

**VOLUME II:
DES MOINES COUNTY**

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Des Moines County

DEMOGRAPHICS

Population Estimates

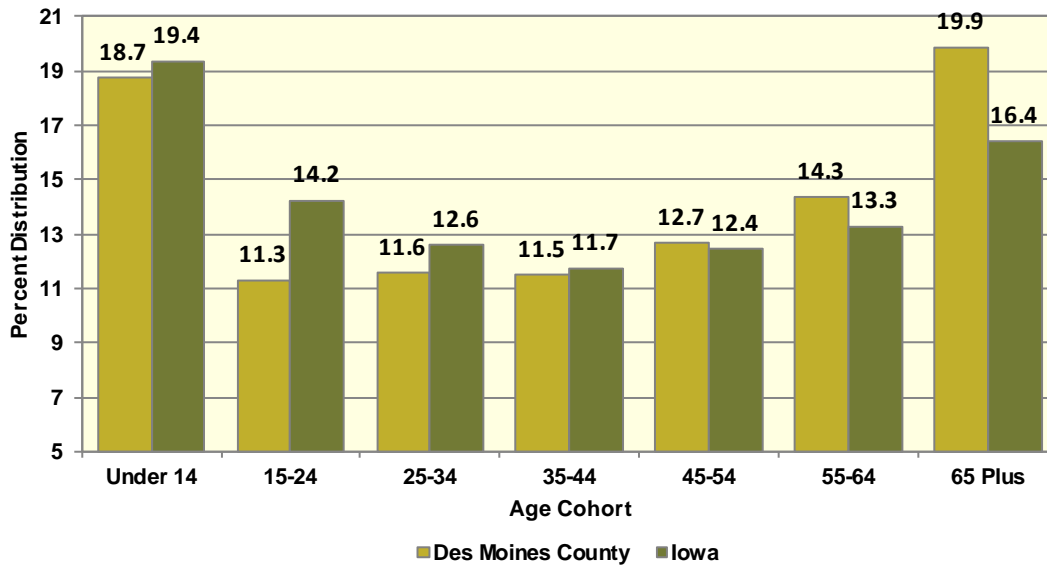
The Census Bureau’s current census estimates indicate that Des Moines County’s population decreased from 40,325 in 2010 to 39,739 in 2016, or by 1.5 percent. This compares to a statewide population change of 2.9 percent over the period. The number of people from 25 to 34 years of age decreased by 3.7 percent, and the number of people from 55 to 64 years of age increased by 3.6 percent. The white population decreased by 2.8 percent, while the black population increased by 10.9 percent. The Hispanic population increased from 1,042 to 1,252 people between 2010 and 2016 or by 20.2 percent. These data are presented in Table II.30.1.

Table II.30.1						
Profile of Population Characteristics						
Des Moines County vs. State of Iowa						
2010 Census and 2016 Current Census Estimates						
Subject	Des Moines County			Iowa		
	2010 Census	Jul-16	% Change	2010 Census	Jul-16	% Change
Population	40,325	39,739	-1.5%	3,046,355	3,134,693	2.9%
Age						
Under 14 years	7,764	7,448	-4.1%	603,673	607,020	0.6%
15 to 24 years	4,587	4,492	-2.1%	430,187	445,808	3.6%
25 to 34 years	4,774	4,596	-3.7%	382,583	394,373	3.1%
35 to 44 years	4,671	4,563	-2.3%	364,548	367,535	0.8%
45 to 54 years	5,928	5,036	-15%	439,726	389,744	-11.4%
55 to 64 years	5,505	5,702	3.6%	372,750	415,998	11.6%
65 and Over	7,096	7,902	11.4%	452,888	514,215	13.5%
Race						
White	36,962	35,928	-2.8%	2,839,615	2,864,884	0.9%
Black	2,068	2,294	10.9%	91,695	114,874	25.3%
American Indian and Alaskan Native	106	128	20.8%	13,563	15,924	17.4%
Asian	294	343	16.7%	54,232	78,735	45.2%
Native Hawaiian or Pacific Islander	21	18	-14.3%	2,419	3,592	48.5%
Two or more races	874	1,028	17.6%	44,831	56,684	26.4%
Ethnicity (of any race)						
Hispanic or Latino	1,042	1,252	20.2%	151,544	182,606	20.5%

Table II.30.2, presents the population of Des Moines County by age and gender from the 2010 Census and 2016 current census estimates. The 2010 Census count showed a total of 19,600 males, who accounted for 48.6 percent of the population, and the remaining 51.4 percent, or 20,725 persons, were female. In 2016, the number of males rose to 19,440 persons, and accounted for 48.9 percent of the population, with the remaining 51.1 percent, or 20,299 persons being female.

Table II.30.2 Population by Age and Gender Des Moines 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	3,927	3,837	7,764	3,772	3,676	7,448	-4.1%
15 to 24 years	2,330	2,257	4,587	2,330	2,162	4,492	-2.1%
25 to 34 years	2,376	2,398	4,774	2,247	2,349	4,596	-3.7%
35 to 44 years	2,344	2,327	4,671	2,293	2,270	4,563	-2.3%
45 to 54 years	2,344	2,327	4,671	2,293	2,270	4,563	-2.3%
55 to 64 years	2,931	2,997	5,928	2,483	2,553	5,036	-15%
65 and Over	2,712	2,793	5,505	2,804	2,898	5,702	3.6%
Total	19,600	20,725	40,325	19,440	20,299	39,739	-1.5%
% of Total	48.6%	51.4%	.	48.9%	51.1%	.	

Diagram II.30.1
Age Distribution
Des Moines County
2016 Census Population Estimates



According to data from the Census Bureau, between 1990 and 2000, the population in Des Moines County decreased from 42,614 to 42,351 persons, or by -0.6 percent. Between 2000 and 2010, Des Moines County population, changed by -2,026 persons, to a total population of 40,325 persons. The most recent estimates indicated that Des Moines County’s population fell an additional -586 persons since the 2010 Census, to 39,739 persons in July 2016.

Table II.30.3 Population Estimates: Births, Deaths, and Migration Des Moines County 1990-2010 Census Data and Intercensal Estimates	
1990 Census	42,614
Natural Increase 90-00	1,156
Net Migration 90-00	-1,419
2000 Census	42,351
Natural Increase 00-09	855
Net Migration 00-09	-2,827
2009 Population Estimate	40,379
2010 Census	40,325
Natural Increase 10-16	50
Net Migration 10-16	-636
2016 Population Estimate	39,739

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.30.3, Des Moines County had a natural increase, of 1,156 persons between 1990 and 2000. During the April 2000 to July 2009 period, Des Moines County’s natural increase was estimated at 855 persons. Between 2010 and 2016, the natural increase was estimated at 50 persons, and the net migration was -636 persons.

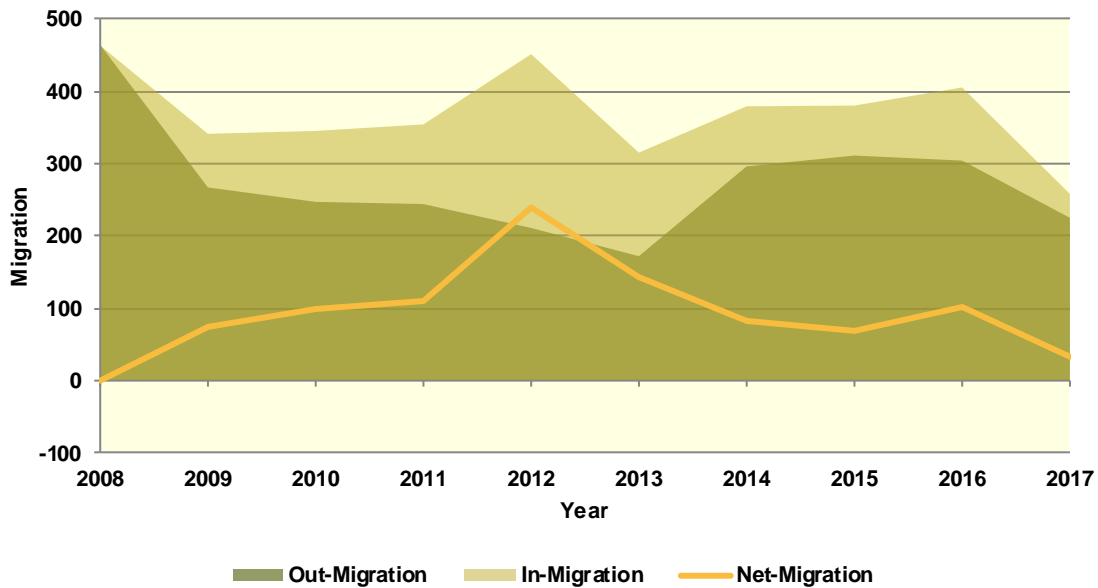
Population Migration Trends

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.30.4 in 2008 there was a total of 463 in-migrations with a total of 464 out-migrations, which led to a net-migration of -1 persons. The most recent first half 2017 data saw a net-migration of 33 persons, with 258 persons entering Des Moines County and 225 persons leaving Des Moines County.

Diagram II.30.2, 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 2012 with 240 people entering and the migration lowest net migration occurred in 2008 with 1 entering Des Moines County.

Diagram II.30.2
Net In-migration by Gender
 Des Moines County
 Iowa DOT Data: 2008 – First Half 2017



The IOWADOT data also collects gender and age information. Table II.30.4, shows in- and out-migration by gender. In the most recent first half 2017 data, 33 percent of net-migrants, or 11 persons were male, with the remaining 67 percent, or 22 persons were female.

Gender	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017-First Half
In										
Male	205	167	165	189	208	157	170	191	222	121
Female	258	174	180	165	243	158	209	189	183	137
Total	463	341	345	354	451	315	379	380	405	258
Out										
Male	194	129	124	118	100	80	130	154	146	110
Female	270	138	123	126	111	92	166	157	158	115
Total	464	267	247	244	211	172	296	311	304	225
Net										
Male	11	38	41	71	108	77	40	37	76	11
Female	-12	36	57	39	132	66	43	32	25	22
Total	-1	74	98	110	240	143	83	69	101	33

Table II.30.5, shows net-migration for Des Moines County by age range. The largest age cohort in the most recent 2017 net migration data was those in the age range of 46 to 55, with 13 persons entering Des Moines County. Those in the age range of 23 to 25 had the lowest levels of net migration, with 4 persons leaving Des Moines County.

Table II.30.5										
Migration by Age Range										
Des Moines County										
Iowa DOT Data										
Age Range	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017 – First Half
In										
14-17	1	2	6	0	6	2	5	3	2	1
18-22	60	51	52	50	71	36	37	40	34	28
23-25	51	38	29	39	59	43	55	42	49	23
26-35	135	86	92	97	129	92	103	127	108	69
36-45	96	57	62	63	69	43	57	62	72	44
46-55	70	53	44	57	59	53	55	56	63	41
56-65	29	35	33	29	41	34	42	30	47	28
66 +	21	19	27	19	17	12	25	20	30	24
Total	463	341	345	354	451	315	379	380	405	258
Out										
14-17	4	0	1	2	1	2	4	2	3	2
18-22	54	38	30	29	23	25	24	30	33	23
23-25	77	38	30	40	22	12	36	33	40	27
26-35	119	75	73	78	64	58	92	100	90	71
36-45	80	48	36	29	46	21	51	58	45	34
46-55	66	29	33	33	29	26	41	32	40	28
56-65	46	25	28	19	17	18	31	34	37	22
66 +	18	14	16	14	9	10	17	22	16	18
Total	464	267	247	244	211	172	296	311	304	225
Net										
14-17	-3	2	5	-2	5	0	1	1	-1	-1
18-22	6	13	22	21	48	11	13	10	1	5
23-25	-26	0	-1	-1	37	31	19	9	9	-4
26-35	16	11	19	19	65	34	11	27	18	-2
36-45	16	9	26	34	23	22	6	4	27	10
46-55	4	24	11	24	30	27	14	24	23	13
56-65	-17	10	5	10	24	16	11	-4	10	6
66 +	3	5	11	5	8	2	8	-2	14	6
Total	-1	74	98	110	240	143	83	69	101	33

School Age Enrollment

Table II.30.6, show the school enrollment from the Iowa Department of Education for Des Moines County. The school enrollment figures below are for both public and private schools. As can be seen in 2010 total enrollment was 6,895 students and was 6,906 in 2017, a change of 0.2 percent. Enrollment for students in grades 1 to 5 was 2,474 students in 2010 and 2,596 in 2017, which was a change of 4.9 percent. Likewise, 2010 enrollment for students in grades 9 to 12 was 2,114 and 1,997 in 2017, which was a change of -5.5 percent.

