2.2%	3.5%
1997	470	22,837	23,307	2%	3.1%
1998	456	23,120	23,576	1.9%	2.7%
1999	416	23,009	23,425	1.8%	2.6%
2000	496	22,981	23,477	2.1%	2.6%
2001	615	23,161	23,776	2.6%	3.3%
2002	779	23,673	24,452	3.2%	4%
2003	885	23,272	24,157	3.7%	4.5%
2004	944	23,193	24,137	3.9%	4.5%
2005	901	23,699	24,600	3.7%	4.3%
2006	813	24,514	25,327	3.2%	3.7%
2007	831	24,644	25,475	3.3%	3.7%
2008	982	24,771	25,753	3.8%	4.2%
2009	1,522	24,391	25,913	5.9%	6.4%
2010	1,486	24,871	26,357	5.6%	6%
2011	1,345	24,607	25,952	5.2%	5.5%
2012	1,235	24,650	25,885	4.8%	5%
2013	1,189	25,207	26,396	4.5%	4.7%
2014	1,071	25,789	26,860	4%	4.3%
2015	932	25,814	26,746	3.5%	3.8%
2016	876	26,134	27,010	3.2%	3.7%

Diagram II.92.3, shows the employment and labor force for Warren County. The difference between the two lines represents the number of unemployed persons. In the most recent year, employment stood at 26,134 persons, with the labor force reaching 27,010, indicating there were a total of 876 unemployed persons.





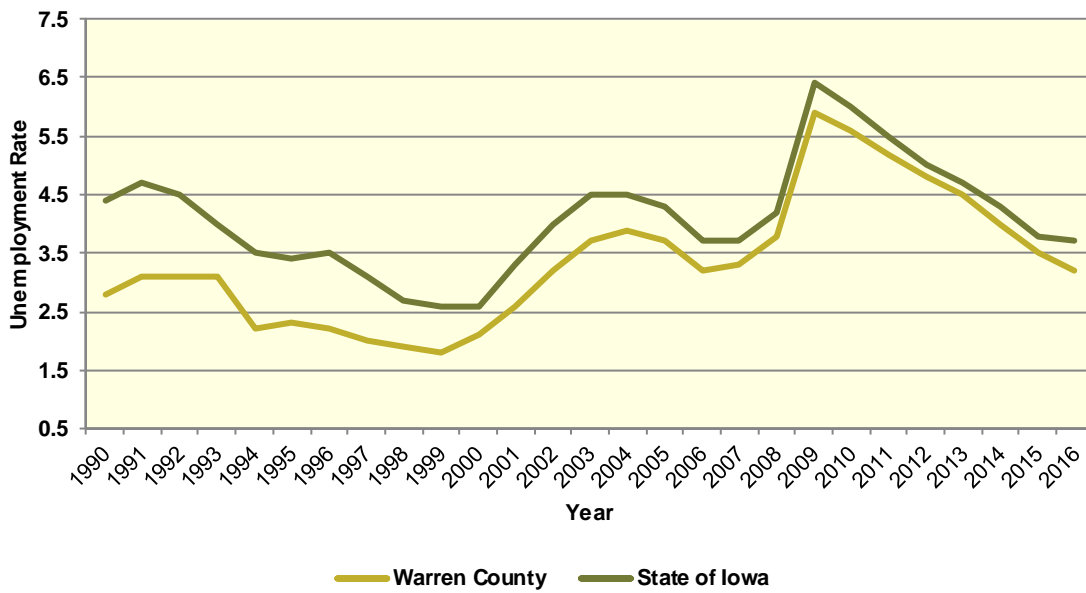
**Diagram II.92.3**  
**Employment and Labor Force**  
 Warren County  
 1990 – 2016 BLS Data



**Unemployment**

Diagram II.92.4, shows the unemployment rate for both the State and Warren County. During the 1990’s the average rate for Warren County was 2.4 percent, which compared to 3.6 percent statewide. Between 2000 and 2010 the unemployment rate had an average of 3.5 percent, which compared to 4.1 percent statewide. Since 2010, the average unemployment rate was 4.4 percent. Over the course of the entire period the Warren County had an average unemployment rate that lower than the State, 3.4 percent for Warren County, versus 4.1 statewide.

**Diagram II.92.4**  
**Annual Unemployment Rate**  
 Warren County  
 1990 – 2016 BLS Data



**Earnings and Employment**

The Bureau of Economic Analysis (B.E.A.) produces regional economic accounts, which provide a consistent framework for analyzing and comparing individual state and local area economies. Table II.92.25, shows total real earnings by industry for Warren County. In the most recent 2016 estimate, the government and government enterprises industry had the largest total real earnings, with total real earnings reaching \$145,041,000. Between 2015 and 2016 the mining industry saw the largest percentage increase, rising by 56.3 percent.

**Table II.92.25**  
**Real Earnings by Industry**  
 Warren County  
 BEA Table CA-5N Data (1,000's of 2016 Dollars)

NAICS Categories	2001	2010	2011	2012	2013	2014	2015	2016	% Change 15-16
Farm earnings	4,210	15,704	29,360	29,586	37,254	16,840	15,434	11,438	-25.9
Forestry, fishing, related activities, and other	0	0	1,920	0	0	3,610	0	0	0
Mining	0	206	129	138	174	192	363	567	56.3
Utilities	0	0	0	0	0	0	0	0	0
Construction	68,291	66,933	81,329	92,778	91,208	99,868	98,378	106,105	7.9
Manufacturing	29,602	24,172	23,886	28,301	29,850	31,774	40,712	50,117	23.1
Wholesale trade	25,654	36,543	37,709	38,889	38,646	42,944	42,079	40,326	-4.2
Retail trade	58,542	47,789	48,923	50,795	49,621	52,176	59,864	64,676	8
Transportation and warehousing	0	0	0	0	0	0	0	0	0
Information	6,170	16,229	19,444	16,194	13,716	11,641	10,836	10,110	-6.7
Finance and insurance	14,653	24,271	20,411	24,828	23,262	24,729	24,635	23,350	-5.2
Real estate and rental and leasing	6,055	10,161	9,239	9,908	11,868	13,972	16,256	16,120	-0.8
Professional and technical services	18,162	25,470	28,994	23,071	26,385	26,529	28,265	33,848	19.8
Management of companies and enterprises	1,147	844	810	1,286	1,546	1,738	1,726	2,249	30.3
Administrative and waste services	6,721	11,324	14,112	18,825	19,469	20,107	18,794	17,888	-4.8
Educational services	20,728	26,322	26,118	26,466	25,836	26,315	24,946	25,214	1.1
Health care and social assistance	44,898	64,431	63,751	62,383	64,715	68,262	72,119	72,553	0.6
Arts, entertainment, and recreation	3,737	3,421	3,288	3,897	4,447	4,677	4,592	5,994	30.5
Accommodation and food services	12,486	13,415	13,265	13,834	15,234	16,218	16,097	18,362	14.1
Other services, except public administration	29,079	33,573	33,706	35,123	35,677	38,072	39,220	39,186	-0.1
Government and government enterprises	94,133	133,205	128,804	129,730	132,649	135,653	140,491	145,041	3.2
<b>Total</b>	<b>460,118</b>	<b>574,688</b>	<b>598,865</b>	<b>618,809</b>	<b>636,244</b>	<b>646,599</b>	<b>671,262</b>	<b>702,898</b>	<b>4.7</b>

Table II.92.26, shows the total employment by industry for the Warren County. The most recent estimates show the retail trade industry was the largest employer in Warren County, with employment reaching 2,633 jobs in 2016. Between 2015 and 2016 the management of companies and enterprises industry saw the largest percentage increase, rising by 31 percent.

<b>NAICS Categories</b>	<b>2001</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>% Change 15-16</b>
Farm earnings	1,408	1,147	1,189	1,211	1,232	1,205	1,216	1,207	-0.7
Forestry, fishing, related activities, and other	0	0	107	0	0	158	0	0	0
Mining	0	14	15	26	27	25	29	29	0
Utilities	0	0	0	0	0	0	0	0	0
Construction	1,396	1,245	1,370	1,498	1,573	1,694	1,648	1,712	3.9
Manufacturing	547	537	558	598	620	586	815	869	6.6
Wholesale trade	413	502	487	510	525	587	573	580	1.2
Retail trade	2,357	2,123	2,143	2,131	2,135	2,230	2,569	2,633	2.5
Transportation and warehousing	0	0	0	0	0	0	0	0	0
Information	199	470	542	392	347	294	262	249	-5
Finance and insurance	490	663	735	692	744	748	742	730	-1.6
Real estate and rental and leasing	380	622	640	635	658	709	708	730	3.1
Professional and technical services	570	734	771	701	756	772	739	839	13.5
Management of companies and enterprises	27	37	38	38	43	45	42	55	31
Administrative and waste services	445	586	580	803	739	751	718	657	-8.5
Educational services	585	722	774	836	859	884	845	810	-4.1
Health care and social assistance	1,524	1,836	1,817	1,834	1,854	1,876	1,910	1,906	-0.2
Arts, entertainment, and recreation	324	383	410	421	421	463	486	607	24.9
Accommodation and food services	822	959	905	926	991	1,025	979	1,018	4
Other services, except public administration	956	1,023	1,033	1,046	1,112	1,247	1,277	1,183	-7.4
Government and government enterprises	2,200	2,357	2,407	2,434	2,461	2,469	2,474	2,544	2.8
<b>Total</b>	<b>15,035</b>	<b>16,395</b>	<b>16,837</b>	<b>17,155</b>	<b>17,508</b>	<b>18,062</b>	<b>18,472</b>	<b>18,794</b>	<b>1.7</b>



Table II.92.27, shows the real average earnings per job by industry for Warren County. These figures are calculated by dividing the total real earning displayed in Tables II.92.25 and II.92.26, by industry. In 2016, the wholesale trade industry had the highest average earnings reaching 69,528 dollars. Between 2015 and 2016 the mining industry saw the largest percentage increase, rising by 56.3 percent.

