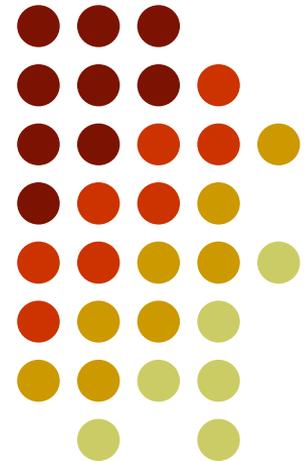


Economic Recession and Recovery in America's Heartland

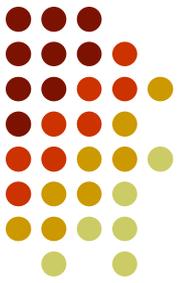
Understanding the Labor Market Impacts of the Great Recession
and its Meaning for Workforce Development Initiatives in the
Coming Months

Paul Harrington
Center for Labor Market Studies
Northeastern University
Boston, Massachusetts

Heartland Conference
Chicago, Illinois
April 7, 2010



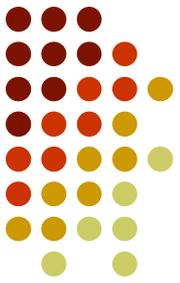
Origins of the Downturn



- Housing bubble finance by huge increase in consumer debt
- Household portfolios become ‘one trick pony’s, with assets of middle class largely tied to housing values
- Housing values fueled by low interest rates, poor underwriting standards, radical increase in use of mortgage backed securities, lax regulation and lousy performance by accounting and market rating firms
- Public policies designed to encourage home ownership almost exclusively through debt
- A bi-partisan disaster in the making

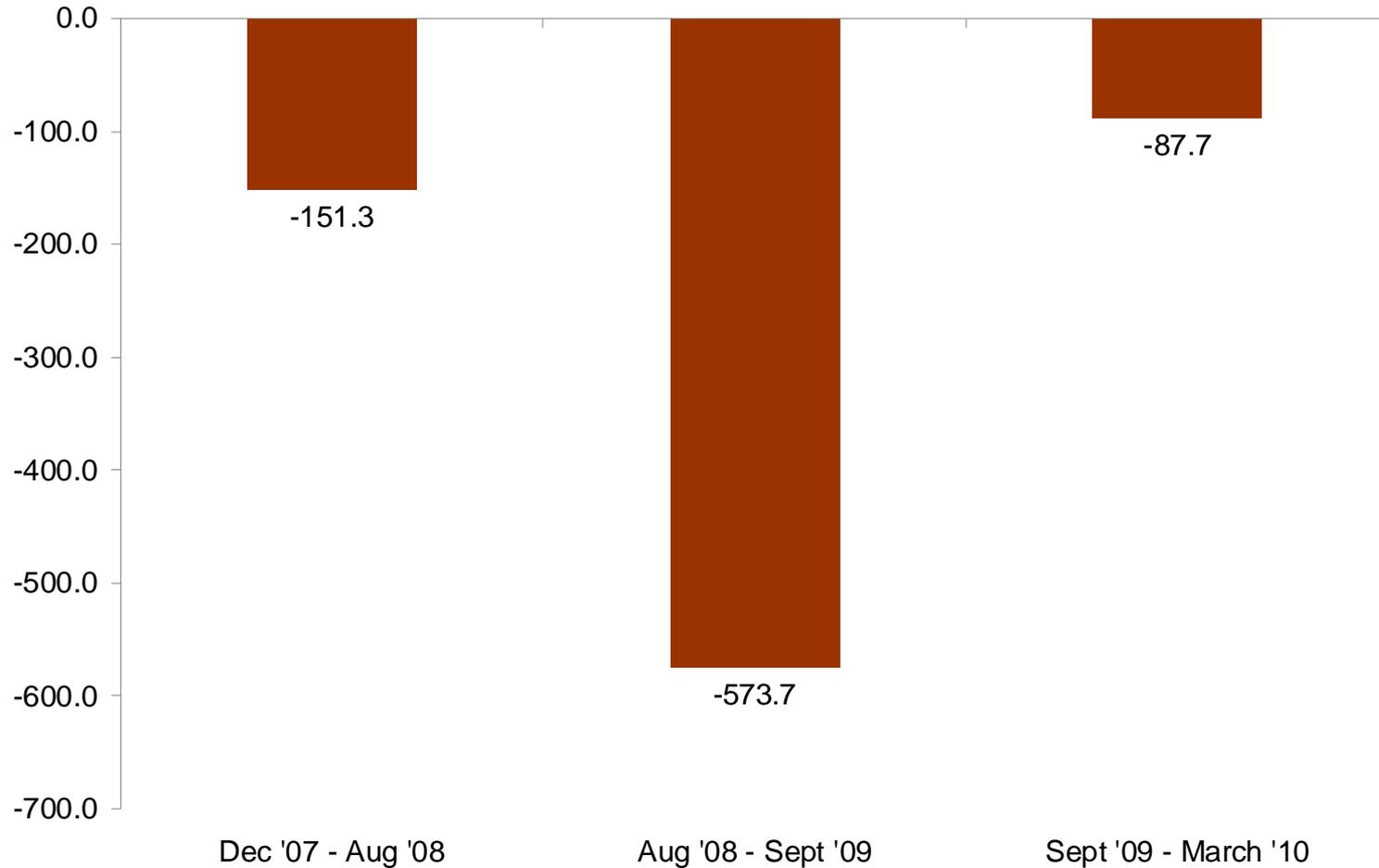
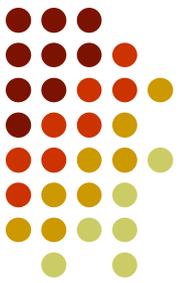
Three Stages of the Downturn