Table II.30.6
School Enrollment
 Des Moines County
 Iowa Department of Education

Year	Pre-K/K	Grades 1 - 5	Grades 6 - 8	Grades 9 - 12	Special Ed.	Total
2000	558	2,780	1,630	2,371	757	7,637
2001	534	2,728	1,604	2,221	308	7,395
2002	532	2,665	1,655	2,203	216	7,271
2003	565	2,552	1,647	2,169	228	7,161
2004	543	2,538	1,659	2,165	25	6,930
2005	508	2,502	1,625	2,158	39	6,793
2006	654	2,469	1,609	2,196	34	6,928
2007	640	2,474	1,569	2,176	30	6,859
2008	678	2,487	1,477	2,241	83	6,883
2009	752	2,495	1,461	2,158	165	6,798
2010	812	2,474	1,495	2,114	240	6,895
2011	833	2,494	1,487	2,075	299	6,889
2012	889	2,508	1,500	2,110	311	7,007
2013	931	2,574	1,494	2,153	341	7,152
2014	904	2,591	1,501	2,099	329	7,095
2015	860	2,655	1,485	2,056	295	7,056
2016	837	2,624	1,476	2,062	329	6,999
2017	826	2,596	1,487	1,997	302	6,906
% Change 10-17	1.7%	4.9%	-0.5%	-5.5%	25.8%	0.2%

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.30.7, shows population by age for the 2000 and 2010 Census. The population changed by -4.8 percent overall between 2000 and 2010. Various age cohorts changed at different rates. The elderly population, or persons aged 65 or older, changed by 0.4 percent to a total of 7,096 persons in 2010. Those aged 25 to 34 changed by -2.7 percent, and those aged under 5 changed by -0.9 percent.

Table II.30.7					
Population by Age					
Des Moines County					
2000 & 2010 Census SF1 Data					
Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
Under 5	2,662	6.3%	2,638	6.5%	-0.9%
5 to 19	8,895	21%	7,672	19%	-13.7%
20 to 24	2,357	5.6%	2,041	5.1%	-13.4%
25 to 34	4,904	11.6%	4,774	11.8%	-2.7%
35 to 54	12,342	29.1%	10,599	26.3%	-14.1%
55 to 64	4,124	9.7%	5,505	13.7%	33.5%
65 or Older	7,067	16.7%	7,096	17.6%	0.4%
Total	42,351	100.0%	40,325	100.0%	-4.8%

The elderly population is further explored in Table II.30.8. Those aged 65 to 66 changed by 28.7 percent between 2000 and 2010, resulting in a population of 816 persons. Those aged 85 or older changed by 14.3 percent during the same time period, and resulted in 1,185 persons over age 85 in 2010.

Table II.30.8					
Elderly Population by Age					
Des Moines County					
2000 & 2010 Census SF1 Data					
Age	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
65 to 66	634	9%	816	11.5%	28.7%
67 to 69	1,016	14.4%	1,164	16.4%	14.6%
70 to 74	1,678	23.7%	1,549	21.8%	-7.7%
75 to 79	1,631	23.1%	1,301	18.3%	-20.2%
80 to 84	1,071	15.2%	1,081	15.2%	0.9%
85 or Older	1,037	14.7%	1,185	16.7%	14.3%
Total	7,067	100.0%	7,096	100.0%	0.4%

Population by race and ethnicity is shown in Table II.30.9. The white population changed by -7.5 percent between 2000 and 2010, and resulted in representing 91 percent of the population in 2010. The black population changed by 35.5 percent, represented 5.1 percent of the population in 2010. The American Indian and Asian populations represented 0.2 and 0.7 percent, respectively, in 2010. As for ethnicity, the Hispanic population changed by 40.8 percent between 2000 and 2010, compared to the -5.6 percent growth rate for non-Hispanics.

Table II.30.9					
Population by Race and Ethnicity					
Des Moines County					
2000 & 2010 Census SF1 Data					
Race	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
White	39,679	93.7%	36,704	91%	-7.5%
Black	1,511	3.6%	2,048	5.1%	35.5%
American Indian	104	0.2%	99	0.2%	-4.8%
Asian	251	0.6%	290	0.7%	15.5%
Native Hawaiian/ Pacific Islander	16	0%	21	0.1%	31.2%
Other	289	0.7%	232	0.6%	-19.7%
Two or More Races	501	1.2%	931	2.3%	85.8%
Total	42,351	100.0%	40,325	100.0%	-4.8%
Hispanic	740	1.7%	1,042	2.6%	40.8%
Non-Hispanic	41,611	98.3%	39,283	97.4%	-5.6%

Population by race and ethnicity through 2016 is shown in Table II.30.10. The white population represented 90.9 percent of the population in 2016, compared with black households accounting for 5.6 percent of the population. Hispanic households represented 2.9 percent of the population in 2016.

Table II.30.10				
Population by Race and Ethnicity				
Des Moines County				
2010 Census & 2016 Five-Year ACS				
Race	2010 Census		2016 Five-Year ACS	
	Population	% of Total	Population	% of Total
White	36,704	91%	36,446	90.9%
Black	2,048	5.1%	2,239	5.6%
American Indian	99	0.2%	68	0.2%
Asian	290	0.7%	179	0.4%
Native Hawaiian/ Pacific Islander	21	0.1%	0	0%
Other	232	0.6%	92	0.2%
Two or More Races	931	2.3%	1,090	2.7%
Total	40,325	100.0%	40,114	100.0%
Non-Hispanic	39,283	97.4%	38,967	97.1%
Hispanic	1,042	2.6%	1,147	2.9%

The population by race is broken down further by ethnicity in Table II.30.11. While the white non-Hispanic population changed by -8.3 percent between 2000 and 2010, the white Hispanic population changed by 73.9 percent. The black non-Hispanic population changed by 34.7 percent, while the black Hispanic population changed by 87 percent.

Table II.30.11					
Population by Race and Ethnicity					
Des Moines County					
2000 & 2010 Census Data					
Race	2000		2010 Census		% Change 00 - 10
	Population	% of Total	Population	% of Total	
Non-Hispanic					
White	39,308	94.5%	36,059	91.8%	-8.3%
Black	1,488	3.6%	2,005	5.1%	34.7%
American Indian	93	0.2%	88	0.2%	-5.4%
Asian	245	0.6%	285	0.7%	16.3%
Native Hawaiian/ Pacific Islander	11	0%	18	0%	63.6%
Other	39	0.1%	25	0.1%	-35.9%
Two or More Races	427	1%	803	2%	88.1%
Total Non-Hispanic	41,611	100.0%	39,283	100.0%	-5.6%
Hispanic					
White	371	50.1%	645	61.9%	73.9%
Black	23	3.1%	43	4.1%	87%
American Indian	11	1.5%	11	1.1%	0%
Asian	6	0.8%	5	0.5%	-16.7%
Native Hawaiian/ Pacific Islander	5	0.7%	3	0.3%	-40%
Other	250	33.8%	207	19.9%	-17.2%
Two or More Races	74	10%	128	12.3%	73%
Total Hispanic	740	100.0%	1,042	100.0%	40.8 %
Total Population	42,351	100.0%	40,325	100.0%	-4.8%

The change in race and ethnicity between 2010 and 2016 is shown in Table II.30.12. During this time, the total non-Hispanic population was 38,967 persons in 2016. The Hispanic population was 1,147.

Table II.30.12				
Population by Race and Ethnicity				
Des Moines County				
2010 Census & 2016 Five-Year ACS				
Race	2010 Census		2016 Five-Year ACS	
	Population	% of Total	Population	% of Total
Non-Hispanic				
White	36,059	91.8%	35,444	91%
Black	2,005	5.1%	2,221	5.7%
American Indian	88	0.2%	68	0.2%
Asian	285	0.7%	179	0.5%
Native Hawaiian/ Pacific Islander	18	0%	0	0%
Other	25	0.1%	0	0%
Two or More Races	803	2%	1,055	2.7%
Total Non-Hispanic	39,283	100.0%	38,967	100.0%
Hispanic				
White	645	61.9%	1,002	87.4%
Black	43	4.1%	18	1.6%
American Indian	11	1.1%	0	0%
Asian	5	0.5%	0	0%
Native Hawaiian/ Pacific Islander	3	0.3%	0	0%
Other	207	19.9%	92	8%
Two or More Races	128	12.3%	35	3.1%
Total Non-Hispanic	1,042	100.0	1,147	100.0%
Total Population	40,325	100.0%	40,114	100.0%

Households by type and tenure are shown in Table II.30.13. Family households represented 63.9 percent of households, while non-family households accounted for 36.1 percent. These changed from 64.2 and 35.8 percent, respectively.

Table II.30.13				
Household Type by Tenure				
Des Moines County				
2010 Census SF1 & 2016 Five-Year ACS Data				
Household Type	2010 Census		2016 Five-Year ACS	
	Households	Households	Households	% of Total
Family Households	10,919	64.2%	10,645	63.9%
Married-Couple Family	8,063	73.8%	7,633	71.7%
Owner-Occupied	7,204	89.3%	6,832	89.5%
Renter-Occupied	859	10.7%	801	10.5%
Other Family	2,856	26.2%	3,012	26.8%
Male Householder, No Spouse Present	793	27.8%	1,007	26.3%
Owner-Occupied	486	61.3%	582	57.8%
Renter-Occupied	307	38.7%	425	42.2%
Female Householder, No Spouse Present	2,063	72.2%	2,005	68.5%
Owner-Occupied	1,078	52.3%	1,007	50.2%
Renter-Occupied	985	47.7%	998	49.8%
Non-Family Households	6,084	35.8%	6,014	36.1%
Owner-Occupied	3,577	58.8%	3,808	63.3%
Renter-Occupied	2,507	41.2%	2,206	36.7%
Total	17,003	100.0%	16,659	100.0%

The group quarters population was 685 in 2010, compared to 920 in 2000. Institutionalized populations experienced a -24.7 percent change between 2000 and 2010. Non-institutionalized populations experienced a -28 percent change during this same time period.

Table II.30.14					
Group Quarters Population					
Des Moines County					
2000 & 2010 Census SF1 Data					
Group Quarters Type	2000 Census		2010 Census		% Change 00-10
	Population	% of Total	Population	% of Total	
Institutionalized					
Correctional Institutions	109	15.8%	132	25.5%	21.1%
Juvenile Facilities	.	.	22	4.2%	.
Nursing Homes	501	72.8%	361	69.7%	-27.9%
Other Institutions	78	11.3%	3	0.6%	-96.2%
Total	688	100.0%	518	100.0%	-24.7%
Noninstitutionalized					
College Dormitories	35	15.1%	83	49.7%	137.1%
Military Quarters	0	0%	0	0%	0%
Other Noninstitutionalized	197	84.9%	84	50.3%	-57.4%
Total	232	100.0%	167	100.0%	-28%
Group Quarters Population	920	100.0%	685	100.0%	-25.5%

The number of foreign born persons are shown in Table II.30.15. An estimated 0.3 percent of the population was born in Mexico, some 0.2 percent were born in Germany, and another 0.1 percent were born in Philippines.

Table II.30.15			
Place of Birth for the Foreign-Born Population			
Des Moines County			
2016 Five-Year ACS			
Number	Country	Number of Person	Percent of Total Population
#1 country of origin	Mexico	107	0.3%
#2 country of origin	Germany	81	0.2%
#3 country of origin	Philippines	58	0.1%
#4 country of origin	Egypt	40	0.1%
#5 country of origin	Russia	38	0.1%
#6 country of origin	Taiwan	28	0.1%
#7 country of origin	Europe n.e.c	24	0.1%
#8 country of origin	Israel	23	0.1%
#9 country of origin	Iraq	22	0.1%
#10 country of origin	Canada	19	0%

Limited English Proficiency and the language spoken at home are shown in Table II.30.16. An estimated 0.3 percent of the population speaks Spanish at home, followed by 0.1 percent speaking Other Asian and Pacific Island languages.

Table II.30.16
Limited English Proficiency and Language Spoken at Home
 Des Moines County
 2016 Five-Year ACS

Number	County	Number of Person	Percent of Total Population
#1 LEP Language	Spanish	101	0.3%
#2 LEP Language	Other Asian and Pacific Island languages	38	0.1%
#3 LEP Language	Other and unspecified languages	27	0.1%
#4 LEP Language	Arabic	25	0.1%
#5 LEP Language	German or other West Germanic languages	19	0.1%
#6 LEP Language	Other Indo-European languages	16	0%
#7 LEP Language	Chinese	14	0%
#8 LEP Language	French, Haitian, or Cajun	0	0%
#9 LEP Language	Korean	0	0%
#10 LEP Language	Russian, Polish, or other Slavic languages	0	0%

Disability

The disability rate from the 2000 Census is shown in Table II.30.17. Some 17.7 percent of the population was disabled in 2000, or a total of 6,921 persons. The disability rate was highest for those over 65, with 38.7 percent disabled.