**Table II.92.27**  
**Real Earnings Per Job by Industry**  
 Warren County  
 BEA Table CA5N and CA25 Data

NAICS Categories	2001	2010	2011	2012	2013	2014	2015	2016	% Change 15-16
Farm earnings	2,990	13,691	24,693	24,431	30,239	13,975	12,692	9,476	-25.3
Forestry, fishing, related activities, and other	0	0	17,946	0	0	22,847	0	0	0
Mining	0	14,706	8,630	5,296	6,448	7,660	12,507	19,552	56.3
Utilities	0	0	0	0	0	0	0	0	0
Construction	48,919	53,761	59,364	61,935	57,984	58,954	59,695	61,977	3.8
Manufacturing	54,117	45,012	42,806	47,326	48,145	54,221	49,954	57,672	15.5
Wholesale trade	62,116	72,795	77,431	76,253	73,611	73,159	73,436	69,528	-5.3
Retail trade	24,837	22,510	22,829	23,836	23,241	23,397	23,303	24,564	5.4
Transportation and warehousing	0	0	0	0	0	0	0	0	0
Information	31,007	34,530	35,875	41,312	39,528	39,594	41,358	40,602	-1.8
Finance and insurance	29,905	36,607	27,770	35,878	31,266	33,060	33,201	31,986	-3.7
Real estate and rental and leasing	15,933	16,336	14,437	15,603	18,037	19,707	22,961	22,082	-3.8
Professional and technical services	31,864	34,700	37,605	32,911	34,901	34,365	38,248	40,343	5.5
Management of companies and enterprises	42,483	22,823	21,319	33,839	35,952	38,619	41,106	40,891	-0.5
Administrative and waste services	15,104	19,325	24,331	23,444	26,346	26,773	26,176	27,227	4
Educational services	35,432	36,457	33,744	31,658	30,076	29,769	29,522	31,128	5.4
Health care and social assistance	29,461	35,093	35,086	34,015	34,906	36,387	37,758	38,066	0.8
Arts, entertainment, and recreation	11,532	8,931	8,020	9,256	10,563	10,101	9,448	9,875	4.5
Accommodation and food services	15,189	13,989	14,658	14,940	15,372	15,823	16,443	18,037	9.7
Other services, except public administration	30,418	32,818	32,629	33,579	32,084	30,531	30,712	33,124	7.9
Government and government enterprises	42,788	56,515	53,512	53,299	53,900	54,942	56,787	57,013	0.4
<b>Total</b>	<b>30,603</b>	<b>35,053</b>	<b>35,568</b>	<b>36,072</b>	<b>36,340</b>	<b>35,799</b>	<b>36,339</b>	<b>37,400</b>	<b>2.9</b>

Table II.92.28 shows total employment and real personal income for the years of 1969 to 2016. As can be seen in total real personal income in 2016, comprising all wage and salary earnings, proprietorship income, dividends, interest, rents, and transfer payments, was \$2,267,484,000 a 2.7 percent change between 2015 and 2016. Table II.92.28, shows further annual data for the years 1969 through 2016. In 2010, total employment was 16,395 and 18,794 in 2016, which a change of 1.7 percent over this period.

**Table II.92.28**  
**Total Employment and Real Personal Income**  
 Warren County  
 BEA Data 1969 Through 2015

Year	1,000s of 2016 Dollars						Per Capita Income	Total Employment	Average Real Earnings Per Job
	Earnings	Social Security Contributions	Residents Adjustments	Dividends, Interest, Rents	Transfer Payments	Personal Income			
1969	183,069	10,917	221,390	69,289	35,654	498,486	18,898	6,971	26,262
1970	194,589	12,069	221,096	75,382	39,878	518,875	18,821	7,457	26,096
1971	196,155	12,533	234,018	79,907	43,687	541,234	19,269	7,394	26,527
1972	218,777	13,664	257,296	85,422	45,181	593,012	20,504	7,705	28,394
1973	263,022	16,365	275,273	92,167	50,711	664,807	21,926	8,230	31,959
1974	215,202	17,065	294,775	96,332	54,387	643,630	20,932	8,473	25,400
1975	230,913	17,747	300,192	103,362	61,368	678,088	21,734	9,324	24,765
1976	244,153	19,259	316,588	109,148	64,210	714,840	22,378	9,650	25,301
1977	221,015	19,353	345,909	115,867	66,775	730,212	22,223	9,569	23,095
1978	273,672	21,028	370,928	123,020	69,549	816,141	24,256	9,826	27,851
1979	257,484	23,466	394,637	129,258	71,883	829,797	24,227	10,404	24,750
1980	229,091	22,122	397,993	142,127	79,847	826,936	23,684	10,541	21,733
1981	223,654	22,180	387,007	156,461	83,215	828,158	23,677	10,506	21,288
1982	220,281	22,344	368,134	167,569	85,839	819,479	23,599	10,469	21,040
1983	217,191	22,892	369,007	165,913	88,878	818,098	23,571	10,852	20,015
1984	242,041	24,850	385,395	169,230	88,449	860,265	24,736	11,061	21,883
1985	255,185	25,958	391,063	166,536	91,980	878,806	25,271	11,154	22,878
1986	257,094	27,416	400,769	169,531	94,592	894,569	25,634	11,201	22,952
1987	276,494	29,168	417,629	166,255	94,984	926,194	26,434	11,320	24,426
1988	276,911	31,825	442,589	165,854	97,393	950,922	27,037	11,508	24,063
1989	293,382	33,352	455,246	172,496	98,406	986,177	27,658	11,753	24,962
1990	295,239	34,786	473,087	172,039	102,775	1,008,354	27,879	12,449	23,717
1991	293,163	35,687	493,261	177,640	109,727	1,038,104	28,385	12,543	23,373
1992	319,212	37,693	507,410	174,111	116,593	1,079,634	29,062	12,785	24,968
1993	307,572	38,737	528,783	173,409	121,721	1,092,749	28,933	12,874	23,892
1994	343,061	40,758	552,075	184,780	123,909	1,163,068	30,449	12,948	26,496
1995	338,035	42,710	572,062	183,267	135,118	1,185,772	30,684	13,788	24,517
1996	373,374	41,459	591,526	190,759	139,289	1,253,489	31,994	14,211	26,273
1997	396,086	46,197	618,346	204,973	144,159	1,317,366	33,343	14,491	27,333
1998	383,761	46,468	657,921	211,393	148,499	1,355,106	33,953	13,843	27,722
1999	404,784	49,059	686,641	211,022	153,197	1,406,585	34,868	14,164	28,579
2000	425,800	50,476	706,636	220,242	162,305	1,464,507	35,906	14,295	29,786
2001	460,118	53,119	726,564	212,574	173,929	1,520,067	37,002	15,035	30,603
2002	488,156	56,031	753,267	209,412	185,841	1,580,645	38,160	15,211	32,093
2003	506,957	59,081	783,443	208,327	184,867	1,624,514	38,507	15,529	32,646
2004	545,696	60,804	814,300	220,201	187,552	1,706,945	40,084	15,847	34,435
2005	534,135	61,027	815,722	216,986	200,800	1,706,615	39,378	16,096	33,184
2006	535,297	61,814	832,799	240,508	220,321	1,767,111	40,000	16,253	32,935
2007	535,820	62,640	857,040	262,240	228,324	1,820,783	40,580	16,402	32,668
2008	571,841	65,720	897,034	284,483	263,811	1,951,449	42,937	16,609	34,430
2009	579,705	67,407	871,661	258,590	284,711	1,927,260	41,965	16,536	35,057
2010	574,688	68,970	864,770	251,965	306,148	1,928,602	41,626	16,395	35,052
2011	598,865	65,647	878,011	290,201	303,529	2,004,958	42,953	16,837	35,569
2012	618,809	66,033	899,083	301,091	301,723	2,054,673	43,725	17,155	36,071
2013	636,244	74,890	893,680	308,543	306,503	2,070,079	43,625	17,508	36,340
2014	646,599	76,399	918,699	319,292	313,211	2,121,403	44,186	18,062	35,799
2015	671,262	79,138	965,697	325,729	324,594	2,208,145	45,336	18,472	36,339
2016	702,898	84,283	988,948	327,457	332,464	2,267,484	45,632	18,794	37,400

Diagram II.92.5, shows real average earnings per job for Warren County from 1990 to 2016. Over this period the average earning per job for Warren County was \$31,010, which was lower than the statewide average of \$43,526 over the same period.