Stage 1: Run of the Mill Recession

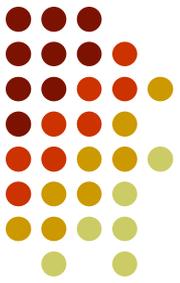


- December 2007 to August 2008:
 - Typical post WW II recession, Job losses average about 151,000 per month
 - Unemployment rate rises from 5.0 to 6.1 percent
 - Rising energy prices initially seen as key source of slowdown

Trends in Non Agricultural Wage and Salary Employment in the U.S. During the Great Recession

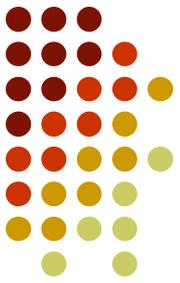


Stage Two: Panic



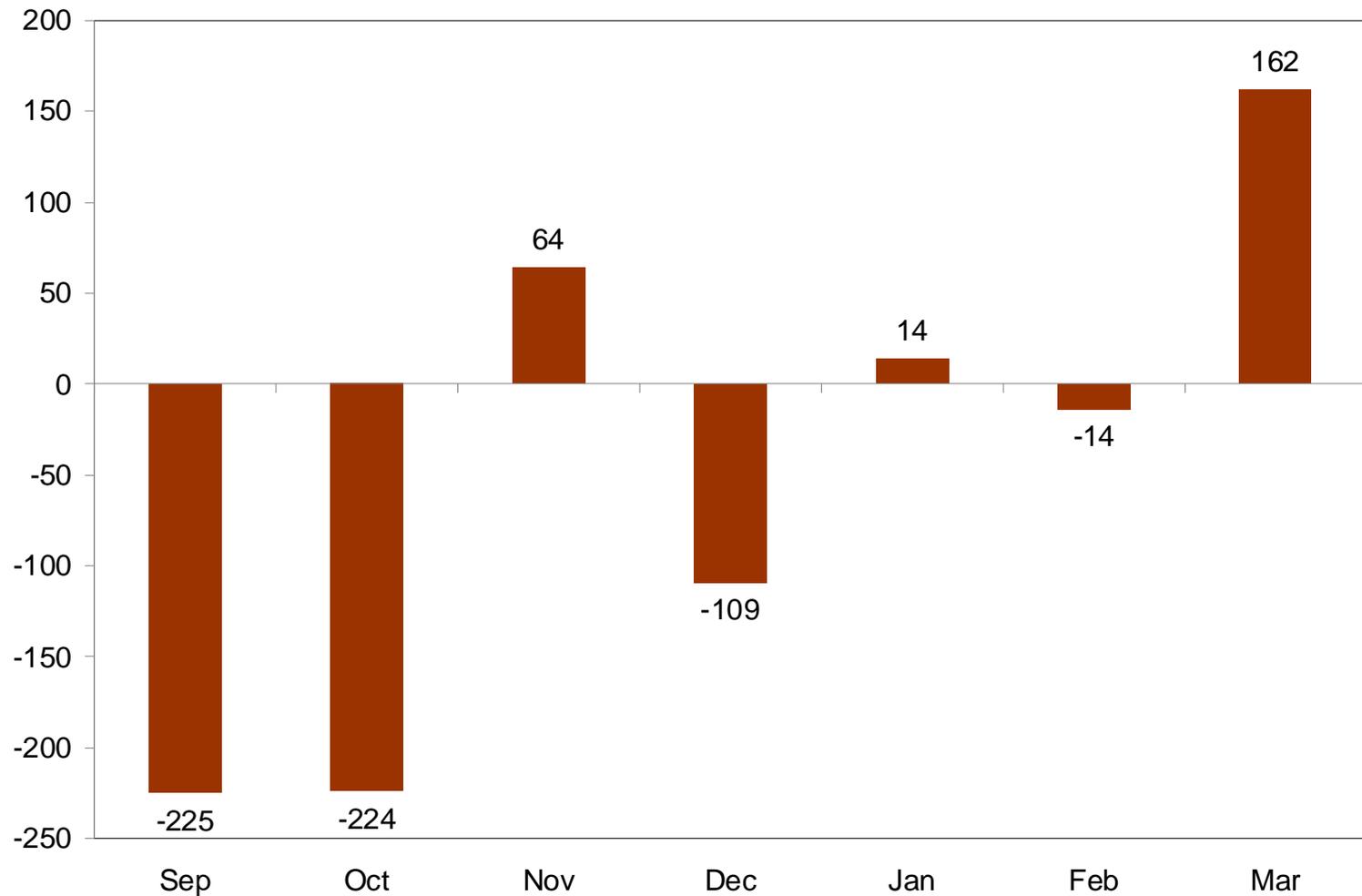
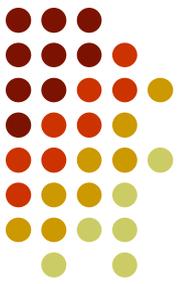
- Lehman Brothers collapse; Credit crisis (and crisis of confidence) immediately exerts a powerful influence on real economy
- URATE rises from 6.1 to 9.8 a rise of 5.6 million in open unemployment
- Job losses grown at an extraordinary pace: Lose and average of 575,000 payroll jobs per month

Stage 3: Going Sideways

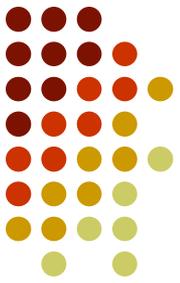


- Some argue that recession ends in September 2009 as GDP rises sharply in 4th quarter last year
- Rate of job loss slows: Mean rate of employment loss fall to about 88,000 per month over the fall and winter
- Unemployment levels stabilizes at around 15 million 'open unemployed workers'
- Overall URATE remains in the 10 percent area

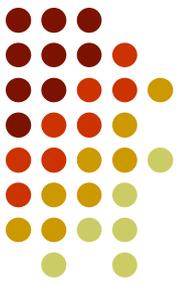
Trends in the Change in Non Agricultural Payroll Employment From Prior Month, September, 2009 to March 2010, in the U.S. (in 000s)



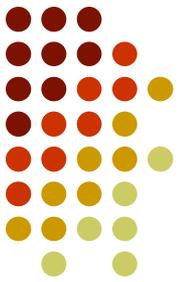
Who Has Borne Burden of Recession?