Table II.30.17
Disability by Age
 Des Moines County
 2000 Census SF3 Data

Age	Total	
	Disabled Population	Disability Rate
5 to 15	487	7.5%
16 to 64	3,884	14.9%
65 and older	2,550	38.7%
Total	6,921	17.7%

Table II.30.18 shows disability by type in 2000. There were 3,298 physical disabilities in 2000, some 2,440 employment disabilities, and 2,162 go-outside-home disabilities.

Table II.30.18
Total Disabilities Tallied: Aged 5 and Older
 Des Moines County
 2000 Census SF3 Data

Disability Type	Population
Sensory disability	1,645
Physical disability	3,298
Mental disability	2,018
Self-care disability	1,002
Employment disability	2,440
Go-outside-home disability	2,162
Total	12,565

Disability by age, as estimated by the 2016 ACS, is shown in Table II.30.19. The disability rate for females was 15.4 percent, compared to 14 percent for males. The disability rate changed precipitously higher with age, with 48.5 percent of those over 75 experiencing a disability.

Table II.30.19						
Disability by Age						
Des Moines County 2016 Five-Year ACS Data						
Age	Male		Female		Total	
	Disabled Population	Disability Rate	Disabled Population	Disability Rate	Disabled Population	Disability Rate
Under 5	10	0.8%	0	0%	10	0.4%
5 to 17	246	7.2%	193	5.9%	439	6.6%
18 to 34	289	7.6%	433	11.2%	722	9.4%
35 to 64	1,059	13.7%	1,131	14.5%	2,190	14.1%
65 to 74	470	24.7%	426	20.4%	896	22.4%
75 or Older	657	51%	915	46.9%	1,572	48.5%
Total	2,731	14%	3,098	15.4%	5,829	14.7%

The number of disabilities by type, as estimated by the 2016 ACS, is shown in Table II.30.20. Some 7.6 percent have an ambulatory disability, 6 have an independent living disability, and 2.4 percent have a self-care disability.

Table II.30.20		
Total Disabilities Tallied: Aged 5 and Older		
Des Moines County 2016 Five-Year ACS		
Disability Type	Population with Disability	Percent with Disability
Hearing disability	1,455	3.7%
Vision disability	936	2.4%
Cognitive disability	2,364	6.4%
Ambulatory disability	2,837	7.6%
Self-Care disability	910	2.4%
Independent living disability	1,842	6%

Education

Education and employment data, as estimated by the 2016 ACS, is presented in Table II.30.21. In 2016, some 19,154 persons were employed and 1,153 were unemployed. This totaled a labor force of 20,307 persons. The unemployment rate for Des Moines County was estimated to be 5.7 percent in 2016.

Table II.30.21	
Employment, Labor Force and Unemployment	
Des Moines County 2016 Five-Year ACS Data	
Employment Status	2016 Five-Year ACS
Employed	19,154
Unemployed	1,153
Labor Force	20,307
Unemployment Rate	5.7%

In 2016, 93.6 percent of households in Des Moines County had a high school education or greater.



Table II.30.22	
High School or Greater Education	
Des Moines County 2016 Five-Year ACS Data	
Education Level	Households
High School or Greater	15,585
Total Households	16,659
Percent High School or Above	93.6%

As seen in Table II.30.23, some 35.1 percent of the population had a high school diploma or equivalent, another 38.2 percent have some college, 12.9 percent have a Bachelor's Degree, and 5.1 percent of the population had a graduate or professional degree.

Table II.30.23		
Educational Attainment		
Des Moines County 2016 Five-Year ACS Data		
Education Level	Population	Percent
Less Than High School	2,710	8.8%
High School or Equivalent	10,847	35.1%
Some College or Associates Degree	11,804	38.2%
Bachelor's Degree	3,986	12.9%
Graduate or Professional Degree	1,581	5.1%
Total Population Above 18 years	30,928	100.0%

ECONOMICS

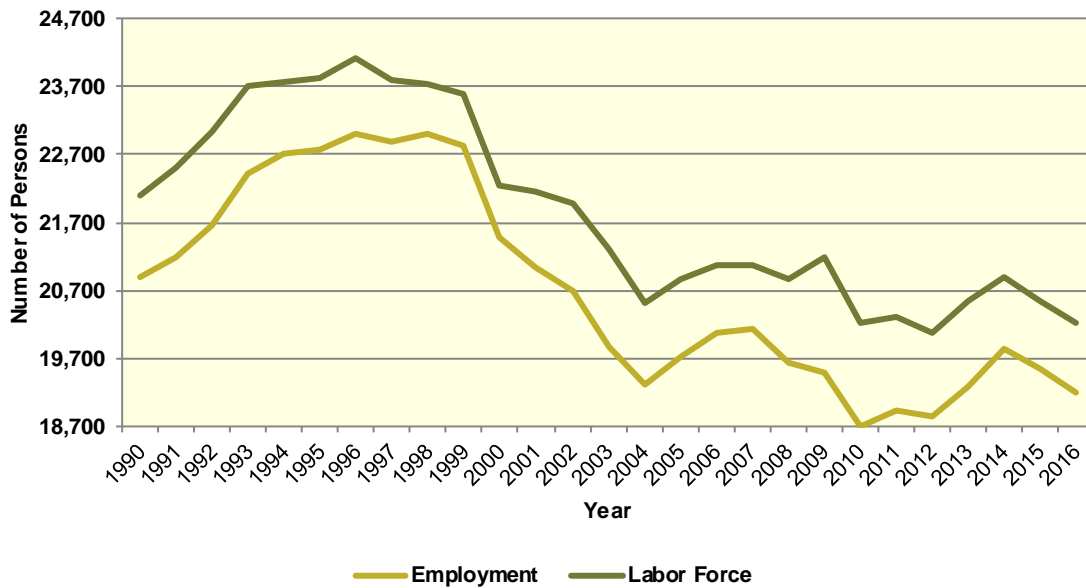
Labor Force

Table II.30.24, shows the labor force statistics for Des Moines County from 1990 to the present. Over the entire series the lowest unemployment rate occurred in 1998 with a rate of 3.1 percent. The highest level of unemployment occurred during 2009 rising to a rate of 8 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 Des Moines County increased from 4.8 percent in 2015 to 5 percent in 2016, which compared to a statewide decrease to 3.7 percent.

Table II.30.24 Labor Force Statistics Des Moines County 1990 - 2016 BLS Data					
Year	Des Moines County				Statewide Unemployment Rate
	Unemployment	Employment	Labor Force	Unemployment Rate	
1990	1,188	20,907	22,095	5.4%	4.4%
1991	1,333	21,179	22,512	5.9%	4.7%
1992	1,366	21,674	23,040	5.9%	4.5%
1993	1,284	22,427	23,711	5.4%	4%
1994	1,073	22,708	23,781	4.5%	3.5%
1995	1,049	22,770	23,819	4.4%	3.4%
1996	1,107	23,007	24,114	4.6%	3.5%
1997	905	22,882	23,787	3.8%	3.1%
1998	740	23,002	23,742	3.1%	2.7%
1999	740	22,840	23,580	3.1%	2.6%
2000	771	21,477	22,248	3.5%	2.6%
2001	1,107	21,060	22,167	5%	3.3%
2002	1,311	20,681	21,992	6%	4%
2003	1,427	19,870	21,297	6.7%	4.5%
2004	1,206	19,321	20,527	5.9%	4.5%
2005	1,131	19,732	20,863	5.4%	4.3%
2006	998	20,070	21,068	4.7%	3.7%
2007	930	20,134	21,064	4.4%	3.7%
2008	1,225	19,653	20,878	5.9%	4.2%
2009	1,703	19,486	21,189	8%	6.4%
2010	1,504	18,710	20,214	7.4%	6%
2011	1,369	18,935	20,304	6.7%	5.5%
2012	1,235	18,857	20,092	6.1%	5%
2013	1,243	19,298	20,541	6.1%	4.7%
2014	1,053	19,854	20,907	5%	4.3%
2015	987	19,563	20,550	4.8%	3.8%
2016	1,009	19,213	20,222	5%	3.7%

Diagram II.30.3, shows the employment and labor force for Des Moines County. The difference between the two lines represents the number of unemployed persons. In the most recent year, employment stood at 19,213 persons, with the labor force reaching 20,222, indicating there were a total of 1,009 unemployed persons.

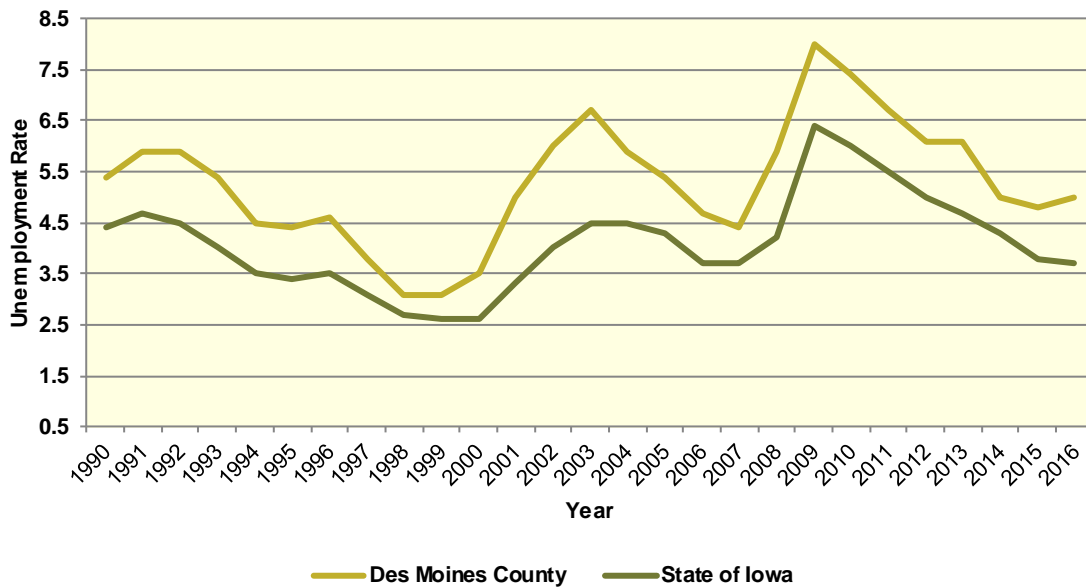
Diagram II.30.3
Employment and Labor Force
 Des Moines County
 1990 – 2016 BLS Data



Unemployment

Diagram II.30.4, shows the unemployment rate for both the State and Des Moines County. During the 1990’s the average rate for Des Moines County was 4.6 percent, which compared to 3.6 percent statewide. Between 2000 and 2010 the unemployment rate had an average of 5.5 percent, which compared to 4.1 percent statewide. Since 2010, the average unemployment rate was 5.9 percent. Over the course of the entire period the Des Moines County had an average unemployment rate that higher than the State, 5.3 percent for Des Moines County, versus 4.1 statewide.

Diagram II.30.4
Annual Unemployment Rate
 Des Moines 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.30.25, shows total real earnings by industry for Des Moines County. In the most recent 2016 estimate, the manufacturing industry had the largest total real earnings, with total real earnings reaching \$522,794,000. Between 2015 and 2016 the farm industry saw the largest percentage increase, rising by 48 percent to 13,214,000 dollars.

Table II.30.25
Real Earnings by Industry
 Des Moines 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	7,775	9,946	29,382	30,052	33,271	15,407	9,910	14,662	48
Forestry, fishing, related activities, and other	0	0	0	0	0	0	0	0	0
Mining	0	2,954	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Construction	70,683	76,369	90,605	91,579	83,380	87,182	91,569	95,017	3.8
Manufacturing	455,265	296,870	334,718	299,127	430,708	507,434	536,365	522,794	-2.5
Wholesale trade	0	0	0	0	0	0	0	0	0
Retail trade	102,679	97,180	90,423	92,125	92,867	93,125	94,879	96,612	1.8
Transportation and warehousing	115,418	74,682	81,183	87,394	87,477	90,836	90,363	93,183	3.1
Information	13,243	11,709	11,491	10,627	10,251	11,016	10,666	10,515	-1.4
Finance and insurance	36,946	38,529	34,706	34,450	35,618	37,342	34,847	34,022	-2.4
Real estate and rental and leasing	6,817	6,237	6,252	8,583	10,299	11,398	14,388	15,164	5.4
Professional and technical services	37,242	34,568	41,078	43,976	40,440	44,938	48,979	54,866	12
Management of companies and enterprises	2,728	4,016	4,155	5,613	4,492	3,781	5,229	6,865	31.3
Administrative and waste services	31,819	31,294	37,778	32,042	34,622	30,871	30,322	28,232	-6.9
Educational services	3,605	3,090	3,492	3,894	4,815	5,339	5,040	5,190	3
Health care and social assistance	161,469	201,160	195,662	199,816	202,022	204,716	209,382	219,636	4.9
Arts, entertainment, and recreation	7,388	14,504	19,028	18,692	18,604	21,028	19,288	23,100	19.8
Accommodation and food services	33,259	31,313	34,019	34,929	34,161	34,969	37,399	38,635	3.3
Other services, except public administration	38,382	37,218	37,065	38,097	37,213	38,828	41,140	41,189	0.1
Government and government enterprises	135,297	161,591	154,056	149,357	151,837	153,927	155,980	158,551	1.6
Total	1,313,780	1,188,144	1,256,350	1,231,994	1,361,589	1,444,076	1,491,351	1,516,313	1.7



Table II.30.26, shows the total employment by industry for the Des Moines County. The most recent estimates show the manufacturing industry was the largest employer in Des Moines County, with employment reaching 4,896 jobs in 2016. Between 2015 and 2016 the management of companies and enterprises industry saw the largest percentage increase, rising by 14.3 percent.