**Diagram II.92.5**  
**Real Average Earnings Per Job**  
 Warren County  
 BEA Data 1990 - 2016

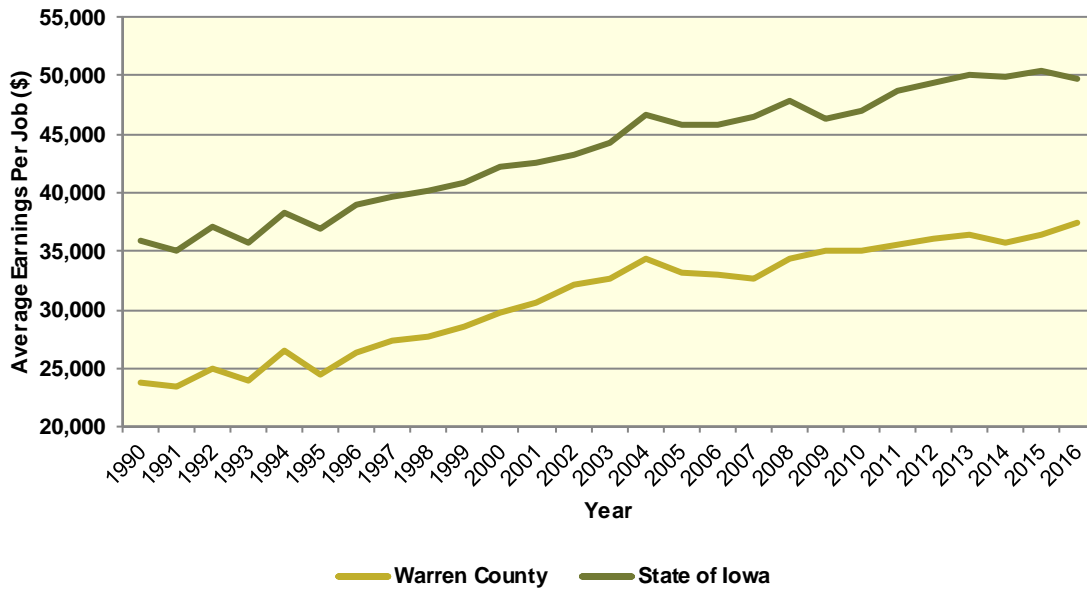
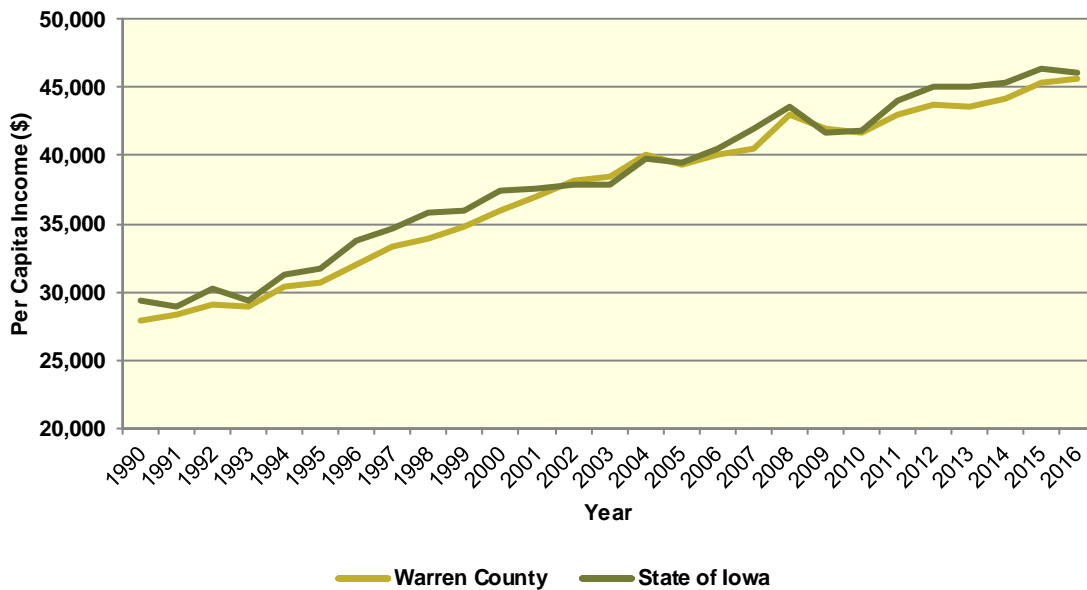


Diagram II.92.6, shows real per capita income for the Warren County from 1990 to 2016, which is calculated by dividing total personal income from all sources by population. Per capita income is a broader measure of wealth than real average earnings per job, which only captures the working population. Over this period, the real per capita income for Warren County was \$37,450, which was lower than the statewide average of \$38,254 over the same period.

**Diagram II.92.6**  
**Real Per Capita Income**  
 Warren County  
 BEA Data 1990 - 2016



**Quarterly Census of Employment and Wages**

The BLS produces the Quarterly Census of Employment and Wages (QCEW), which reports monthly data on employment and quarterly data on wages and number of business establishments. QCEW employment data represent only filled jobs, whether full or part-time, temporary or permanent, by place of work the pay period. If data do not meet BLS or State agency disclosure standards they are displayed as (ND) and not disclosed. Data from this series are from the period of January 2006 through December 2016 and are presented in Table II.92.29, with the 2016 information considered preliminary (p). Between 2015 and 2016, total annual employment increased from 10,744 persons in 2015 to 10,997 in 2016, a change of 2.4 percent.

**Table II.92.29**  
**Total Monthly Employment**  
 Warren County  
 BLS QCEW Data, 2001–2016(p)

Period	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Jan	9,059	8,959	9,214	9,031	8,845	9,249	9,311	9,421	9,768	10,177	10,478
Feb	9,041	8,900	9,261	9,082	8,925	9,189	9,310	9,548	9,819	10,200	10,458
Mar	9,157	9,028	9,248	9,137	8,965	9,337	9,442	9,598	9,876	10,354	10,633
Apr	9,362	9,342	9,531	9,366	9,333	9,627	9,881	10,023	10,254	10,821	11,127
May	9,445	9,466	9,648	9,613	9,441	9,755	10,055	10,177	10,434	11,014	11,220
Jun	9,590	9,642	9,855	9,840	9,628	9,914	10,243	10,376	10,559	11,157	11,348
Jul	9,112	9,040	9,256	9,115	8,873	9,582	9,822	9,907	10,283	10,681	10,859
Aug	9,081	9,110	9,359	9,198	8,936	9,491	9,752	9,972	10,281	10,695	10,846
Sep	9,393	9,546	9,771	9,606	9,367	9,722	10,245	10,299	10,647	10,776	11,169
Oct	9,477	9,587	9,633	9,498	9,509	9,691	9,883	10,254	10,691	11,061	11,277
Nov	9,314	9,569	9,612	9,399	9,507	9,589	9,918	10,332	10,732	10,995	11,284
Dec	9,277	9,513	9,470	9,250	9,506	9,478	9,813	10,239	10,661	10,995	11,262
<b>Annual</b>	<b>9,276</b>	<b>9,309</b>	<b>9,488</b>	<b>9,345</b>	<b>9,236</b>	<b>9,552</b>	<b>9,806</b>	<b>10,012</b>	<b>10,334</b>	<b>10,744</b>	<b>10,997</b>
<b>% Change</b>	.	0.4%	1.9%	-1.5%	-1.2%	3.4%	2.7%	2.1%	3.2%	4%	2.4%



The QCEW also reports average weekly wages, which represents total compensation paid during the calendar quarter, regardless of when services were performed. The BLS QCEW data indicated average weekly wages were \$693 in 2015. In 2016, average weekly wages saw an increased of 4.2 percent over the prior year, rising to \$722, or by 29 dollars. These data are shown in Table II.92.30.

<b>Table II.92.30</b>						
<b>Average Weekly Wages</b>						
Warren County						
BLS QCEW Data, 2001–2016(p)						
<b>Year</b>	<b>First Quarter</b>	<b>Second Quarter</b>	<b>Third Quarter</b>	<b>Fourth Quarter</b>	<b>Annual</b>	<b>% Change</b>
2001	438	452	457	485	459	
2002	453	469	482	512	479	4.4%
2003	473	491	499	532	500	4.4%
2004	488	511	522	557	520	4%
2005	492	530	540	557	530	1.9%
2006	523	548	530	581	546	3%
2007	540	567	559	594	565	3.5%
2008	559	582	586	616	586	3.7%
2009	567	585	589	628	593	1.2%
2010	568	608	607	638	606	2.2%
2011	588	611	657	655	628	3.6%
2012	621	624	632	661	634	1%
2013	636	646	666	678	657	3.6%
2014	644	671	682	712	678	3.2%
2015	659	670	692	749	693	2.2%
2016(p)	703	698	735	749	722	4.2%

Total business establishments reported by the QCEW are displayed in Table II.92.31. Between 2015 and 2016, the total number of business establishments in Warren County increased by 4.2 percent, from 987 to 1,009 establishments.

<b>Table II.92.31</b>						
<b>Number of Business Establishments</b>						
Warren County						
BLS QCEW Data, 2001–2016(p)						
<b>Year</b>	<b>First Quarter</b>	<b>Second Quarter</b>	<b>Third Quarter</b>	<b>Fourth Quarter</b>	<b>Annual</b>	<b>% Change</b>
2001	874	883	811	817	846	
2002	820	819	810	813	816	-3.5%
2003	857	851	856	853	854	4.7%
2004	853	861	870	861	861	0.8%
2005	855	865	861	862	861	(ND)%
2006	850	871	869	865	864	0.3%
2007	862	869	881	890	876	1.4%
2008	888	898	907	907	900	2.7%
2009	898	895	893	901	897	-0.3%
2010	898	907	897	888	898	0.1%
2011	877	873	865	881	874	-2.7%
2012	892	900	916	920	907	3.8%
2013	922	933	932	928	929	2.4%
2014	947	966	982	989	971	4.5%
2015	985	991	988	982	987	1.6%
2016	990	1,007	1,015	1,023	1,009	2.2%

## Iowa Department of Revenue

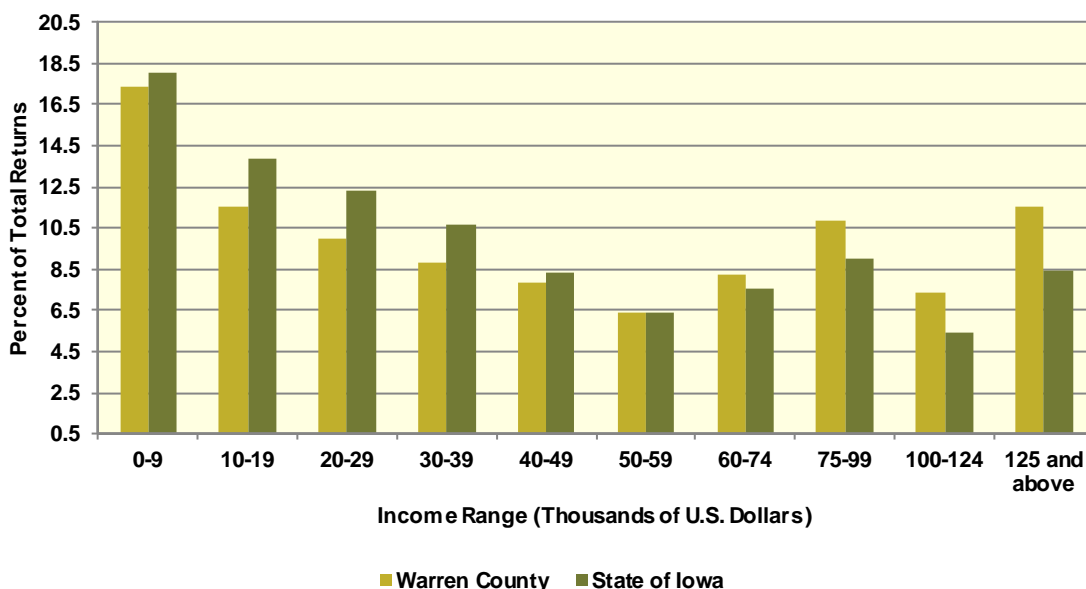
The Iowa Department of Revenue releases annual income tax statistics. Table II.92.32, shows the number of returns by adjusted gross income. For taxpayer confidentiality, if the number of returns was fewer than 5, the data was redacted. As a result the number of returns reported maybe slightly lower than the actual returns. Most redacted records occurred in the highest income brackets. The table gives an accurate measure of the income distribution in Warren County.