- Teens and young adults
- Men, especially Black men
- High School Dropouts and High School Graduates
- Lowest income groups

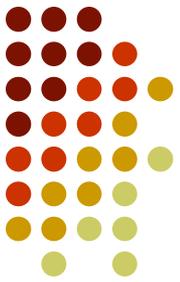


1. What are the industry and occupational sources of job losses?
2. How has individuals adjusted for deteriorating employment conditions
 - Part-time
 - Out of the labor force
 - Movement down job quality queue (college graduate)
3. What are relation supply and demand conditions in the nation
 - U / V ratio
 - U / V by industry



4. What has been the nature of economic change experienced in the U.S.?
- Three phases of downturn
 - Typical
 - Panic & Crash
 - Going Sideways
 - What will nature of recovery look like
 - Predicting gain
 - Substitution of capital for labor
 - Equipment – manufacturing

Trends in Wage and Salary Employment in the Heartland Region over Three Periods of the Great Recession



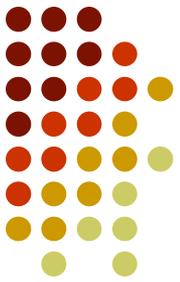
	Dec 2007 – Aug 2008	Aug 2008 – Sept 2009	Sep 2009 – Feb 2010
Illinois	36.7	-315.7	-58.2
Indiana	17.4	-166.1	-42.3
Iowa	-1.2	-48.3	-11.1
Kansas	-0.4	-55.8	-7.6
Michigan	91.0	-329.7	13.5
Minnesota	7.5	-121.7	-9.0
Missouri	6.2	-82.7	-60.8
Nebraska	-1.2	-20.1	-12.2
Ohio	49.4	-272.3	-94.5
Wisconsin	22.6	-130.2	-25.9
Heartland	228.0	-1,542.6	-308.1

Mean Monthly Job Losses in the Heartland Region over Three Periods of the Great Recession



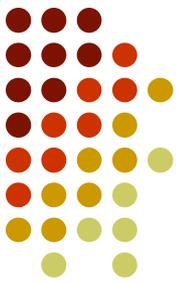
	Dec. 2007 – Aug. 2008	Aug. 2008 – Sept. 2009	Sept. 2009 – Feb. 2010
Illinois	4.6	-24.3	-11.6
Indiana	2.2	-12.8	-8.5
Iowa	-0.2	-3.7	-2.2
Kansas	-0.1	-4.3	-1.5
Michigan	11.4	-25.4	2.7
Minnesota	0.9	-9.4	-1.8
Missouri	0.8	-6.4	-12.2
Nebraska	-0.2	-1.5	-2.4
Ohio	6.2	-20.9	-18.9
Wisconsin	2.8	-10.0	-5.2
Heartland	28.5	-118.7	-61.6

Trends in Wage and Salary Employment in the Heartland Region over the Great Recession



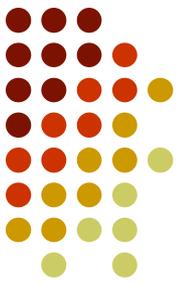
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	5,991.2	5,580.6	-410.6	-6.9%
Indiana	2,987.5	2,761.7	-225.8	-7.6%
Iowa	1,524.0	1,465.8	-58.2	-3.8%
Kansas	1,386.3	1,323.3	-63	-4.5%
Michigan	4,242.0	3,834.8	-407.2	-9.6%
Minnesota	2,772.2	2,634.0	-138.2	-5.0%
Missouri	2,799.4	2,649.7	-149.7	-5.3%
Nebraska	963.3	932.2	-31.1	-3.2%
Ohio	5,418.7	5,002.5	-416.2	-7.7%
Wisconsin	2,889.0	2,710.3	-178.7	-6.2%
Heartland	30,973.6	28,894.9	-2,078.7	-6.7%