Table II.30.26
Employment by Industry
 Des Moines County
 BEA Table CA25 Data

NAICS Categories	2001	2010	2011	2012	2013	2014	2015	2016	% Change 15-16
Farm earnings	725	556	568	571	585	567	579	573	-1
Forestry, fishing, related activities, and other	0	0	0	0	0	0	0	0	0
Mining	0	61	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Construction	1,443	1,322	1,499	1,508	1,461	1,498	1,594	1,615	1.3
Manufacturing	6,198	4,111	4,318	4,509	4,794	4,939	4,902	4,896	-0.1
Wholesale trade	0	0	0	0	0	0	0	0	0
Retail trade	3,799	3,567	3,581	3,614	3,621	3,567	3,572	3,548	-0.7
Transportation and warehousing	1,898	1,285	1,339	1,403	1,425	1,403	1,407	1,395	-0.9
Information	326	268	278	263	261	275	259	250	-3.5
Finance and insurance	767	919	980	908	933	936	892	879	-1.5
Real estate and rental and leasing	542	508	567	590	634	660	726	762	5
Professional and technical services	661	622	681	687	745	748	817	882	8
Management of companies and enterprises	59	66	73	107	72	54	119	136	14.3
Administrative and waste services	1,436	1,164	1,299	1,235	1,344	1,062	1,000	927	-7.3
Educational services	178	191	209	216	250	272	250	262	4.8
Health care and social assistance	3,456	3,766	3,698	3,745	3,788	3,843	3,919	3,960	1
Arts, entertainment, and recreation	351	569	753	738	761	792	761	808	6.2
Accommodation and food services	1,888	1,861	1,935	1,929	1,880	1,880	1,941	2,015	3.8
Other services, except public administration	1,459	1,368	1,331	1,338	1,321	1,357	1,368	1,387	1.4
Government and government enterprises	2,853	2,958	2,849	2,807	2,780	2,774	2,728	2,742	0.5
Total	29,051	26,015	26,827	27,024	27,498	27,489	27,732	27,924	0.7



Table II.30.27, shows the real average earnings per job by industry for Des Moines County. These figures are calculated by dividing the total real earning displayed in Tables II.30.25 and II.30.26, by industry. In 2016, the manufacturing industry had the highest average earnings reaching 106,780 dollars. Between 2015 and 2016 the farm industry saw the largest percentage increase, rising by 49.5 percent to 17,273 dollars.

Table II.30.27
Real Earnings Per Job by Industry
 Des Moines County
 BEA Table CA5N and CA25 Data

NAICS Categories	2001	2010	2011	2012	2013	2014	2015	2016	% Change 15-16
Farm earnings	10,724	17,889	51,729	52,630	56,874	27,173	17,115	25,588	49.5
Forestry, fishing, related activities, and other	0	0	0	0	0	0	0	0	0
Mining	0	48,424	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0
Construction	48,983	57,768	60,444	60,729	57,070	58,199	57,446	58,834	2.4
Manufacturing	73,454	72,214	77,517	66,340	89,843	102,740	109,418	106,780	-2.4
Wholesale trade	0	0	0	0	0	0	0	0	0
Retail trade	27,028	27,244	25,251	25,491	25,647	26,107	26,562	27,230	2.5
Transportation and warehousing	60,811	58,119	60,630	62,291	61,388	64,744	64,224	66,798	4
Information	40,622	43,689	41,334	40,407	39,277	40,058	41,180	42,060	2.1
Finance and insurance	48,170	41,925	35,414	37,940	38,175	39,895	39,066	38,705	-0.9
Real estate and rental and leasing	12,578	12,277	11,027	14,547	16,245	17,269	19,818	19,900	0.4
Professional and technical services	56,341	55,575	60,320	64,012	54,282	60,078	59,949	62,206	3.8
Management of companies and enterprises	46,235	60,853	56,922	52,456	62,386	70,016	43,941	50,478	14.9
Administrative and waste services	22,158	26,885	29,082	25,945	25,761	29,069	30,322	30,455	0.4
Educational services	20,252	16,180	16,708	18,026	19,260	19,630	20,158	19,809	-1.7
Health care and social assistance	46,721	53,415	52,910	53,355	53,332	53,270	53,427	55,464	3.8
Arts, entertainment, and recreation	21,048	25,490	25,270	25,328	24,447	26,551	25,345	28,589	12.8
Accommodation and food services	17,616	16,826	17,581	18,107	18,171	18,600	19,268	19,174	-0.5
Other services, except public administration	26,307	27,206	27,847	28,473	28,170	28,613	30,073	29,696	-1.3
Government and government enterprises	47,423	54,628	54,074	53,209	54,618	55,489	57,177	57,823	1.1
Total	45,223	45,671	46,832	45,589	49,516	52,533	53,777	54,301	1

Table II.30.28 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 \$1,911,125,000 a 0.5 percent change between 2015 and 2016. Table II.30.28, shows further annual data for the years 1969 through 2016. In 2010, total employment was 26,015 and 27,924 in 2016, which a change of 0.7 percent over this period.

Table II.30.28
Total Employment and Real Personal Income
 Des Moines 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	1,087,137	83,460	-174,907	148,326	78,388	1,055,484	22,322	30,363	35,803
1970	982,456	73,136	-150,318	150,068	87,593	996,663	21,287	27,546	35,665
1971	936,685	71,657	-132,621	151,071	95,912	979,390	21,113	26,212	35,736
1972	961,575	77,336	-134,806	153,253	96,189	998,876	21,937	26,466	36,332
1973	1,028,515	93,483	-143,233	162,526	105,235	1,059,560	23,250	27,036	38,041
1974	1,009,950	96,759	-138,680	169,701	111,964	1,056,176	23,078	26,936	37,496
1975	965,018	89,325	-120,206	173,074	135,107	1,063,667	23,312	25,204	38,287
1976	979,724	94,187	-116,598	177,740	138,915	1,085,594	23,816	25,065	39,087
1977	1,032,255	100,720	-126,454	190,203	130,850	1,126,134	24,627	26,138	39,493
1978	1,068,062	106,103	-124,455	195,614	132,650	1,165,768	25,350	26,174	40,806
1979	1,094,120	113,096	-128,552	202,384	136,679	1,191,536	25,987	26,688	40,996
1980	1,027,152	108,011	-126,253	219,345	150,058	1,162,290	25,153	26,154	39,274
1981	1,001,867	110,944	-126,243	244,887	156,651	1,166,220	25,285	25,437	39,387
1982	904,580	104,187	-114,325	262,552	168,240	1,116,860	24,589	24,302	37,223
1983	877,884	102,688	-112,029	267,705	173,294	1,104,166	24,696	23,701	37,039
1984	949,568	109,494	-114,933	283,201	165,226	1,173,568	26,454	24,055	39,476
1985	946,801	111,205	-115,310	275,321	170,349	1,165,956	26,589	23,755	39,858
1986	970,082	118,630	-120,616	274,611	171,981	1,177,427	27,240	24,167	40,141
1987	1,021,401	123,646	-128,264	260,257	171,027	1,200,776	27,958	24,890	41,037
1988	1,026,890	129,793	-125,615	252,923	174,615	1,199,020	28,013	25,298	40,592
1989	1,045,841	133,117	-128,697	265,509	181,277	1,230,813	28,889	26,115	40,047
1990	1,079,311	139,940	-136,380	258,875	194,591	1,256,457	29,448	26,472	40,771
1991	1,066,569	139,564	-135,577	252,428	199,787	1,243,642	29,008	26,774	39,835
1992	1,096,499	140,894	-137,568	248,702	213,989	1,280,728	29,774	26,836	40,859
1993	1,095,425	143,134	-134,162	247,126	214,473	1,279,729	29,690	27,046	40,503
1994	1,148,739	149,896	-142,784	247,515	215,258	1,318,833	30,591	27,614	41,599
1995	1,136,963	149,855	-145,192	264,422	225,054	1,331,392	31,009	28,209	40,305
1996	1,171,155	146,447	-153,405	283,422	232,584	1,387,309	32,395	28,601	40,947
1997	1,201,711	154,380	-155,759	297,434	232,541	1,421,549	33,354	28,983	41,463
1998	1,258,159	162,465	-168,608	313,715	235,276	1,476,077	34,633	29,748	42,294
1999	1,274,360	163,415	-172,887	301,235	240,326	1,479,619	34,802	30,093	42,347
2000	1,306,965	164,729	-182,225	321,218	256,100	1,537,329	36,384	30,190	43,291
2001	1,313,780	161,564	-172,150	305,384	270,405	1,555,855	37,204	29,051	45,223
2002	1,261,571	153,741	-163,039	294,013	291,373	1,530,177	37,196	27,671	45,592
2003	1,226,169	149,593	-156,898	264,204	286,277	1,470,158	35,817	27,240	45,013
2004	1,204,982	144,594	-152,206	268,628	292,172	1,468,982	36,216	26,721	45,094
2005	1,193,636	148,072	-149,336	251,858	296,277	1,444,363	35,812	27,003	44,204
2006	1,269,934	154,721	-148,849	279,877	317,039	1,563,279	38,895	27,251	46,601
2007	1,309,662	156,993	-145,140	307,593	323,444	1,638,567	40,755	27,594	47,462
2008	1,303,562	155,952	-135,687	318,383	356,729	1,687,035	41,929	26,717	48,792
2009	1,232,085	153,533	-136,034	301,442	381,853	1,625,814	40,264	26,574	46,365
2010	1,188,144	153,131	-134,893	277,009	391,627	1,568,756	38,968	26,015	45,671
2011	1,256,350	146,055	-139,939	297,710	390,107	1,658,173	41,356	26,827	46,832
2012	1,231,994	141,401	-137,881	361,801	382,919	1,697,432	42,157	27,024	45,588
2013	1,361,589	166,923	-142,430	307,401	389,580	1,749,217	43,258	27,498	49,516
2014	1,444,076	170,709	-145,664	323,288	384,033	1,835,024	45,712	27,489	52,533
2015	1,491,351	174,356	-148,251	331,441	400,912	1,901,096	47,545	27,732	53,777
2016	1,516,313	179,965	-153,304	330,175	397,906	1,911,125	48,092	27,924	54,301



Diagram II.30.5, shows real average earnings per job for Des Moines County from 1990 to 2016. Over this period the average earning per job for Des Moines County was \$45,066, which was higher than the statewide average of \$43,526 over the same period.