As can be seen, the total number of returns between 2010 and 2015 increased by 12.9 percent, with 2,502 returns reported in 2015, which was the most recent year available. Between 2010 and 2015, the adjusted gross income class that saw the largest change was \$0-9,999 with a change of 72.6 percent. This compared to the income class of \$75,000-99,999, which saw the lowest percentage change between 2010 and 2015 of 3.6 percent.

**Table II.92.32**  
**Number of Tax Returns by Adjusted Gross Income**  
 Warren County  
 Iowa DOR 2002 - 2015

Year	\$0 – 9,999	\$10,000 – 19,999	\$20,000 – 29,999	\$30,000 – 39,999	\$40,000 – 49,999	\$50,000 – 59,999	\$60,000 – 74,999	\$75,000 – 99,999	\$100,000 – 124,999	\$125,000 and above	Total
2002	3,368	2,143	2,097	1,830	1,523	1,362	1,836	1,697	562	546	16,964
2003	3,355	2,205	2,093	1,792	1,494	1,374	1,741	1,812	661	604	17,131
2004	3,358	2,144	2,089	1,754	1,491	1,341	1,771	2,002	811	738	17,499
2005	3,280	2,119	2,055	1,781	1,552	1,328	1,784	2,147	882	893	17,821
2006	3,181	2,154	2,014	1,749	1,498	1,360	1,846	2,229	1,032	1,052	18,115
2007	3,398	2,181	2,076	1,840	1,568	1,353	1,772	2,382	1,170	1,262	19,002
2008	3,340	2,149	2,048	1,822	1,579	1,330	1,775	2,333	1,285	1,359	19,020
2009	3,437	2,231	2,122	1,710	1,560	1,317	1,812	2,193	1,345	1,339	19,066
2010	3,426	2,259	2,066	1,804	1,590	1,329	1,732	2,215	1,383	1,450	19,254
2011	3,614	2,296	2,168	1,789	1,586	1,321	1,696	2,215	1,416	1,597	19,698
2012	3,533	2,391	2,138	1,808	1,553	1,353	1,745	2,262	1,354	1,812	19,949
2013	3,565	2,409	2,105	1,849	1,595	1,324	1,784	2,296	1,462	1,983	20,372
2014	3,629	2,397	2,136	1,844	1,645	1,385	1,829	2,304	1,529	2,218	20,916
2015	3,771	2,514	2,177	1,919	1,705	1,397	1,794	2,361	1,594	2,502	21,734
<b>Change 10 - 15</b>	<b>10.1%</b>	<b>11.3%</b>	<b>5.4%</b>	<b>6.4%</b>	<b>7.2%</b>	<b>5.1%</b>	<b>3.6%</b>	<b>6.6%</b>	<b>15.3%</b>	<b>72.6%</b>	<b>12.9%</b>

**Diagram II.92.7**  
**2015 Income Distribution**  
 Warren County  
 2015 Iowa DOR Data



**Poverty**

Poverty is the condition of having insufficient resources or income. In its extreme form, poverty is a lack of basic human needs, such as adequate and healthy food, clothing, housing, water, and health services. According to the Census Bureau’s Small Area Income and Poverty Estimates Program, the number of individuals in poverty decreased from 3,271 in 2010 to 3,263 in 2016, with the poverty rate reaching 6.8 percent in 2016. This compared to a state poverty rate of 11.7 percent and a national rate of 14 percent in 2016. Table II.92.33, at right, presents poverty data for the county.

Year	Persons in Poverty	Poverty Rate
2000	2,137	5.4%
2001	2,175	5.4%
2002	2,341	5.7%
2003	2,466	6%
2004	2,838	6.8%
2005	2,676	6.5%
2006	2,635	6.3%
2007	2,953	6.9%
2008	2,940	6.8%
2009	3,143	7.2%
2010	3,271	7.4%
2011	2,905	6.5%
2012	4,094	9.1%
2013	3,207	7%
2014	2,925	6.3%
2015	3,641	7.8%
2016	3,263	6.8%

The rate of poverty for Warren County is shown in Table II.92.34. In 2016, there were an estimated 3,402 persons living in poverty. This represented a 7.3 percent poverty rate, compared to 5.1 percent poverty in 2000. In 2016, some 15.3 percent of those in poverty were under age 6, and 11.9 percent were 65 or older.

<b>Table II.92.34</b>				
<b>Poverty by Age</b>				
Warren County				
2000 Census SF3 & 2016 Five-Year ACS Data				
<b>Age</b>	<b>2000 Census</b>		<b>2016 Five-Year ACS</b>	
	<b>Persons in Poverty</b>	<b>% of Total</b>	<b>Persons in Poverty</b>	<b>% of Total</b>
Under 6	299	15.2%	520	15.3%
6 to 17	430	21.8%	724	21.3%
18 to 64	1,024	51.9%	1,754	51.6%
65 or Older	220	11.2%	404	11.9%
<b>Total</b>	<b>1,973</b>	<b>100.0%</b>	<b>3,402</b>	<b>100.0%</b>
<b>Poverty Rate</b>	<b>5.1%</b>	.	<b>7.3%</b>	.

## HOUSING

The Census Bureau estimates that the total number of housing units increased by 6.4 percent in Warren County between 2010 and 2016, from 18,371 to 19,550. This compared to an estimated 3.3 percent increase statewide, as shown in Table II.92.35.

### Housing Production

The Census Bureau reports building permit authorizations and “per unit” valuation of building permits by county annually. Single-family construction usually represents most residential development in the county. Single-family building permit authorizations in Warren County increased from 244 authorizations in 2015 to 266 in 2016.

The real value of single-family building permits increased from \$261,088 in 2015 to \$277,329 in 2016. This compares to an increase in permit value statewide, with values rising from \$234,346 in 2015 to \$235,750 in 2016. Additional details are given in Table II.92.36.

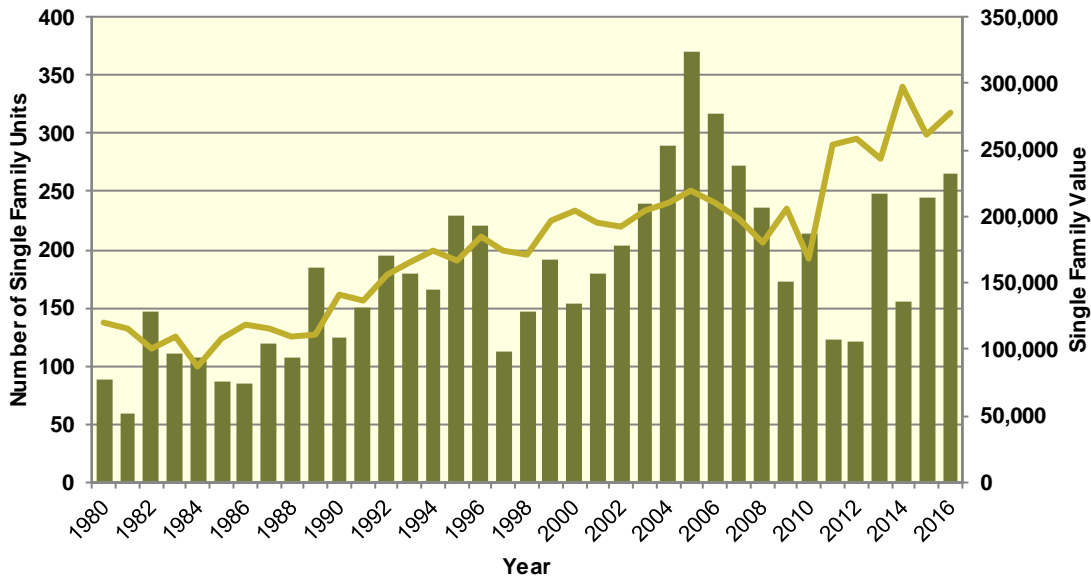
<b>Table II.92.35</b>				
<b>Housing Units</b>				
State of Iowa vs. Warren County				
2000 and 2016 Census Data and Intercensal Estimates				
<b>Subject</b>	<b>Iowa</b>	<b>% Growth Since Census</b>	<b>Warren County</b>	<b>% Growth Since Census</b>
2000 Census Base	1,232,625	.	15,291	.
2010 Census	1,336,417	8.4%	18,371	20.1%
July 2011 Estimate	1,341,974	0.4%	18,650	1.5%
July 2012 Estimate	1,346,403	0.7%	18,731	2%
July 2013 Estimate	1,353,274	1.3%	18,869	2.7%
July 2014 Estimate	1,362,458	1.9%	19,150	4.2%
July 2015 Estimate	1,370,778	2.6%	19,313	5.1%
July 2016 Estimate	1,380,162	3.3%	19,550	6.4%