Trends in Wage and Salary Employment in the Heartland Region by Major Industry Sector During the First Phase of the Recession



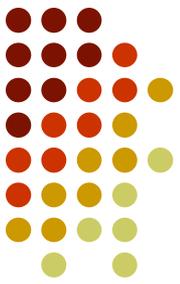
	December 2007	August 2008	Absolute Change	Relative Change
Heartland	30,973.6	30,745.6	-228.0	-0.7%
Construction	1,373.8	1,322.6	-51.2	-3.7%
Manufacturing	4,241.9	4,107.5	-134.4	-3.2%
Trade, Transportation, Utilities	5,886.3	5,835.1	-51.2	-0.9%
Information	571.7	564.3	-7.4	-1.3%
Financial Services	1,793.8	1,770.3	-23.5	-1.3%
Professional and Business Services	3,749.3	3,693.8	-55.5	-1.5%
Education & Health	4,332.1	4,398.3	66.2	1.5%
Leisure & Hospitality	2,846.3	2,825.0	-21.3	-0.7%
Other Services	1,291.9	1,298.1	6.2	0.5%
Government	4,676.4	4,718.6	42.2	0.9%

Trends in Wage and Salary Employment in the Heartland Region by Major Industry Sector During the Second Phase of the Recession



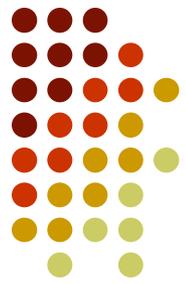
	August 2008	September 2009	Absolute Change	Relative Change
Heartland	30,745.6	29,203.0	-1,542.6	-5.0%
Construction	1,322.6	1,119.3	-203.3	-15.4%
Manufacturing	4,107.5	3,547.9	-559.6	-13.6%
Trade, Transportation, Utilities	5,835.1	5,542.1	-293	-5.0%
Information	564.3	533.2	-31.1	-5.5%
Financial Services	1,770.3	1,709.9	-60.4	-3.4%
Professional and Business Services	3,693.8	3,375.6	-318.2	-8.6%
Education & Health	4,398.3	4,453.0	54.7	1.2%
Leisure & Hospitality	2,825.0	2,767.1	-57.9	-2.0%
Other Services	1,298.1	1,252.2	-45.9	-3.5%
Government	4,718.6	4,694.1	-24.5	-0.5%

Trends in Wage and Salary Employment in the Heartland Region by Major Industry Sector During the Current Phase of the Recession



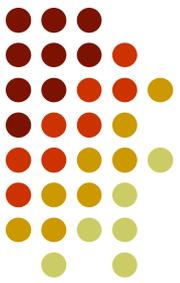
	September 2009	February 2010	Absolute Change	Relative Change
Heartland	29,203.0	28,894.9	-308.1	-1.1%
Construction	1,119.3	1,043.3	-76.0	-6.8%
Manufacturing	3,547.9	3,467.4	-80.5	-2.3%
Trade, Transportation, Utilities	5,542.1	5,429.6	-112.5	-2.0%
Information	533.2	512.9	-20.3	-3.8%
Financial Services	1,709.9	1,673.0	-36.9	-2.2%
Professional and Business Services	3,375.6	3,409.2	33.6	1.0%
Education & Health	4,453.0	4,507.5	54.5	1.2%
Leisure & Hospitality	2,767.1	2,710.7	-56.4	-2.0%
Other Services	1,252.2	1,245.2	-7.0	-0.6%
Government	4,694.1	4,690.0	-4.1	-0.1%