Diagram II.30.5
Real Average Earnings Per Job
 Des Moines County
 BEA Data 1990 - 2016

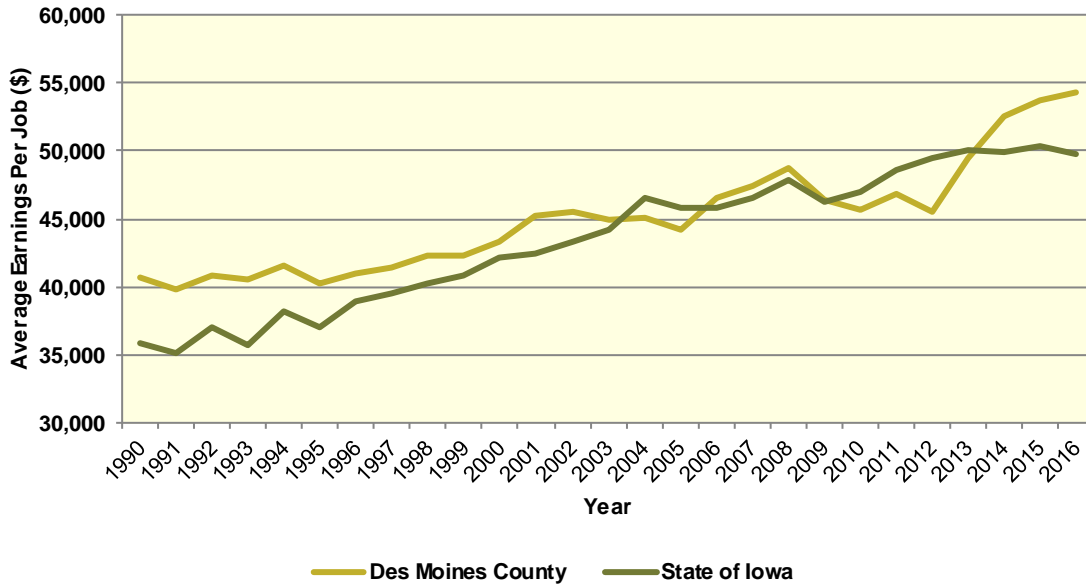
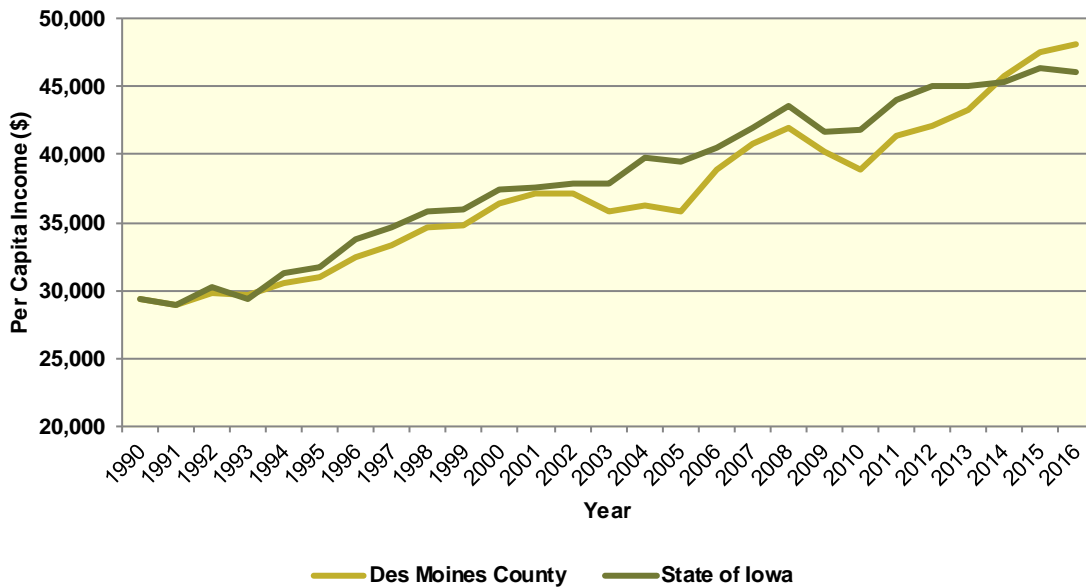


Diagram II.30.6, shows real per capita income for the Des Moines County from 1990 to 2016, which is calculated by dividing total personal income from all sources by population. Per capita income is a broader measure of wealth than real average earnings per job, which only captures the working population. Over this period, the real per capita income for Des Moines County was \$37,121, which was lower than the statewide average of \$38,254 over the same period.

Diagram II.30.6
Real Per Capita Income
 Des Moines 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.30.29, with the 2016 information considered preliminary (p). Between 2015 and 2016, total annual employment decreased from 22,875 persons in 2015 to 22,438 in 2016, a change of -1.9 percent.

Table II.30.29
Total Monthly Employment
 Des Moines County
 BLS QCEW Data, 2001–2016(p)

Period	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Jan	21,450	21,519	21,076	20,532	19,906	20,539	20,806	21,095	21,822	22,120	21,837
Feb	21,435	21,418	20,982	20,610	19,878	20,584	20,919	21,323	22,046	22,108	21,938
Mar	21,736	21,931	21,424	20,610	20,108	20,781	21,150	21,378	22,250	22,411	22,239
Apr	21,942	22,199	21,518	20,858	20,608	21,212	21,463	21,964	22,659	22,710	22,222
May	22,125	22,463	21,879	21,249	20,961	21,466	21,623	22,324	22,943	22,961	22,433
Jun	22,404	22,733	21,708	21,567	21,141	21,901	21,889	22,261	23,022	23,094	22,881
Jul	22,103	22,624	21,649	21,507	21,024	21,709	21,907	21,965	23,012	23,398	22,882
Aug	21,707	22,440	21,486	21,178	20,637	21,440	21,500	22,416	22,971	23,215	22,569
Sep	22,159	22,420	21,510	21,132	20,651	21,500	21,493	22,349	22,700	23,225	22,734
Oct	22,024	22,399	21,419	20,881	20,671	21,401	21,650	22,414	22,665	23,072	22,458
Nov	22,178	22,294	21,411	20,906	20,873	21,591	22,019	22,637	22,830	23,193	22,574
Dec	22,100	22,004	21,214	20,557	20,751	21,536	21,765	22,442	22,750	22,990	22,485
Annual	21,947	22,204	21,440	20,966	20,601	21,305	21,515	22,047	22,639	22,875	22,438
% Change	.	1.2%	-3.4%	-2.2%	-1.7%	3.4%	1%	2.5%	2.7%	1%	-1.9%

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 \$752 in 2015. In 2016, average weekly wages saw an increased of 3.9 percent over the prior year, rising to \$781, or by 29 dollars. These data are shown in Table II.30.30.

Table II.30.30						
Average Weekly Wages						
Des Moines County						
BLS QCEW Data, 2001–2016(p)						
Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual	% Change
2001	539	541	531	570	545	
2002	532	547	550	588	554	1.7%
2003	543	552	544	589	557	0.5%
2004	550	565	590	609	578	3.8%
2005	566	566	605	612	588	1.7%
2006	610	607	611	654	620	5.4%
2007	638	610	627	664	635	2.4%
2008	642	618	638	686	646	1.7%
2009	626	619	640	692	644	-0.3%
2010	623	633	675	739	668	3.7%
2011	666	676	692	709	686	2.7%
2012	686	680	674	735	694	1.2%
2013	695	692	701	745	709	2.2%
2014	718	724	718	775	734	3.5%
2015	733	744	728	804	752	2.5%
2016(p)	771	755	805	791	781	3.9%

Total business establishments reported by the QCEW are displayed in Table II.30.31. Between 2015 and 2016, the total number of business establishments in Des Moines County decreased by 3.9 percent, from 1,354 to 1,345 establishments.

Table II.30.31						
Number of Business Establishments						
Des Moines County						
BLS QCEW Data, 2001–2016(p)						
Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual	% Change
2001	1,461	1,474	1,402	1,403	1,435	
2002	1,381	1,379	1,365	1,358	1,371	-4.5%
2003	1,345	1,350	1,351	1,347	1,348	-1.7%
2004	1,318	1,309	1,297	1,286	1,303	-3.3%
2005	1,282	1,282	1,275	1,279	1,280	-1.8%
2006	1,257	1,263	1,273	1,267	1,265	-1.2%
2007	1,269	1,282	1,279	1,276	1,277	0.9%
2008	1,261	1,265	1,270	1,263	1,265	-0.9%
2009	1,258	1,258	1,261	1,261	1,260	-0.4%
2010	1,266	1,269	1,271	1,265	1,268	0.6%
2011	1,262	1,260	1,262	1,253	1,259	-0.7%
2012	1,250	1,262	1,266	1,288	1,267	0.6%
2013	1,302	1,297	1,304	1,316	1,305	3%
2014	1,322	1,336	1,356	1,356	1,343	2.9%
2015	1,353	1,358	1,358	1,346	1,354	0.8%
2016	1,342	1,338	1,346	1,352	1,345	-0.7%

Iowa Department of Revenue

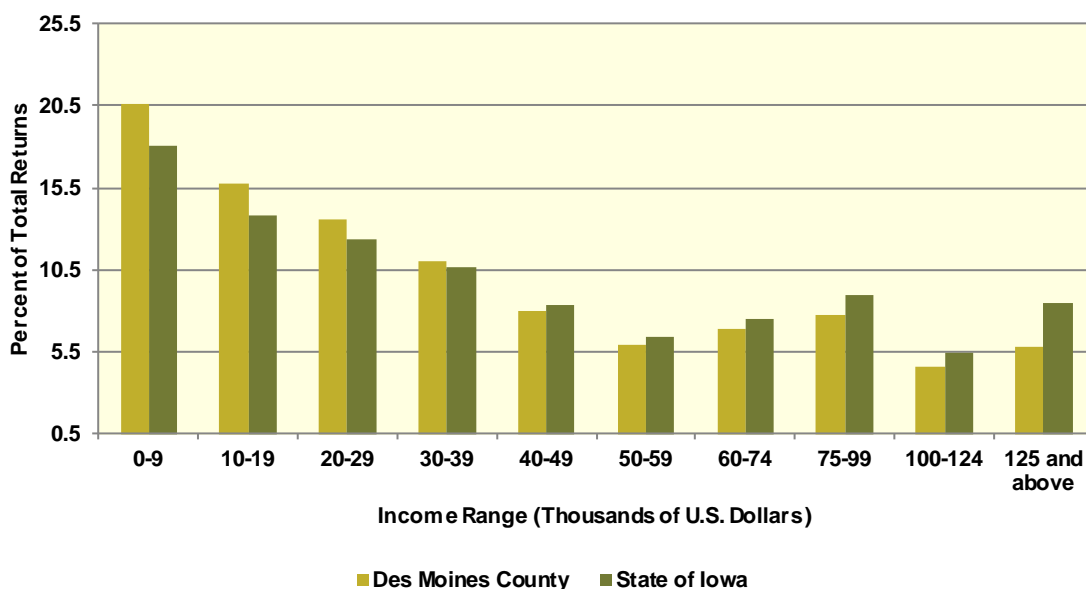
The Iowa Department of Revenue releases annual income tax statistics. Table II.30.32, shows the number of returns by adjusted gross income. For taxpayer confidentiality, if the number of returns was fewer than 5, the data was redacted. As a result the number of returns reported maybe slightly lower than the actual returns. Most redacted records occurred in the highest income brackets. The table below gives an accurate measure of the income distribution in Des Moines County.

As can be seen the total number of returns between 2010 and 2015 increased by 5 percent, with 1,150 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 63.8 percent. This compared to the income class of \$20,000-29,999, which saw the lowest percentage change between 2010 and 2015 of -6.1 percent.

Table II.30.32
Number of Tax Returns by Adjusted Gross Income
 Des Moines 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	4,229	3,218	2,486	1,999	1,653	1,301	1,322	943	262	358	17,771
2003	4,415	3,134	2,457	1,913	1,603	1,246	1,261	994	292	403	17,718
2004	4,373	3,158	2,521	1,889	1,546	1,209	1,313	1,181	352	424	17,966
2005	4,260	3,111	2,539	1,886	1,591	1,245	1,312	1,220	404	499	18,067
2006	4,075	3,278	2,508	1,937	1,600	1,243	1,352	1,329	466	598	18,386
2007	4,310	3,338	2,623	1,890	1,612	1,323	1,371	1,407	542	674	19,090
2008	4,158	3,306	2,593	2,024	1,538	1,220	1,429	1,437	604	668	18,977
2009	4,157	3,253	2,670	2,010	1,445	1,156	1,383	1,383	579	656	18,692
2010	3,994	3,312	2,780	2,010	1,404	1,167	1,359	1,369	628	702	18,725
2011	4,113	3,391	2,662	2,059	1,393	1,203	1,331	1,407	671	813	19,043
2012	4,142	3,331	2,684	2,052	1,485	1,150	1,451	1,415	667	906	19,283
2013	4,078	3,319	2,703	2,025	1,509	1,152	1,427	1,424	750	959	19,346
2014	4,086	3,157	2,726	2,109	1,498	1,145	1,447	1,534	853	1,067	19,622
2015	4,046	3,109	2,672	2,161	1,563	1,169	1,367	1,531	900	1,150	19,668
Change 10 - 15	1.3%	-6.1%	-3.9%	7.5%	11.3%	0.2%	0.6%	11.8%	43.3%	63.8%	5%

Diagram II.30.7
2015 Income Distribution
 Des Moines 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 increase from 6,052 in 2010 to 6,300 in 2016, with the poverty rate reaching 16.1 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.30.33, at right, presents poverty data for the county.

Year	Persons in Poverty	Poverty Rate
2000	4,193	10.1%
2001	4,061	9.9%
2002	4,479	10.9%
2003	4,634	11.4%
2004	5,338	13.1%
2005	5,270	13.2%
2006	5,487	13.8%
2007	5,201	13.1%
2008	5,844	14.7%
2009	5,144	12.8%
2010	6,052	15.3%
2011	6,072	15.4%
2012	7,091	17.9%
2013	4,890	12.3%
2014	6,208	15.7%
2015	5,784	14.7%
2016	6,300	16.1%

The rate of poverty for Des Moines County is shown in Table II.30.34. In 2016, there were an estimated 6,574 persons living in poverty. This represented a 16.7 percent poverty rate, compared to 10.7 percent poverty in 2000. In 2016, some 13.2 percent of those in poverty were under age 6, and 9.2 percent were 65 or older.