<b>Table II.92.36</b> <b>Building Permits and Valuation</b> Warren County Census Bureau Data, 1980–2016							
Year	Authorized Construction in Permit Issuing Areas					Per Unit Valuation, (Real 2016\$)	
	Single-Family	Duplex Units	Tri- and Four-Plex	Multi-Family Units	Total Units	Single-Family Units	Multi-Family Units
1980	88	14	44	0	146	120,640	0
1981	59	0	0	0	59	115,040	0
1982	147	0	0	0	147	101,105	0
1983	111	2	0	0	113	109,323	0
1984	108	2	0	20	130	86,712	89,782
1985	86	0	0	18	104	108,085	79,504
1986	85	0	0	40	125	118,411	56,677
1987	120	0	28	72	220	115,781	57,826
1988	107	2	8	56	173	108,985	51,911
1989	184	6	0	12	202	111,112	75,741
1990	125	6	11	114	256	141,970	95,723
1991	150	4	0	24	178	136,480	59,293
1992	195	2	4	16	217	156,423	44,228
1993	179	6	11	16	212	164,660	44,347
1994	166	6	11	30	213	173,766	68,745
1995	229	0	4	72	305	167,152	63,701
1996	220	0	34	170	424	184,633	66,838
1997	113	0	0	0	113	174,321	0
1998	146	0	8	0	154	171,211	0
1999	192	0	12	77	281	196,924	35,854
2000	154	6	12	192	364	203,810	76,342
2001	180	2	6	0	188	195,009	0
2002	203	16	9	0	228	193,052	0
2003	239	12	12	0	263	204,744	0
2004	290	8	7	52	357	210,980	95,288
2005	370	2	0	0	372	219,141	0
2006	317	20	3	28	368	210,927	128,108
2007	273	16	3	0	292	198,142	0
2008	237	4	3	18	262	180,461	168,445
2009	173	0	0	66	239	205,932	74,598
2010	214	4	0	60	278	168,801	88,695
2011	122	2	0	0	124	254,579	0
2012	121	4	4	37	166	258,541	150,293
2013	249	12	16	32	309	242,751	101,532
2014	156	8	16	180	360	297,921	109,723
2015	244	8	8	0	260	261,088	0
2016	266	14	8	116	404	277,329	94,349

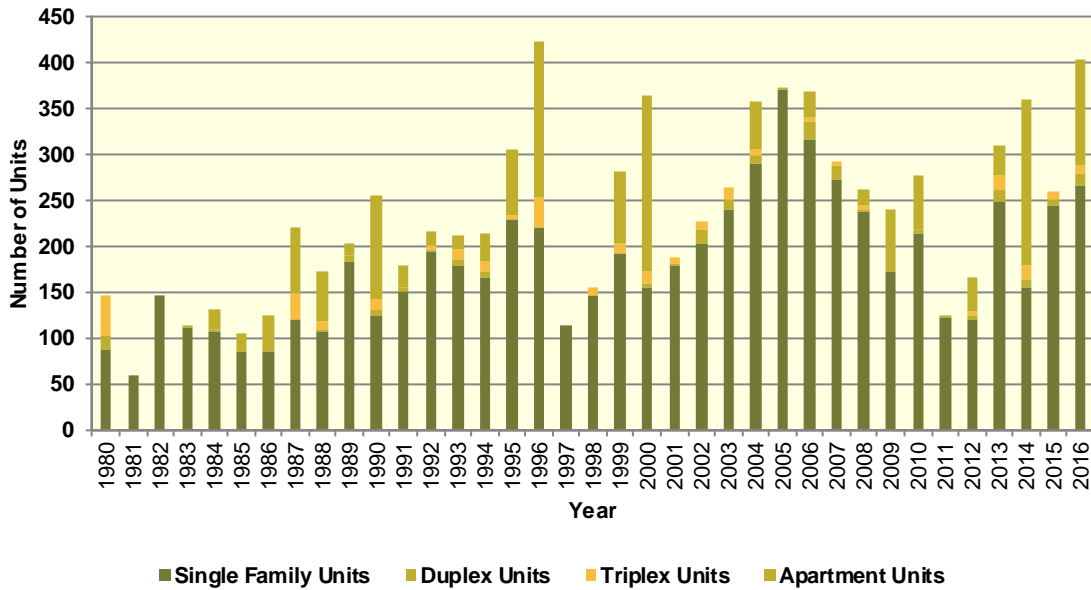
### Diagram II.92.8 Single Family Permits

Warren County  
Census Bureau Data, 1980–2016



### Diagram II.92.9 Total Permits by Unit Type

Warren County  
Census Bureau Data, 1980–2016



### Housing Characteristics

Housing types by unit are shown in Table II.92.37. In 2016, there were 19,103 housing units, up from 15,289 in 2000. Single-family units accounted for 82.3 percent of units in 2016, compared to 79.4 in 2000. Apartment units accounted for 10.7 percent in 2016, compared to 10.4 percent in 2000.

<b>Table II.92.37 Housing Units by Type</b> Warren County 2000 Census SF3 & 2016 Five-Year ACS Data				
Unit Type	2000 Census		2016 Five-Year ACS	
	Units	% of Total	Units	% of Total
Single-Family	12,136	79.4%	15,716	82.3%
Duplex	185	1.2%	115	0.6%
Tri- or Four-Plex	448	2.9%	437	2.3%
Apartment	1,597	10.4%	2,043	10.7%
Mobile Home	917	6%	792	4.1%
Boat, RV, Van, Etc.	6	0%	0	0%
<b>Total</b>	<b>15,289</b>	<b>100.0%</b>	<b>19,103</b>	<b>100.0%</b>

Some 94 percent of housing was occupied in 2010, compared to 96.2 percent in 2000. Owner-occupied housing changed 17.2 percent between 2000 and 2010, ending with owner-occupied units representing 79.8 percent of unit. Vacant units changed by 90.9 percent, resulting in 1,109 vacant units in 2010.

<b>Table II.92.38 Housing Units by Tenure</b> Warren County 2000 & 2010 Census SF1 Data					
Tenure	2000 Census		2010 Census		% Change 00-10
	Units	% of Total	Units	% of Total	
Occupied Housing Units	14,708	96.2%	17,262	94%	17.4%
Owner-Occupied	11,758	79.9%	13,776	79.8%	17.2%
Renter-Occupied	2,950	20.1%	3,486	20.2%	18.2%
Vacant Housing Units	581	3.8%	1,109	6%	90.9%
<b>Total Housing Units</b>	<b>15,289</b>	<b>100.0%</b>	<b>18,371</b>	<b>100.0%</b>	<b>20.2%</b>

Table II.92.39 shows housing units by tenure from 2010 to 2016. By 2016, there were 19,103 housing units. An estimated 76.8 percent were owner-occupied, and 4.6 percent were vacant.

<b>Table II.92.39 Housing Units by Tenure</b> Warren County 2010 Census & 2016 Five-Year ACS Data				
Tenure	2010 Census		2016 Five-Year ACS	
	Units	% of Total	Units	% of Total
Occupied Housing Units	17,262	94%	18,231	95.4%
Owner-Occupied	13,776	79.8%	13,995	76.8%
Renter-Occupied	3,486	20.2%	4,236	23.2%
Vacant Housing Units	1,109	6%	872	4.6%
<b>Total Housing Units</b>	<b>18,371</b>	<b>100.0%</b>	<b>19,103</b>	<b>100.0%</b>

Households by household size are shown in Table II.92.40. There were a total of 17,262 households in 2010, up from 14,708 in 2000. One person households changed by 30.4 percent between 2000 and 2010, while two person households changed by 21 percent. Three and four person households changed by 7.7 and 5.5 respectively, representing 16.1 percent and 15 percent of the population in 2010.

<b>Table II.92.40</b>					
<b>Households by Household Size</b>					
Warren County					
2000 & 2010 Census SF1 Data					
Size	2000 Census		2010 Census		% Change 00–10
	Households	% of Total	Households	% of Total	
One Person	2,927	19.9%	3,817	22.1%	30.4%
Two Persons	5,284	35.9%	6,396	37.1%	21%
Three Persons	2,583	17.6%	2,783	16.1%	7.7%
Four Persons	2,458	16.7%	2,594	15%	5.5%
Five Persons	1,033	7%	1,150	6.7%	11.3%
Six Persons	315	2.1%	358	2.1%	13.7%
Seven Persons or More	108	0.7%	164	1%	51.9%
<b>Total</b>	<b>14,708</b>	<b>100.0%</b>	<b>17,262</b>	<b>100.0%</b>	<b>17.4%</b>

Households by income is shown in Table II.92.41. Households earning more than \$100,000 per year represented 28.2 percent of households in 2016, compared to 9.3 percent in 2000. Households earning between \$50,000 and \$74,999 represented 20 percent of households in 2010, compared to 27.7 percent in 2000. Meanwhile, households earning less than \$15,000 accounted for 7.2 percent of households in 2016, compared to 9.4 percent in 2000.

<b>Table II.92.41</b>				
<b>Households by Income</b>				
Warren County				
2000 Census SF3 & 2016 Five-Year ACS Data				
Income	2000 Census		2016 Five-Year ACS	
	Households	% of Total	Households	% of Total
Less than \$15,000	1,380	9.4%	1,319	7.2%
\$15,000 to \$19,999	802	5.5%	658	3.6%
\$20,000 to \$24,999	826	5.6%	675	3.7%
\$25,000 to \$34,999	1,616	11%	1,558	8.5%
\$35,000 to \$49,999	2,641	18%	2,287	12.5%
\$50,000 to \$74,999	4,081	27.7%	3,643	20%
\$75,000 to \$99,999	1,992	13.5%	2,946	16.2%
\$100,000 or More	1,371	9.3%	5,145	28.2%
<b>Total</b>	<b>14,709</b>	<b>100.0%</b>	<b>18,231</b>	<b>100.0%</b>



Table II.92.42, shows households by year home built. Housing units built between 2000 and 2009, and 2010 or later, account for 19.8 percent and 4.6 percent of households, respectively. Households built in the 1970’s, 1980’s, and 1990’s account for 21.1 percent, 7.1 percent, and 13.6, respectively. Housing units built prior to 1939 represented 12.7 percent of households in 2016.