Trends in Wage and Salary Employment in the Heartland Region by Major Industry Sector December 2007 to February 2010



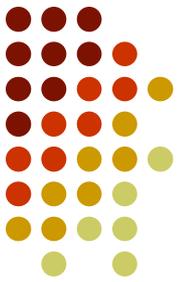
	December 2007	February 2010	Absolute Change	Relative Change
Heartland	30,973.6	28,894.9	-2,078.7	-6.7%
Construction	1,373.8	1,043.3	-330.5	-24.1%
Manufacturing	4,241.9	3,467.4	-774.5	-18.3%
Trade, Transportation, Utilities	5,886.3	5,429.6	-456.7	-7.8%
Information	571.7	512.9	-58.8	-10.3%
Financial Services	1,793.8	1,673.0	-120.8	-6.7%
Professional and Business Services	3,749.3	3,409.2	-340.1	-9.1%
Education & Health	4,332.1	4,507.5	175.4	4.0%
Leisure & Hospitality	2,846.3	2,710.7	-135.6	-4.8%
Other Services	1,291.9	1,245.2	-46.7	-3.6%
Government	4,676.4	4,690.0	13.6	0.3%

Trends in Construction Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



	December 2007	February 2010	Absolute Change	Relative Change
Illinois	267.7	200.1	-67.6	-25.3%
Indiana	150	113.1	-36.9	-24.6%
Iowa	72.4	63.5	-8.9	-12.3%
Kansas	65.4	55.1	-10.3	-15.7%
Michigan	162.2	118.7	-43.5	-26.8%
Minnesota	116.3	86.8	-29.5	-25.4%
Missouri	145.4	98.9	-46.5	-32.0%
Nebraska	50.3	46.3	-4	-8.0%
Ohio	220.3	163.6	-56.7	-25.7%
Wisconsin	123.8	97.2	-26.6	-21.5%
Construction	1,373.8	1,043.3	-330.5	-24.1%

Trends in Manufacturing Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



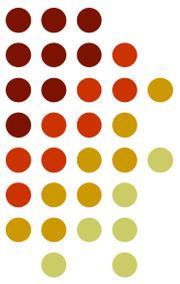
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	670.8	555.1	-115.7	-17.2%
Indiana	545.3	432.5	-112.8	-20.7%
Iowa	230.7	198.7	-32	-13.9%
Kansas	187.9	161.1	-26.8	-14.3%
Michigan	605.9	455.3	-150.6	-24.9%
Minnesota	339.9	294.0	-45.9	-13.5%
Missouri	296.6	248.0	-48.6	-16.4%
Nebraska	102.2	92.3	-9.9	-9.7%
Ohio	762.6	607.5	-155.1	-20.3%
Wisconsin	500.0	422.9	-77.1	-15.4%
Manufacturing	4,241.9	3,467.4	-774.5	-18.3%

Trends in Trade Transportation and Utilities Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



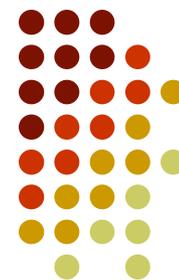
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	1,216.1	1,126.6	-89.5	-7.4%
Indiana	586.2	547.3	-38.9	-6.6%
Iowa	308.7	298.7	-10	-3.2%
Kansas	116.0	103.7	-12.3	-10.6%
Michigan	782.9	703.4	-79.5	-10.2%
Minnesota	528.6	494.9	-33.7	-6.4%
Missouri	547.9	514.6	-33.3	-6.1%
Nebraska	205.6	192.1	-13.5	-6.6%
Ohio	1,049.8	947.6	-102.2	-9.7%
Wisconsin	544.5	500.7	-43.8	-8.0%
Trade, Transportation, Utilities	5,886.3	5,429.6	-456.7	-7.8%