Table II.30.34 Poverty by Age Des Moines County 2000 Census SF3 & 2016 Five-Year ACS Data				
Age	2000 Census		2016 Five-Year ACS	
	Persons in Poverty	% of Total	Persons in Poverty	% of Total
Under 6	665	15%	871	13.2%
6 to 17	1,120	25.3%	1,346	20.5%
18 to 64	2,153	48.6%	3,751	57.1%
65 or Older	488	11%	606	9.2%
Total	4,426	100.0%	6,574	100.0%
Poverty Rate	10.7%	.	16.7%	.

HOUSING

The Census Bureau estimates that the total number of housing units decreased by -0.4 percent in Des Moines County between 2010 and 2016, from 18,535 to 18,461. This compared to an estimated 3.3 percent increase statewide, as shown in Table II.30.35.

Table II.30.35 Housing Units State of Iowa vs. Des Moines County 2000 and 2016 Census Data and Intercensal Estimates				
Subject	Iowa	% Growth Since Census	Des Moines County	% Growth Since Census
2000 Census Base	1,232,625	.	18,648	.
2010 Census	1,336,417	8.4%	18,535	-0.6%
July 2011 Estimate	1,341,974	0.4%	18,511	-0.1%
July 2012 Estimate	1,346,403	0.7%	18,479	-0.3%
July 2013 Estimate	1,353,274	1.3%	18,466	-0.4%
July 2014 Estimate	1,362,458	1.9%	18,464	-0.4%
July 2015 Estimate	1,370,778	2.6%	18,463	-0.4%
July 2016 Estimate	1,380,162	3.3%	18,461	-0.4%

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 Des Moines County decreased from 44 authorizations in 2015 to 18 in 2016.

The real value of single-family building permits decreased from \$171,965 in 2015 to \$140,833 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.30.36.

Table II.30.36
Building Permits and Valuation
 Des Moines 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	32	0	4	0	36	169,844	0
1981	19	2	20	12	53	145,098	57,418
1982	17	4	8	12	41	127,977	56,409
1983	16	2	8	18	44	118,710	64,387
1984	15	0	0	0	15	118,520	0
1985	13	0	4	0	17	94,254	0
1986	12	0	0	0	12	133,842	0
1987	15	0	0	0	15	141,919	0
1988	18	2	0	0	20	145,421	0
1989	26	4	16	0	46	137,591	0
1990	29	2	0	0	31	150,556	0
1991	24	0	0	62	86	138,864	58,800
1992	32	0	15	8	55	145,755	36,916
1993	40	0	0	0	40	168,826	0
1994	59	2	24	96	181	145,172	32,252
1995	48	0	0	0	48	194,162	0
1996	42	0	44	0	86	148,747	0
1997	39	0	8	0	47	169,369	0
1998	27	0	12	74	113	172,358	91,669
1999	32	10	8	0	50	160,435	0
2000	35	2	12	0	49	166,460	0
2001	24	8	0	0	32	163,095	0
2002	21	6	0	48	75	221,470	95,553
2003	71	4	0	0	75	87,839	0
2004	78	6	0	0	84	94,801	0
2005	52	6	0	46	104	185,639	102,717
2006	28	8	0	0	36	185,778	0
2007	54	0	0	0	54	167,870	0
2008	25	0	0	0	25	203,947	0
2009	28	0	0	0	28	183,728	0
2010	33	0	0	0	33	181,559	0
2011	14	0	0	0	14	196,640	0
2012	33	2	0	0	35	204,977	0
2013	33	6	0	0	39	160,848	0
2014	41	0	0	0	41	153,344	0
2015	44	0	0	0	44	171,965	0
2016	18	14	0	0	32	140,833	0



Diagram II.30.8
Single Family Permits
 Des Moines County
 Census Bureau Data, 1980–2016

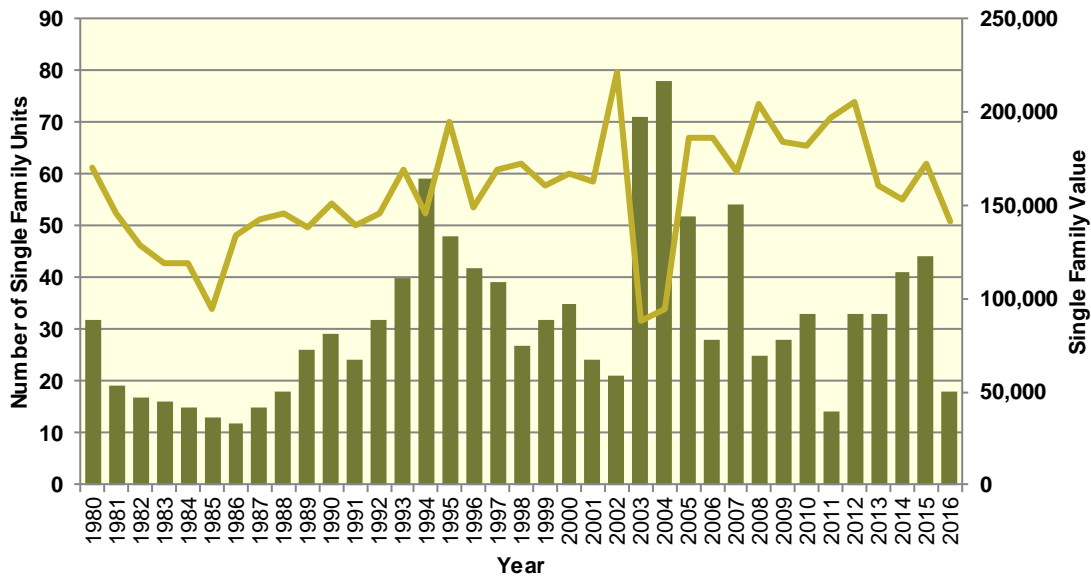
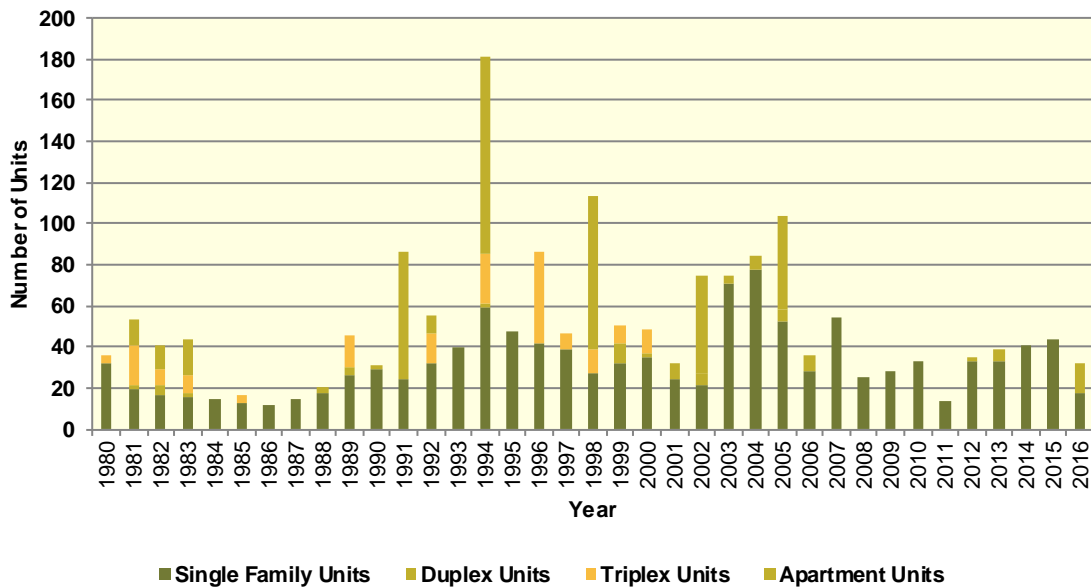


Diagram II.30.9
Total Permits by Unit Type
 Des Moines County
 Census Bureau Data, 1980–2016



Housing Characteristics

Housing types by unit are shown in Table II.30.37. In 2016, there were 18,472 housing units, up from 18,643 in 2000. Single-family units accounted for 78.2 percent of units in 2016, compared to 75.2 in 2000. Apartment units accounted for 9.1 percent in 2016, compared to 7.6 percent in 2000.

Table II.30.37				
Housing Units by Type				
Des Moines 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	14,028	75.2%	14,454	78.2%
Duplex	738	4%	417	2.3%
Tri- or Four-Plex	1,147	6.2%	934	5.1%
Apartment	1,425	7.6%	1,672	9.1%
Mobile Home	1,305	7%	986	5.3%
Boat, RV, Van, Etc.	0	0%	9	0%
Total	18,643	100.0%	18,472	100.0%

Some 91.7 percent of housing was occupied in 2010, compared to 92.6 percent in 2000. Owner-occupied housing changed -3.7 percent between 2000 and 2010, ending with owner-occupied units representing 72.6 percent of unit. Vacant units changed by 11.6 percent, resulting in 1,532 vacant units in 2010.

Table II.30.38					
Housing Units by Tenure					
Des Moines County					
2000 & 2010 Census SF1 Data					
Tenure	2000 Census		2010 Census		% Change 00-10
	Units	% of Total	Units	% of Total	
Occupied Housing Units	17,270	92.6%	17,003	91.7%	-1.5%
Owner-Occupied	12,813	74.2%	12,345	72.6%	-3.7%
Renter-Occupied	4,457	25.8%	4,658	27.4%	4.5%
Vacant Housing Units	1,373	7.4%	1,532	8.3%	11.6%
Total Housing Units	18,643	100.0%	18,535	100.0%	-0.6%

Table II.30.39 shows housing units by tenure from 2010 to 2016. By 2016, there were 18,472 housing units. An estimated 73.4 percent were owner-occupied, and 9.8 percent were vacant.

Table II.30.39				
Housing Units by Tenure				
Des Moines County				
2010 Census & 2016 Five-Year ACS Data				
Tenure	2010 Census		2016 Five-Year ACS	
	Units	% of Total	Units	% of Total
Occupied Housing Units	17,003	91.7%	16,659	90.2%
Owner-Occupied	12,345	72.6%	12,229	73.4%
Renter-Occupied	4,658	27.4%	4,430	26.6%
Vacant Housing Units	1,532	8.3%	1,813	9.8%
Total Housing Units	18,535	100.0%	18,472	100.0%



Households by household size are shown in Table II.30.40. There were a total of 17,003 households in 2010, up from 17,270 in 2000. One person households changed by 4.3 percent between 2000 and 2010, while two person households changed by 1 percent. Three and four person households changed by -4.2 and -15.9 respectively, representing 14.5 percent and 11.1 percent of the population in 2010.

Table II.30.40					
Households by Household Size					
Des Moines County					
2000 & 2010 Census SF1 Data					
Size	2000 Census		2010 Census		% Change 00–10
	Households	% of Total	Households	% of Total	
One Person	4,931	28.6%	5,144	30.3%	4.3%
Two Persons	6,153	35.6%	6,217	36.6%	1%
Three Persons	2,568	14.9%	2,459	14.5%	-4.2%
Four Persons	2,247	13%	1,889	11.1%	-15.9%
Five Persons	958	5.5%	864	5.1%	-9.8%
Six Persons	275	1.6%	283	1.7%	2.9%
Seven Persons or More	138	0.8%	147	0.9%	6.5%
Total	17,270	100.0%	17,003	100.0%	-1.5%

Households by income is shown in Table II.30.41. Households earning more than \$100,000 per year represented 14.1 percent of households in 2016, compared to 5.4 percent in 2000. Households earning between \$50,000 and \$74,999 represented 17.8 percent of households in 2010, compared to 20.9 percent in 2000. Meanwhile, households earning less than \$15,000 accounted for 13.2 percent of households in 2016, compared to 15.8 percent in 2000.

Table II.30.41				
Households by Income				
Des Moines 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	2,734	15.8%	2,195	13.2%
\$15,000 to \$19,999	1,482	8.6%	1,021	6.1%
\$20,000 to \$24,999	1,320	7.6%	944	5.7%
\$25,000 to \$34,999	2,587	15%	2,325	14%
\$35,000 to \$49,999	3,296	19.1%	2,858	17.2%
\$50,000 to \$74,999	3,614	20.9%	2,962	17.8%
\$75,000 to \$99,999	1,318	7.6%	2,006	12%
\$100,000 or More	942	5.4%	2,348	14.1%
Total	17,293	100.0%	16,659	100.0%

Table II.30.42, shows households by year home built. Housing units built between 2000 and 2009, and 2010 or later, account for 5.4 percent and 2.3 percent of households, respectively. Households built in the 1970's, 1980's, and 1990's account for 14.6 percent, 6 percent, and 8.8, respectively. Housing units built prior to 1939 represented 36.6 percent of households in 2016.