<b>Table II.92.42</b>				
<b>Households by Year Home Built</b>				
Warren County				
2000 Census SF3 & 2016 Five-Year ACS Data				
Year Built	2000 Census		2016 Five-Year ACS	
	Households	% of Total	Households	% of Total
1939 or Earlier	2,647	18%	2,310	12.7%
1940 to 1949	532	3.6%	376	2.1%
1950 to 1959	1,325	9%	1,473	8.1%
1960 to 1969	2,066	14%	1,996	10.9%
1970 to 1979	3,780	25.7%	3,839	21.1%
1980 to 1989	1,692	11.5%	1,303	7.1%
1990 to 1999	2,666	18.1%	2,471	13.6%
2000 to 2009	.	.	3,617	19.8%
2010 or Later	.	.	846	4.6%
<b>Total</b>	<b>14,708</b>	<b>100.0%</b>	<b>18,231</b>	<b>100.0%</b>

The distribution of unit types by race are shown in Table II.92.43. An estimated 83.2 percent of white households occupy single family homes, while 100 percent of black households do. Some 10.3 percent of white households occupied apartments, while 0 percent of black households do. An estimated 100 percent of Asian, and 100 percent of American Indian households occupy single family homes.

<b>Table II.92.43</b>							
<b>Distribution of Units in Structure by Race</b>							
Warren County							
2016 Five-Year ACS Data							
Unit Type	White	Black	American Indian	Asian	Native Hawaiian/Pacific Islanders	Other	Two or More Races
Single-Family	83.2%	100%	100%	100%	0%	71.3%	74.6%
Duplex	0.5%	0%	0%	0%	0%	11.7%	0%
Tri- or Four-Plex	2.2%	0%	0%	0%	0%	0%	17.4%
Apartment	10.3%	0%	0%	0%	100%	0%	8%
Mobile Home	3.8%	0%	0%	0%	0%	17%	0%
Boat, RV, Van, Etc.	0%	0%	0%	0%	0%	0%	0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

The disposition of vacant housing units in 2000 and 2010 are shown in Table II.92.44. An estimated 29.9 percent of vacant units were for rent in 2010, a 68.5 percent change since 2000. In addition, some 21.8 percent of vacant units were for sale, a change of 108.6 percent between 2000 and 2010. “Other” vacant units represented 30.4 percent of vacant units in 2010. This is a change of 93.7 percent since 2000. “Other” vacant units are not for sale or rent, or otherwise available to

the marketplace. These units may be problematic if concentrated in certain areas, and may create a “blighting” effect.

Disposition	2000 Census		2010 Census		% Change 00–10
	Units	% of Total	Units	% of Total	
For Rent	197	33.9%	332	29.9%	68.5%
For Sale	116	20%	242	21.8%	108.6%
Rented or Sold, Not Occupied	37	6.4%	89	8%	140.5%
For Seasonal, Recreational, or Occasional Use	57	9.8%	109	9.8%	91.2%
For Migrant Workers	0	0%	0	0%	0%
Other Vacant	174	29.9%	337	30.4%	93.7%
<b>Total</b>	<b>581</b>	<b>100.0%</b>	<b>1,109</b>	<b>100.0%</b>	<b>90.9%</b>

The disposition of vacant units between 2010 and 2016 are shown in Table II.92.45. By 2016, for rent units accounted for 15 percent of vacant units, while for sale units accounted for 11.1 percent. “Other” vacant units accounted for 57.6 percent of vacant units, representing a total of 502 “other” vacant units.

Disposition	2010 Census		2016 Five-Year ACS	
	Units	% of Total	Units	% of Total
For Rent	332	29.9%	131	15%
For Sale	242	21.8%	97	11.1%
Rented Not Occupied	23	2.1%	35	4%
Sold Not Occupied	66	6%	45	5.2%
For Seasonal, Recreational, or Occasional Use	109	9.8%	45	5.2%
For Migrant Workers	0	0%	17	1.9%
Other Vacant	337	30.4%	502	57.6%
<b>Total</b>	<b>1,109</b>	<b>100.0%</b>	<b>872</b>	<b>100.0%</b>

## Housing Problems

Households are classified as having housing problems if they face overcrowding, incomplete plumbing or kitchen facilities, or cost burdens. Overcrowding is defined as having from 1.1 to 1.5 people per room per residence, with severe overcrowding defined as having more than 1.5 people per room. Households with overcrowding are shown in Table II.92.46. In 2016, an estimated 1 percent of households were overcrowded, and an additional 0.1 percent were severely overcrowded.



<b>Table II.92.46</b> <b>Overcrowding and Severe Overcrowding</b> Warren County 2000 Census SF3 & 2016 Five-Year ACS Data							
Data Source	No Overcrowding		Overcrowding		Severe Overcrowding		Total
	Households	% of Total	Households	% of Total	Households	% of Total	
<b>Owner</b>							
2000 Census	11,620	98.9%	118	1%	12	0.1%	11,750
2016 Five-Year ACS	13,901	99.3%	93	0.7%	1	0%	13,995
<b>Renter</b>							
2000 Census	2,892	97.8%	61	2.1%	5	0.2%	2,958
2016 Five-Year ACS	4,129	97.5%	86	2%	21	0.5%	18,231
<b>Total</b>							
2000 Census	14,512	98.7%	179	1.2%	17	0.1%	14,708
2016 Five-Year ACS	18,030	98.9%	179	1%	22	0.1%	18,231

Incomplete plumbing and kitchen facilities are another indicator of potential housing problems. According to the Census Bureau, a housing unit is classified as lacking complete plumbing facilities when any of the following are not present: piped hot and cold water, a flush toilet, and a bathtub or shower. Likewise, a unit is categorized as deficient when any of the following are missing from the kitchen: a sink with piped hot and cold water, a range or cook top and oven, and a refrigerator.

There were a total of 22 households with incomplete plumbing facilities in 2016, representing 0.1 percent of households in Warren County. This is compared to 0.3 percent of households lacking complete plumbing facilities in 2000.

<b>Table II.92.47</b> <b>Households with Incomplete Plumbing Facilities</b> Warren County 2000 Census SF3 & 2016 Five-Year ACS Data		
Households	2000 Census	2016 Five-Year ACS
With Complete Plumbing Facilities	14,675	18,209
Lacking Complete Plumbing Facilities	33	22
<b>Total Households</b>	<b>14,708</b>	<b>18,231</b>
<b>Percent Lacking</b>	<b>0.3%</b>	<b>0.1%</b>

There were 144 households lacking complete kitchen facilities in 2016, compared to 21 households in 2000. This was a change from 0.1 percent of households in 2000 to 0.8 percent in 2016.

<b>Table II.92.48</b> <b>Households with Incomplete Kitchen Facilities</b> Warren County 2000 Census SF3 & 2016 Five-Year ACS Data		
Households	2000 Census	2016 Five-Year ACS
With Complete Kitchen Facilities	14,687	18,087
Lacking Complete Kitchen Facilities	21	144
<b>Total Households</b>	<b>14,708</b>	<b>18,231</b>
<b>Percent Lacking</b>	<b>0.1%</b>	<b>0.8%</b>

Cost burden is defined as gross housing costs that range from 30.0 to 50.0 percent of gross household income; severe cost burden is defined as gross housing costs that exceed 50.0 percent of gross household income. For homeowners, gross housing costs include property taxes, insurance, energy payments, water and sewer service, and refuse collection. If the homeowner has a

mortgage, the determination also includes principal and interest payments on the mortgage loan. For renters, this figure represents monthly rent and selected electricity and natural gas energy charges.

In Warren County, 13.8 of households had a cost burden and 8.3 percent had a severe cost burden. Some 22.9 percent of renters were cost burdened, and 17.7 percent were severely cost burdened. Owner-occupied households without a mortgage had a cost burden rate of 6.3 percent and a severe cost burden rate of 5.1 percent. Owner occupied households with a mortgage had a cost burden rate of 13 percent, and severe cost burden at 5.5 percent.

**Table II.92.49**  
**Cost Burden and Severe Cost Burden by Tenure**  
 Warren County  
 2000 Census & 2016 Five-Year ACS Data

Data Source	Less Than 30%		31%-50%		Above 50%		Not Computed		Total
	Households	% of Total	Households	% of Total	Households	% of Total	Households	% of Total	
<b>Owner With a Mortgage</b>									
2000 Census	5,361	82.3%	772	11.8%	375	5.8%	7	0.1%	6,515
2016 Five-Year ACS	7,957	81.3%	1,277	13%	543	5.5%	11	0.1%	9,788
<b>Owner Without a Mortgage</b>									
2000 Census	2,095	91.7%	140	6.1%	19	0.8%	31	1.4%	2,285
2016 Five-Year ACS	3,701	88%	266	6.3%	214	5.1%	26	0.6%	4,207
<b>Renter</b>									
2000 Census	1,836	64.9%	457	16.2%	344	12.2%	191	6.8%	2,828
2016 Five-Year ACS	2,287	54%	970	22.9%	749	17.7%	230	5.4%	4,236
<b>Total</b>									
2000 Census	9,292	79.9%	1,369	11.8%	738	6.3%	229	2%	11,628
2016 Five-Year ACS	13,945	76.5%	2,513	13.8%	1,506	8.3%	267	1.5%	18,231

**Housing Problems by Income**

Table II.92.50, at right, shows the HUD calculated Median Family Income (MFI) for a family of four for Warren County. As can be seen in 2017 the MFI was \$82,200, which compared to \$69,900 for the State of Iowa.

Table II.92.51, shows Comprehensive Housing Affordability Strategy (CHAS) data for housing problems by tenure and income. As can be seen there are a total of 1,645 owner-occupied and 835 renter-occupied households with a cost burden of greater than 30 percent and less than 50 percent. An additional 715 owner-occupied 520 renter-occupied households had a cost burden greater than 50 percent of income. Overall there are 13,495 households without a housing problem.