Table II.30.42				
Households by Year Home Built				
Des Moines 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	6,970	40.4%	6,090	36.6%
1940 to 1949	1,633	9.5%	1,162	7%
1950 to 1959	1,878	10.9%	1,615	9.7%
1960 to 1969	1,863	10.8%	1,606	9.6%
1970 to 1979	2,575	14.9%	2,431	14.6%
1980 to 1989	876	5.1%	993	6%
1990 to 1999	1,475	8.5%	1,471	8.8%
2000 to 2009	.	.	906	5.4%
2010 or Later	.	.	385	2.3%
Total	17,270	100.0%	16,659	100.0%

The distribution of unit types by race are shown in Table II.30.43. An estimated 82.1 percent of white households occupy single family homes, while 49.1 percent of black households do. Some 7.2 percent of white households occupied apartments, while 31.2 percent of black households do. An estimated 76.9 percent of Asian, and 100 percent of American Indian households occupy single family homes.

Table II.30.43							
Distribution of Units in Structure by Race							
Des Moines County							
2016 Five-Year ACS Data							
Unit Type	White	Black	American Indian	Asian	Native Hawaiian/Pacific Islanders	Other	Two or More Races
Single-Family	82.1%	49.1%	100%	76.9%	0%	63.2%	70.1%
Duplex	1.8%	2%	0%	9.2%	0%	0%	0%
Tri- or Four-Plex	3.9%	17.2%	0%	0%	0%	0%	8.5%
Apartment	7.2%	31.2%	0%	13.8%	0%	36.8%	11.9%
Mobile Home	5%	0.5%	0%	0%	0%	0%	9.6%
Boat, RV, Van, Etc.	0.1%	0%	0%	0%	0%	0%	0%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The disposition of vacant housing units in 2000 and 2010 are shown in Table II.30.44. An estimated 37.9 percent of vacant units were for rent in 2010, a 33.6 percent change since 2000. In addition, some 15.7 percent of vacant units were for sale, a change of -2.4 percent between 2000 and 2010. "Other" vacant units represented 29.6 percent of vacant units in 2010. This is a change of 12.1 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.

Table II.30.44					
Disposition of Vacant Housing Units					
Des Moines County					
2000 & 2010 Census SF1 Data					
Disposition	2000 Census		2010 Census		% Change 00-10
	Units	% of Total	Units	% of Total	
For Rent	435	31.7%	581	37.9%	33.6%
For Sale	246	17.9%	240	15.7%	-2.4%
Rented or Sold, Not Occupied	125	9.1%	91	5.9%	-27.2%
For Seasonal, Recreational, or Occasional Use	163	11.9%	165	10.8%	1.2%
For Migrant Workers	0	0%	2	0.1%	
Other Vacant	404	29.4%	453	29.6%	12.1%
Total	1,373	100.0%	1,532	100.0%	11.6%

The disposition of vacant units between 2010 and 2016 are shown in Table II.30.45. By 2016, for rent units accounted for 30.3 percent of vacant units, while for sale units accounted for 15.5 percent. "Other" vacant units accounted for 40.3 percent of vacant units, representing a total of 731 "other" vacant units.

Table II.30.45				
Disposition of Vacant Housing Units				
Des Moines County				
2010 Census & 2016 Five-Year ACS Data				
Disposition	2010 Census		2016 Five-Year ACS	
	Units	% of Total	Units	% of Total
For Rent	581	37.9%	549	30.3%
For Sale	240	15.7%	281	15.5%
Rented Not Occupied	24	1.6%	34	1.9%
Sold Not Occupied	67	4.4%	60	3.3%
For Seasonal, Recreational, or Occasional Use	165	10.8%	158	8.7%
For Migrant Workers	2	0.1%	0	0%
Other Vacant	453	29.6%	731	40.3%
Total	1,532	100.0%	1,813	100.0%

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.30.46. In 2016, an estimated 1.2 percent of households were overcrowded, and an additional 0.2 percent were severely overcrowded.

Table II.30.46 Overcrowding and Severe Overcrowding Des Moines 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	
Owner							
2000 Census	12,656	98.7%	123	1%	41	0.3%	12,820
2016 Five-Year ACS	12,102	99%	114	0.9%	13	0.1%	12,229
Renter							
2000 Census	4,344	97.6%	61	1.4%	45	1%	4,450
2016 Five-Year ACS	4,320	97.5%	91	2.1%	19	0.4%	16,659
Total							
2000 Census	17,000	98.4%	184	1.1%	86	0.5%	17,270
2016 Five-Year ACS	16,422	98.6%	205	1.2%	32	0.2%	16,659

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 72 households with incomplete plumbing facilities in 2016, representing 0.4 percent of households in Des Moines County. This is compared to 0.2 percent of households lacking complete plumbing facilities in 2000.

Table II.30.47 Households with Incomplete Plumbing Facilities Des Moines County 2000 Census SF3 & 2016 Five-Year ACS Data		
Households	2000 Census	2016 Five-Year ACS
With Complete Plumbing Facilities	17,235	16,587
Lacking Complete Plumbing Facilities	35	72
Total Households	17,270	16,659
Percent Lacking	0.2 %	0.4%

There were 196 households lacking complete kitchen facilities in 2016, compared to 75 households in 2000. This was a change from 0.4 percent of households in 2000 to 1.2 percent in 2016.

Table II.30.48 Households with Incomplete Kitchen Facilities Des Moines County 2000 Census SF3 & 2016 Five-Year ACS Data		
Households	2000 Census	2016 Five-Year ACS
With Complete Kitchen Facilities	17,195	16,463
Lacking Complete Kitchen Facilities	75	196
Total Households	17,270	16,659
Percent Lacking	0.4%	1.2%

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 Des Moines County, 15.1 of households had a cost burden and 10.9 percent had a severe cost burden. Some 20.2 percent of renters were cost burdened, and 21.9 percent were severely cost burdened. Owner-occupied households without a mortgage had a cost burden rate of 8.1 percent and a severe cost burden rate of 6.9 percent. Owner occupied households with a mortgage had a cost burden rate of 17.4 percent, and severe cost burden at 6.8 percent.

Table II.30.49
Cost Burden and Severe Cost Burden by Tenure
 Des Moines 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	
Owner With a Mortgage									
2000 Census	4,909	81.9%	722	12%	354	5.9%	11	0.2%	5,996
2016 Five-Year ACS	5,068	75.5%	1,169	17.4%	458	6.8%	16	0.2%	6,711
Owner Without a Mortgage									
2000 Census	4,148	91.2%	237	5.2%	132	2.9%	32	0.7%	4,549
2016 Five-Year ACS	4,645	84.2%	447	8.1%	380	6.9%	46	0.8%	5,518
Renter									
2000 Census	2,709	62.2%	855	19.6%	480	11%	308	7.1%	4,352
2016 Five-Year ACS	2,224	50.2%	895	20.2%	971	21.9%	340	7.7%	4,430
Total									
2000 Census	11,766	79%	1,814	12.2%	966	6.5%	351	2.4%	14,897
2016 Five-Year ACS	11,937	71.7%	2,511	15.1%	1,809	10.9%	402	2.4%	16,659

Housing Problems by Income

Table II.30.50, at right, shows the HUD calculated Median Family Income (MFI) for a family of four for Des Moines County. As can be seen in 2017 the MFI was \$53,900, which compared to \$69,900 for the State of Iowa.

Table II.30.51, shows Comprehensive Housing Affordability Strategy (CHAS) data for housing problems by tenure and income. As can be seen there are a total of 1,565 owner-occupied and 694 renter-occupied households with a cost burden of greater than 30 percent and less than 50 percent. An additional 890 owner-occupied 1,030 renter-occupied households had a cost burden greater than 50 percent of income. Overall there are 12,260 households without a housing problem.

Table II.30.50
Median Family Income
 Des Moines County
 2000–2017 HUD MFI

Year	MFI	State of Iowa MFI
2000	47,300	49,100
2001	51,200	52,500
2002	51,200	53,700
2003	52,000	54,900
2004	52,300	55,800
2005	54,000	57,650
2006	54,000	57,800
2007	53,900	58,100
2008	54,500	58,500
2009	56,600	62,000
2010	57,900	62,400
2011	56,300	64,000
2012	57,000	64,800
2013	57,300	64,700
2014	57,800	65,300
2015	56,900	67,500
2016	54,600	68,400
2017	53,900	69,900

Table II.30.51
Housing Problems by Income and Tenure

Des Moines 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
Owner-Occupied						
Lacking complete plumbing or kitchen facilities	10	40	0	4	20	74
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	0	0	4	4	8
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	30	0	65	20	20	135
Housing cost burden greater than 50% of income (and none of the above problems)	570	175	80	20	45	890
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	140	480	575	160	210	1,565
Zero/negative income (and none of the above problems)	20	0	0	0	0	20
has none of the 4 housing problems	110	700	1,740	1,280	5,745	9,575
Total	880	1,395	2,460	1,488	6,044	12,267
Renter-Occupied						
Lacking complete plumbing or kitchen facilities	45	15	35	0	4	99
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	0	0	10	0	10
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	10	4	25	0	10	49
Housing cost burden greater than 50% of income (and none of the above problems)	880	100	50	0	0	1,030
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	195	240	255	4	0	694
Zero/negative income (and none of the above problems)	30	0	0	0	0	30
has none of the 4 housing problems	290	525	690	465	715	2,685
Total	1,450	884	1,055	479	729	4,597
Total						
Lacking complete plumbing or kitchen facilities	55	55	35	4	24	173
Severely Overcrowded with > 1.51 people per room (and complete kitchen and plumbing)	0	0	0	14	4	18
Overcrowded - With 1.01-1.5 people per room (and none of the above problems)	40	4	90	20	30	184
Housing cost burden greater than 50% of income (and none of the above problems)	1,450	275	130	20	45	1,920
Housing cost burden greater than 30% but less than 50% of income (and none of the above problems)	335	720	830	164	210	2,259
Zero/negative income (and none of the above problems)	50	0	0	0	0	50
has none of the 4 housing problems	400	1,225	2,430	1,745	6,460	12,260
Total	2,330	2,279	3,515	1,967	6,773	16,864

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 below only owner-occupied originated loans for single family units were considered. As can be seen in Table II.30.52 of the 698 loans in 2016, 349 loans were for Home Purchases, 86 were for Home Improvement and 263 were for refinancing.

Table II.30.52				
Owner-Occupied Single Family Home Loans by Loan Type				
Des Moines County 2008 – 2016 HMDA Data				
Year	Home Purchase	Home Improvement	Refinancing	Total
2008	283	68	312	663
2009	225	50	525	800
2010	235	78	495	808
2011	221	89	471	781
2012	239	76	489	804
2013	260	66	356	682
2014	282	80	186	548
2015	321	103	235	659
2016	349	86	263	698

Table II.30.53, shows the average loan value by loan type. In 2008, average home purchase loans was \$113,088 in 2012 and \$120,120 in 2016. Overall, average loans were \$81,428 in 2008 and \$110,828 in 2016.

Table II.30.53				
Owner-Occupied Single Family Home Loans by Average Loan Amount				
Des Moines County 2008 – 2016 HMDA Data				
Year	Home Purchase	Home Improvement	Refinancing	Total
2008	\$87,979	\$35,338	\$85,532	\$81,428
2009	\$98,662	\$29,420	\$95,112	\$92,005
2010	\$102,996	\$29,449	\$101,895	\$95,222
2011	\$104,023	\$46,258	\$96,686	\$93,015
2012	\$113,088	\$46,974	\$110,736	\$105,408
2013	\$116,412	\$39,803	\$100,711	\$100,802
2014	\$106,170	\$45,813	\$87,570	\$91,046
2015	\$122,321	\$44,447	\$107,617	\$104,906
2016	\$120,120	\$54,279	\$116,989	\$110,828

Table II.30.54, shows the total volume of owner-occupied single family loans. In 2008, average home purchase loans was \$27,028,000 in 2012 and \$41,922,000 in 2016. Overall, average loans were \$53,987,000 in 2008 and \$77,358,000 in 2016.

Table II.30.54				
Total Volume of Owner-Occupied Single Family Loans				
Des Moines County				
2008 – 2016 HMDA Data				
Year	Home Purchase	Home Improvement	Refinancing	Total
2008	\$24,898,000	\$2,403,000	\$26,686,000	\$53,987,000
2009	\$22,199,000	\$1,471,000	\$49,934,000	\$73,604,000
2010	\$24,204,000	\$2,297,000	\$50,438,000	\$76,939,000
2011	\$22,989,000	\$4,117,000	\$45,539,000	\$72,645,000
2012	\$27,028,000	\$3,570,000	\$54,150,000	\$84,748,000
2013	\$30,267,000	\$2,627,000	\$35,853,000	\$68,747,000
2014	\$29,940,000	\$3,665,000	\$16,288,000	\$49,893,000
2015	\$39,265,000	\$4,578,000	\$25,290,000	\$69,133,000
2016	\$41,922,000	\$4,668,000	\$30,768,000	\$77,358,000

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.30.55 presents some basic statistics about the completed surveys.

Table II.30.55				
Survey of Rental Properties				
Des Moines County				
2017 Survey of Rental Properties				
Year	Completed Surveys	Total Units	Vacancy Rate	Absorption Rate
2017	20	805	7.6	45.9

Table II.30.56, shows the amount of total and vacant units with their associated vacancy rates. At the time of the survey, there were an estimated 225 single family units in Des Moines County, with 23 of them available. This translates into a vacancy rate of 10.2 percent in Des Moines County, which compares to a single family vacancy rate of 6.7 percent for the State of Iowa. There were 550 apartment units reported in the survey, with 34 of them available, which resulted in a vacancy rate of 6.2 percent. This compares to a statewide vacancy rate of 6.7 percent for apartment units across the state.

Table II.30.56			
Rental Vacancy Survey by Type			
Des Moines County			
2017 Survey of Rental Properties			
Unit Type	Total Units	Vacant Units	Vacancy Rate
Single Family	225	23	10.2%
Apartments	550	34	6.2%
Mobile Homes	2	0	0%
"Other" Units	0	0	0%
Don't Know	28	4	14.3%
Total	805	61	7.6%

Table II.30.57, reports units by bedroom size. As can be seen there were 321 two bedroom apartment units and 91 three bedroom units. Overall, the 323 two bedroom units accounted for 40.1 percent of all units, and the 95 three bedroom units accounted for 11.8 percent. Several respondents choose not to provide bedroom sizes, which accounted for the 263 units listed as "Don't Know". Additional details for additional unit types are reported found below.

Table II.30.57						
Rental Units by Bedroom Size						
Des Moines County						
2017 Survey of Rental Properties						
Number of Bedrooms	Single Family Units	Apartment Units	Mobile Homes	“Other” Units	Don’t Know	Total
Efficiency	0	0	0	0	.	0
One	0	121	0	0	.	121
Two	1	321	1	0	.	323
Three	3	91	1	0	.	95
Four	0	3	0	0	.	3
Don’t Know	221	14	0	0	28	263
Total	225	550	2	0	28	805

Table II.30.58, at right, displays the vacancy rate of single family units by the number of bedrooms. Three-bedroom units were the most common type of reported single family unit, which had a vacancy rate of 0 percent.

Table II.30.58			
Single Family Units by Bedroom Size			
Des Moines County			
2017 Survey of Rental Properties			
Number of Bedrooms	Units	Available Units	Vacancy Rates
Studio	0	0	0%
One	0	0	0%
Two	1	0	0%
Three	3	0	0%
Four	0	0	0%
Don’t know	221	23	10.4%
Total	225	23	10.2%

Table II.30.59 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 8.7 percent.

Table II.30.59			
Apartment Units by Bedroom Size			
Des Moines County			
2017 Survey of Rental Properties			
Number of Bedrooms	Units	Available Units	Vacancy Rates
Efficiency	0	0	0%
One	121	1	0.8%
Two	321	28	8.7%
Three	91	3	3.3%
Four	3	0	0%
Don’t know	14	2	14.3%
Total	550	34	6.2%

Average market-rate rents by unit type are shown in Table II.30.60. 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.

Table II.30.60					
Average Market Rate Rents by Bedroom Size					
Des Moines 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	\$500	\$551.3	\$0	\$0	\$546.6
Two	\$600	\$644.4	\$450	\$0	\$630.2
Three	\$708.3	\$798.8	\$575	\$0	\$753.9
Four	\$900	\$869	\$0	\$0	\$884.5
Total	\$800.7	\$608.9	\$512.5	\$0	\$656.5

Table II.30.61, shows the average rental rates for assisted units by bedroom size and unit type. Since assistance is often based on income of the resident or other case by case determinations average assisted rents can vary across bedroom size.

Table II.30.61					
Average Assisted Rate Rents by Bedroom Size					
Des Moines 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	\$125	\$0	\$0	\$125
Two	\$0	\$0	\$0	\$0	\$0
Three	\$0	\$0	\$0	\$0	\$0
Four	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$125	\$0	\$0	\$125

Table II.30.62, shows vacancy rates for single family units by average rental rates for Des Moines County. The most common rent for single family units was between 75 and 1,000 dollars and the units in this price range had a vacancy rate of 10.1 percent.

Table II.30.62			
Single Family Market Rate Rents by Vacancy Status			
Des Moines County			
2017 Survey of Rental Properties			
Average Rents	Single Family Units	Available Single Family Units	Vacancy Rate
Less Than \$500	0	0	0%
\$500 to \$750	21	0	0%
\$750 to \$1,000	129	13	10.1%
\$1,000 to \$1,250	75	10	13.3%
\$1,250 to \$1,500	0	0	0%
Above \$1,500	0	0	0%
Missing	0	0	0%
Total	225	23	10.2%

The average rent and availability of apartment units is displayed in Table II.30.63. 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 7.3 percent.

Table II.30.63 Apartment Market Rate Rents by Vacancy Status Des Moines County 2017 Survey of Rental Properties			
Average Rents	Apartment Units	Available Apartment Units	Vacancy Rate
Less Than \$500	10	0	0%
\$500 to \$750	412	30	7.3%
\$750 to \$1,000	90	3	3.3%
\$1,000 to \$1,250	0	0	0%
\$1,250 to \$1,500	0	0	0%
Above \$1,500	0	0	0%
Missing	38	1	2.6%
Total	550	34	6.2%

Respondents were asked if utilities are included in the rent and as shown in Table II.30.64, 13 respondents, or 76.5 percent, included some sort of utility in the rent.

Table II.30.64 Are there any utilities included with the rent? Des Moines County 2017 Survey of Rental Properties	
Period	Respondent
Yes	13
No	4
% Offering Utilities	76.5%

The type of utility included in the rent is shown in Table II.30.65. There were 3 respondents who included electricity, 3 respondents who included natural gas, 12 respondents who included water and sewer and 12 respondents included trash collection in the rent.

Table II.30.65 Which utilities are included with the rent? Des Moines County 2017 Survey of Rental Properties	
Type of Utility Provided	Respondent
Electricity	3
Natural Gas	3
Water/Sewer	12
Trash Collection	12

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.30.66 there were 175 single family units which property managers considered accessible, with an additional 109 accessible apartment units. In addition to the units shown below there were 1 mobile homes and 0 “other” units, which property managers deemed accessible to persons with a disability. Respondents also indicated there were a total of 50 persons with disabilities currently residing in accessible units.

Table II.30.66						
Accessible Units by Bedroom Size						
Des Moines County						
2017 Survey of Rental Properties						
Number of Bedrooms	Single Family Units	Apartment Units	Mobile Homes	“Other” Units	Don’t Know	Total
Efficiency	0	0	0	0		0
One	0	44	0	0		44
Two	1	43	0	0		44
Three	1	10	0	0		11
Four	0	0	0	0		0
Don’t Know	173	12	1	0	2	188
Total	175	109	1	0	2	287

Table II.30.67, shows the breakdown of accessible and not accessible single family units by bedroom size. As can be seen 100 percent or 1 two bedroom single family units are accessible, with 33.3 percent of three bedroom units were considered accessible. Overall, 77.8 percent of all single family units were considered accessible by survey respondents.

Table II.30.67				
Single Family Units by Accessibility and Bedroom Size				
Des Moines County				
2017 Survey of Rental Properties				
Number of Bedrooms	Not Accessible	Accessible Units	Single Family Units	Percentage Accessible
Studio	0	0	0	%0
One	0	0	0	0%
Two	0	1	1	100%
Three	2	1	3	33.3%
Four	0	0	0	0%
Don’t know	48	173	221	78.3%
Total	50	175	225	77.8%

Table II.30.68, shows the breakdown of accessible and not accessible apartment units by bedroom size. As can be seen 13.4 percent or 43 two bedroom apartment units are accessible, with 11 percent of three bedroom units were considered accessible. Overall, 19.8 percent of all apartment units were considered accessible by survey respondents.

Table II.30.68 Apartment Units by Accessibility and Bedroom Size Des Moines County 2017 Survey of Rental Properties				
Number of Bedrooms	Not Accessible	Accessible Units	Apartment Units	Percentage Accessible
Studio	0	0	0	0%
One	77	44	121	36.4%
Two	278	43	321	13.4%
Three	81	10	91	11%
Four	3	0	3	0%
Don't know	2	12	14	85.7%
Total	441	109	550	19.8%

Perceived Need for Rental Units

Table II.30.69, 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 51 number of persons on the wait list.

Table II.30.69 Do you keep a waiting list? Des Moines County 2017 Survey of Rental Properties	
Period	Respondent
Yes	5
No	14
Waitlist Size	51

Respondents were also asked how they would rate the need for renovating existing units. As shown in Table II.30.70, 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.

Table II.30.70 How would you rate the need for renovation of existing units in the city? Des Moines County 2017 Survey of Rental Properties				
Need	Single Family	Apartments	Mobile Homes	Other Units
No Need	0	0	0	0
Low Need	3	3	3	0
Moderate Need	6	6	3	2
High Need	3	4	1	1
Extreme Need	0	0	0	0
Average Need	3	3.1	2.7	3.3

Respondents were also asked how they would rate the need for the constructing new units. As shown in Table II.30.71, 11 respondent said there was no need for new single family units, with 1 respondent saying there was extreme need for constructing new single family units. Likewise, 12 respondents indicated no need for new apartment units, with 1 respondent saying there was extreme need for constructing new apartment units.

Table II.30.71
How would you rate the need for construction of new units in the city?
 Des Moines County
 2017 Survey of Rental Properties

Need	Single Family	Apartments	Mobile Homes	Other Units
No Need	11	12	8	2
Low Need	0	0	0	0
Moderate Need	1	2	0	0
High Need	0	0	0	0
Extreme Need	1	1	1	1
Average Need	1.5	1.5	1.4	2.3

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.30.72, shows the *strong growth scenario* for the Des Moines County. As can be seen there were 12,229 owner-occupied and 4,430 renter-occupied households in 2016, for a total of 16,659 households. In 2030, there will be a projected 17,253 households, of which 12,905 are projected to be owner occupied and the remaining 4,348 are expected to be renter-occupied.

By 2050, there are projected to be 12,435 owner-occupied households, of which 886 owner-occupied households are expected to have incomes of 0-30 percent of MFI and 2,494 are projected to have incomes of 50.1-80.0 percent of MFI. In 2050, there are projected to be 4,086 renter households, of which 1,287 renter households are expected to have incomes between 0 and 30.0 percent of median family income 936 renter households with incomes between 50.1-80.0



percent of MFI. Overall households are projected to reach 16,521 occupied units by 2050, of which 2,173 are expected to have incomes on between 0 and 30 percent of MFI.

Table II.30.72 Housing Demand Forecast								
Des Moines County Strong Growth Scenario								
Income (% of MFI)	2016	2020	2025	2030	2035	2040	2045	2050
Owner								
0-30%	872	916	920	920	916	908	898	886
30.1-50%	1,391	1,463	1,468	1,468	1,462	1,450	1,433	1,415
50.1-80%	2,453	2,580	2,588	2,589	2,578	2,556	2,527	2,494
80.1-95%	1,182	1,243	1,247	1,247	1,242	1,231	1,217	1,202
95.1-115%	1,406	1,479	1,484	1,484	1,477	1,465	1,449	1,430
115+%	4,925	5,179	5,197	5,198	5,175	5,132	5,074	5,008
Total	12,229	12,859	12,903	12,905	12,849	12,742	12,599	12,435
Renter								
0-30%	1,395	1,393	1,382	1,369	1,353	1,334	1,312	1,287
30.1-50%	851	850	844	836	826	814	800	785
50.1-80%	1,015	1,014	1,006	996	985	971	954	936
80.1-95%	399	399	396	392	387	382	375	368
95.1-115%	231	231	229	227	224	221	217	213
115+%	539	538	534	529	523	515	507	497
Total	4,430	4,425	4,389	4,348	4,298	4,237	4,165	4,086
Total								
0-30%	2,266	2,310	2,302	2,289	2,269	2,242	2,209	2,173
30.1-50%	2,243	2,313	2,311	2,304	2,288	2,264	2,234	2,200
50.1-80%	3,468	3,593	3,594	3,585	3,562	3,527	3,482	3,431
80.1-95%	1,581	1,641	1,642	1,639	1,629	1,613	1,593	1,570
95.1-115%	1,637	1,709	1,712	1,710	1,701	1,686	1,666	1,643
115+%	5,464	5,717	5,731	5,726	5,698	5,647	5,581	5,505
Total	16,659	17,284	17,292	17,253	17,148	16,979	16,764	16,521