**Table II.92.50**  
**Median Family Income**  
 Warren County  
 2000–2017 HUD MFI

Year	MFI	State of Iowa MFI
2000	60,000	49,100
2001	64,600	52,500
2002	66,900	53,700
2003	63,900	54,900
2004	65,300	55,800
2005	68,050	57,650
2006	67,700	57,800
2007	67,700	58,100
2008	67,900	58,500
2009	71,700	62,000
2010	73,200	62,400
2011	74,500	64,000
2012	75,500	64,800
2013	72,900	64,700
2014	74,900	65,300
2015	75,000	67,500
2016	76,900	68,400
2017	82,200	69,900

**Table II.92.51**  
**Housing Problems by Income and Tenure**  
 Warren County  
 2010–2014 HUD CHAS Data

Housing Problem	Less Than 30% MFI	30% - 50% MFI	50% - 80% MFI	80% - 100% MFI	Greater than 100% MFI	Total
<b>Owner-Occupied</b>						
Lacking complete plumbing or kitchen facilities	0	0	0	0	4	4
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	10	0	0	0	10
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	4	4	45	25	20	98
Housing cost burden greater than 50% of income (and none of the above problems)	290	225	160	25	15	715
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	110	210	470	390	465	1,645
Zero/negative income (and none of the above problems)	70	0	0	0	0	70
has none of the 4 housing problems	80	440	1,300	1,250	8,115	11,185
<b>Total</b>	<b>554</b>	<b>889</b>	<b>1,975</b>	<b>1,690</b>	<b>8,619</b>	<b>13,727</b>
<b>Renter-Occupied</b>						
Lacking complete plumbing or kitchen facilities	0	40	0	4	25	69
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	25	0	0	4	29
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	10	0	0	50	0	60
Housing cost burden greater than 50% of income (and none of the above problems)	410	95	15	0	0	520
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	165	375	240	30	25	835
Zero/negative income (and none of the above problems)	40	0	0	0	0	40
has none of the 4 housing problems	170	290	710	385	755	2,310
<b>Total</b>	<b>795</b>	<b>825</b>	<b>965</b>	<b>469</b>	<b>809</b>	<b>3,863</b>
<b>Total</b>						
Lacking complete plumbing or kitchen facilities	0	40	0	4	29	73
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	35	0	0	4	39
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	14	4	45	75	20	158
Housing cost burden greater than 50% of income (and none of the above problems)	700	320	175	25	15	1,235
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	275	585	710	420	490	2,480
Zero/negative income (and none of the above problems)	110	0	0	0	0	110
has none of the 4 housing problems	250	730	2,010	1,635	8,870	13,495
<b>Total</b>	<b>1,349</b>	<b>1,714</b>	<b>2,940</b>	<b>2,159</b>	<b>9,428</b>	<b>17,590</b>

### Home Mortgage Loans

The FFEIC The Home Mortgage Disclosure Act (HMDA) was enacted by Congress in 1975. Data collected under the HMDA provide a comprehensive portrait of home loan activity, including information pertaining to home purchase loans, home improvement loans, and refinancing. For the analysis only owner-occupied originated loans for single family units were considered. As can be seen in Table II.92.52, of the 1,895 loans in 2016, 902 loans were for Home Purchases, 173 were for Home Improvement and 820 were for refinancing.

<b>Table II.92.52</b>				
<b>Owner-Occupied Single Family Home Loans by Loan Type</b>				
Warren County				
2008 – 2016 HMDA Data				
<b>Year</b>	<b>Home Purchase</b>	<b>Home Improvement</b>	<b>Refinancing</b>	<b>Total</b>
2008	539	163	718	1,420
2009	532	109	1,516	2,157
2010	454	127	1,200	1,781
2011	447	98	1,067	1,612
2012	464	97	1,472	2,033
2013	626	120	1,008	1,754
2014	661	128	395	1,184
2015	846	154	601	1,601
2016	902	173	820	1,895

Table II.92.53, shows the average loan value by loan type. In 2008, average home purchase loans was \$168,330 in 2012 and \$181,916 in 2016. Overall, average loans were \$142,290 in 2008 and \$171,817 in 2016.

<b>Table II.92.53</b>				
<b>Owner-Occupied Single Family Home Loans by Average Loan Amount</b>				
Warren County				
2008 – 2016 HMDA Data				
<b>Year</b>	<b>Home Purchase</b>	<b>Home Improvement</b>	<b>Refinancing</b>	<b>Total</b>
2008	\$153,464	\$56,135	\$153,461	\$142,290
2009	\$155,008	\$49,560	\$168,490	\$159,155
2010	\$155,033	\$47,709	\$160,756	\$151,236
2011	\$149,432	\$42,684	\$147,963	\$141,970
2012	\$168,330	\$56,361	\$154,928	\$153,284
2013	\$175,669	\$47,633	\$141,936	\$147,523
2014	\$171,349	\$36,836	\$147,061	\$148,704
2015	\$184,278	\$38,260	\$159,707	\$161,009
2016	\$181,916	\$59,422	\$184,422	\$171,817

Table II.92.54, shows the total volume of owner-occupied single family loans. In 2008, average home purchase loans was \$78,105,000 in 2012 and \$164,088,000 in 2016. Overall, average loans were \$202,052,000 in 2008 and \$325,594,000 in 2016.

<b>Table II.92.54</b>				
<b>Total Volume of Owner-Occupied Single Family Loans</b>				
Warren County				
2008 – 2016 HMDA Data				
<b>Year</b>	<b>Home Purchase</b>	<b>Home Improvement</b>	<b>Refinancing</b>	<b>Total</b>
2008	\$82,717,000	\$9,150,000	\$110,185,000	\$202,052,000
2009	\$82,464,000	\$5,402,000	\$255,431,000	\$343,297,000
2010	\$70,385,000	\$6,059,000	\$192,907,000	\$269,351,000
2011	\$66,796,000	\$4,183,000	\$157,877,000	\$228,856,000
2012	\$78,105,000	\$5,467,000	\$228,054,000	\$311,626,000
2013	\$109,969,000	\$5,716,000	\$143,071,000	\$258,756,000
2014	\$113,262,000	\$4,715,000	\$58,089,000	\$176,066,000
2015	\$155,899,000	\$5,892,000	\$95,984,000	\$257,775,000
2016	\$164,088,000	\$10,280,000	\$151,226,000	\$325,594,000

### Survey of Rental Properties

From September through December of 2017, a telephone survey was conducted with landlords and rental property managers throughout Iowa. Table II.92.55 presents some basic statistics about the completed surveys.

<b>Table II.92.55</b>				
<b>Survey of Rental Properties</b>				
Warren County				
2017 Survey of Rental Properties				
<b>Year</b>	<b>Completed Surveys</b>	<b>Total Units</b>	<b>Vacancy Rate</b>	<b>Absorption Rate</b>
2017	8	912	1.4	21.5

Table II.92.56, shows the amount of total and vacant units with their associated vacancy rates. There were 912 apartment units reported in the survey, with 13 of them available, which resulted in a vacancy rate of 1.4 percent. This compares to a statewide vacancy rate of 6.7 percent for apartment units across the state.

<b>Table II.92.56</b>			
<b>Rental Vacancy Survey by Type</b>			
Warren County			
2017 Survey of Rental Properties			
<b>Unit Type</b>	<b>Total Units</b>	<b>Vacant Units</b>	<b>Vacancy Rate</b>
Single Family	0	0	0%
Apartments	912	13	1.4%
Mobile Homes	0	0	0%
“Other” Units	0	0	0%
Don’t Know	0	0	0%
<b>Total</b>	<b>912</b>	<b>13</b>	<b>1.4%</b>

Table II.92.57, reports units by bedroom size. As can be seen there were 312 two bedroom apartment units and 18 three bedroom units. Overall, the 312 two bedroom units accounted for 34.2 percent of all units, and the 18 three bedroom units accounted for 2 percent. Several respondents choose not to provide bedroom sizes, which accounted for the 384 units listed as “Don’t Know”. Additional details for additional unit types are reported.

<b>Table II.92.57</b> <b>Rental Units by Bedroom Size</b> Warren County 2017 Survey of Rental Properties						
Number of Bedrooms	Single Family Units	Apartment Units	Mobile Homes	“Other” Units	Don’t Know	Total
Efficiency	0	20	0	0	·	20
One	0	178	0	0	·	178
Two	0	312	0	0	·	312
Three	0	18	0	0	·	18
Four	0	0	0	0	·	0
Don’t Know	0	384	0	0	0	384
<b>Total</b>	<b>0</b>	<b>912</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>912</b>

Table II.92.58 displays the vacancy rate of apartment units by the number of bedrooms. The most common apartment units were Two-bedroom units, which had a vacancy rate of 1.3 percent.

<b>Table II.92.58</b> <b>Apartment Units by Bedroom Size</b> Warren County 2017 Survey of Rental Properties			
Number of Bedrooms	Units	Available Units	Vacancy Rates
Efficiency	20	0	0%
One	178	1	0.6%
Two	312	4	1.3%
Three	18	0	0%
Four	0	0	0%
Don’t know	384	8	2.1%
<b>Total</b>	<b>912</b>	<b>13</b>	<b>1.4%</b>

Average market-rate rents by unit type are shown in Table II.92.59. Not all respondents were able to disclose the rental amounts for their units, so there may be some statistical aberrations in the computed rental rates, but generally those units with more bedrooms had higher rents.

<b>Table II.92.59</b> <b>Average Market Rate Rents by Bedroom Size</b> Warren County 2017 Survey of Rental Properties					
Number of Bedrooms	Single Family Units	Apartment Units	Mobile Homes	“Other” Units	Total
Efficiency	\$0	\$0	\$0	\$0	\$0
One	\$0	\$575	\$0	\$0	\$575
Two	\$0	\$650	\$0	\$0	\$650
Three	\$0	\$750	\$0	\$0	\$750
Four	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$0</b>	<b>\$744.6</b>	<b>\$0</b>	<b>\$0</b>	<b>\$744.6</b>



The average rent and availability of apartment units is displayed in Table II.92.60. The most common rent for apartment rents was between 500 and 750 dollars and the units in this price range had a vacancy rate of 1 percent.

<b>Table II.92.60</b> <b>Apartment Market Rate Rents by Vacancy Status</b> Warren County 2017 Survey of Rental Properties			
Average Rents	Apartment Units	Available Apartment Units	Vacancy Rate
Less Than \$500	0	0	0%
\$500 to \$750	526	5	1%
\$750 to \$1,000	114	4	3.5%
\$1,000 to \$1,250	0	0	0%
\$1,250 to \$1,500	0	0	0%
Above \$1,500	0	0	0%
Missing	272	4	1.5%
<b>Total</b>	<b>912</b>	<b>13</b>	<b>1.4%</b>

Respondents were asked if utilities are included in the rent and as shown in Table II.92.61 7 respondents, or 100 percent, included some sort of utility in the rent.

<b>Table II.92.61</b> <b>Are there any utilities included with the rent?</b> Warren County 2017 Survey of Rental Properties	
Period	Respondent
Yes	7
No	0
<b>% Offering Utilities</b>	<b>100%</b>

The type of utility included in the rent is shown in Table II.92.62. There were 1 respondent who included electricity, 1 respondent who included natural gas, 7 respondents who included water and sewer and 7 respondents included trash collection in the rent.

<b>Table II.92.62</b> <b>Which utilities are included with the rent?</b> Warren County 2017 Survey of Rental Properties	
Type of Utility Provided	Respondent
Electricity	1
Natural Gas	1
Water/Sewer	7
Trash Collection	7

### Accessible Rental Properties

The survey also asked respondents if any of their units were accessible to persons with disabilities. As can be seen in, Table II.92.63, there were 90 accessible apartment units. Respondents also indicated there were a total of 4 persons with disabilities currently residing in accessible units.

<b>Table II.92.63</b>						
<b>Accessible Units by Bedroom Size</b>						
Warren County						
2017 Survey of Rental Properties						
<b>Number of Bedrooms</b>	<b>Single Family Units</b>	<b>Apartment Units</b>	<b>Mobile Homes</b>	<b>“Other” Units</b>	<b>Don’t Know</b>	<b>Total</b>
Efficiency	0	0	0	0		0
One	0	7	0	0		7
Two	0	11	0	0		11
Three	0	0	0	0		0
Four	0	0	0	0		0
Don’t Know	0	72	0	0	0	72
<b>Total</b>	<b>0</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>

Table II.92.64, shows the breakdown of accessible and not accessible apartment units by bedroom size. As can be seen 3.5 percent or 11 two bedroom apartment units are accessible, with 0 percent of three bedroom units were considered accessible. Overall, 9.9 percent of all apartment units were considered accessible by survey respondents.

<b>Table II.92.64</b>				
<b>Apartment Units by Accessibility and Bedroom Size</b>				
Warren County				
2017 Survey of Rental Properties				
<b>Number of Bedrooms</b>	<b>Not Accessible</b>	<b>Accessible Units</b>	<b>Apartment Units</b>	<b>Percentage Accessible</b>
Studio	20	0	20	0%
One	171	7	178	3.9%
Two	301	11	312	3.5%
Three	18	0	18	0%
Four	0	0	0	0%
Don’t know	312	72	384	18.8%
<b>Total</b>	<b>822</b>	<b>90</b>	<b>912</b>	<b>9.9%</b>



### Perceived Need for Rental Units

Table II.92.65, at right, shows the number of survey respondents who keep a waiting list. As can be seen 5 respondents said they keep a waitlist, with an estimated 66 number of persons on the wait list.

<b>Table II.92.65</b> <b>Do you keep a waiting list?</b> Warren County 2017 Survey of Rental Properties	
Period	Respondent
Yes	5
No	1
<b>Waitlist Size</b>	<b>66</b>

Respondents were also asked how they would rate the need for renovating existing units. As shown in Table II.92.66, 0 respondents said there was no need for renovating single family units, with 0 respondents saying there was extreme need for renovating single family units. Likewise, 0 respondents indicated no need for renovating existing apartment units, with 0 respondents saying there was extreme need for renovating existing apartment units.

<b>Table II.92.66</b> <b>How would you rate the need for renovation of existing units in the city?</b> Warren County 2017 Survey of Rental Properties				
Need	Single Family	Apartments	Mobile Homes	Other Units
No Need	0	0	0	0
Low Need	0	1	0	0
Moderate Need	1	1	1	1
High Need	0	0	0	0
Extreme Need	0	0	0	0
<b>Average Need</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>3</b>

Respondents were also asked how they would rate the need for the constructing new units. As shown in Table II.92.67, 0 respondents said there was no need for new single family units, with 0 respondents saying there was extreme need for constructing new single family units. Likewise, 0 respondents indicated no need for new apartment units, with 0 respondents saying there was extreme need for constructing new apartment units.

<b>Table II.92.67</b> <b>How would you rate the need for construction of new units in the city?</b> Warren County 2017 Survey of Rental Properties				
Need	Single Family	Apartments	Mobile Homes	Other Units
No Need	0	0	0	0
Low Need	1	1	1	1
Moderate Need	1	1	0	0
High Need	0	0	0	0
Extreme Need	0	0	0	0
<b>Average Need</b>	<b>2.5</b>	<b>2.5</b>	<b>2</b>	<b>2</b>

The 2017 Housing Needs Forecast reports housing demand projections from 2017 to 2050. Three possible economic futures portraying moderate, strong, and very strong growth were used to create

three forecasts. The strong scenario is the base case, representing conditions as of today. The *moderate growth* scenario forecast projects household growth with the assumption of slower population and employment growth, where the *very strong growth* scenario incorporates assumptions of much stronger employment and population growth over the forecast horizon.

The primary objective of offering three alternative forecasts is to enhance planning capacity and to provide additional tools in order to assist state and local governments in their ongoing housing needs assessment, thereby facilitating informed discussion about housing demand at the local community level. These forecasts prove useful when interpreting the need for new or rehabilitated housing and whether single-family or rental housing activities might be best undertaken.

All three forecasts span the period of 2016 through 2050 and offer predictions of the demand for housing. However, only the strong growth scenario is reported here. The moderate and very strong scenarios are reported in the appendix.

This report uses the modified population projections based on projections released from Woods & Poole Economic, Inc (W&P).

Income categories were calculated using the Housing and Urban Development CHAS (Comprehensive Housing Affordability Strategy) data and are expressed as a percentage of area Median Family Income (MFI). This distribution is assumed to remain constant over the forecast horizon. Homeownership rates were forecasted based on historical trends.

Table II.92.68, shows the *strong growth scenario* for the Warren County. As can be seen there were 13,995 owner-occupied and 4,236 renter-occupied households in 2016, for a total of 18,231 households. In 2030, there will be a projected 21,813 households, of which 17,450 are projected to be owner occupied and the remaining 4,363 are expected to be renter-occupied.

By 2050, there are projected to be 20,175 owner-occupied households, of which 807 owner-occupied households are expected to have incomes of 0-30 percent of MFI and 2,895 are projected to have incomes of 50.1-80.0 percent of MFI. In 2050, there are projected to be 4,900 renter households, of which 1,003 renter households are expected to have incomes between 0 and 30.0 percent of median family income 1,232 renter households with incomes between 50.1-80.0 percent of MFI. Overall households are projected to reach 25,075 occupied units by 2050, of which 1,810 are expected to have incomes on between 0 and 30 percent of MFI.



**Table II.92.68**  
**Housing Demand Forecast**  
 Warren County  
 Strong Growth Scenario

<b>Income (% of MFI)</b>	<b>2016</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
<b>Owner</b>								
0-30%	560	643	667	698	727	755	781	807
30.1-50%	907	1,043	1,082	1,131	1,179	1,223	1,266	1,308
50.1-80%	2,008	2,308	2,395	2,504	2,609	2,708	2,803	2,895
80.1-95%	1,397	1,605	1,665	1,741	1,814	1,883	1,949	2,013
95.1-115%	1,417	1,629	1,690	1,767	1,841	1,911	1,977	2,043
115+%	7,706	8,858	9,190	9,609	10,012	10,392	10,755	11,110
<b>Total</b>	<b>13,995</b>	<b>16,086</b>	<b>16,689</b>	<b>17,450</b>	<b>18,181</b>	<b>18,872</b>	<b>19,532</b>	<b>20,175</b>
<b>Renter</b>								
0-30%	867	841	863	893	923	951	978	1,003
30.1-50%	900	873	895	927	958	988	1,015	1,041
50.1-80%	1,065	1,032	1,059	1,097	1,133	1,168	1,201	1,232
80.1-95%	406	394	404	418	432	446	458	470
95.1-115%	346	335	344	356	368	379	390	400
115+%	652	632	649	672	694	715	735	754
<b>Total</b>	<b>4,236</b>	<b>4,107</b>	<b>4,213</b>	<b>4,363</b>	<b>4,509</b>	<b>4,648</b>	<b>4,778</b>	<b>4,900</b>
<b>Total</b>								
0-30%	1,427	1,484	1,530	1,591	1,650	1,706	1,759	1,810
30.1-50%	1,807	1,916	1,977	2,058	2,137	2,211	2,281	2,349
50.1-80%	3,073	3,341	3,454	3,601	3,742	3,876	4,004	4,127
80.1-95%	1,803	1,999	2,069	2,160	2,247	2,329	2,407	2,483
95.1-115%	1,763	1,964	2,034	2,123	2,209	2,290	2,367	2,443
115+%	8,359	9,490	9,838	10,280	10,706	11,108	11,491	11,864
<b>Total</b>	<b>18,231</b>	<b>20,193</b>	<b>20,902</b>	<b>21,813</b>	<b>22,690</b>	<b>23,520</b>	<b>24,309</b>	<b>25,075</b>