Trends in Information Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



	December 2007	February 2010	Absolute Change	Relative Change
Illinois	116.0	103.7	-12.3	-10.6%
Indiana	40.0	36.2	-3.8	-9.5%
Iowa	33.3	29.6	-3.7	-11.1%
Kansas	40.1	33.3	-6.8	-17.0%
Michigan	63.5	51.5	-12	-18.9%
Minnesota	57.7	54.6	-3.1	-5.4%
Missouri	64.2	62.4	-1.8	-2.8%
Nebraska	19.3	16.9	-2.4	-12.4%
Ohio	87.2	77.5	-9.7	-11.1%
Wisconsin	50.4	47.2	-3.2	-6.3%
Information	571.7	512.9	-58.8	-10.3%

Trends in Financial Services Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



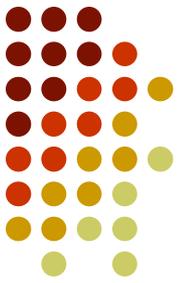
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	398.1	366.9	-31.2	-7.8%
Indiana	137.6	131.0	-6.6	-4.8%
Iowa	103.2	100.9	-2.3	-2.2%
Kansas	74.0	69.8	-4.2	-5.7%
Michigan	209.0	185.6	-23.4	-11.2%
Minnesota	178.7	168.9	-9.8	-5.5%
Missouri	166.0	160.6	-5.4	-3.3%
Nebraska	68.6	66.5	-2.1	-3.1%
Ohio	294.7	266.5	-28.2	-9.6%
Wisconsin	163.9	156.3	-7.6	-4.6%
Financial Services	1,793.8	1,673.0	-120.8	-6.7%

Trends in Professional & Business Service Industry Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



	December 2007	February 2010	Absolute Change	Relative Change
Illinois	875.3	777.4	-97.9	-11.2%
Indiana	291.3	269	-22.3	-7.7%
Iowa	122.8	117.6	-5.2	-4.2%
Kansas	146.7	135	-11.7	-8.0%
Michigan	577.4	514.2	-63.2	-10.9%
Minnesota	330.2	312.9	-17.3	-5.2%
Missouri	340.4	311	-29.4	-8.6%
Nebraska	106.3	98.8	-7.5	-7.1%
Ohio	674.7	619.7	-55.0	-8.2%
Wisconsin	284.2	253.6	-30.6	-10.8%
Professional and Business Services	3,749.3	3,409.2	-340.1	-9.1%

Trends in Education and Health Services Industries Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



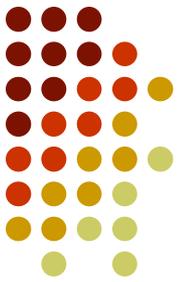
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	789.2	827.4	38.2	4.8%
Indiana	401.3	412.0	10.7	2.7%
Iowa	205.1	213.9	8.8	4.3%
Kansas	173.8	180.9	7.1	4.1%
Michigan	603.2	623.5	20.3	3.4%
Minnesota	434.3	455.2	20.9	4.8%
Missouri	388.5	407.3	18.8	4.8%
Nebraska	131.0	136.4	5.4	4.1%
Ohio	804.8	832.6	27.8	3.5%
Wisconsin	400.9	418.3	17.4	4.3%
Education & Health	4,332.1	4,507.5	175.4	4.0%

Trends in Leisure & Hospitality Services Industries Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



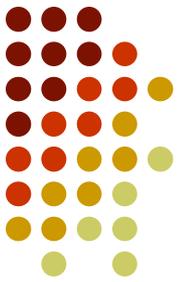
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	534.1	507.8	-26.3	-4.9%
Indiana	283.3	272.5	-10.8	-3.8%
Iowa	137.0	129.4	-7.6	-5.5%
Kansas	113.9	111.6	-2.3	-2.0%
Michigan	405.5	373.9	-31.6	-7.8%
Minnesota	247.9	234.0	-13.9	-5.6%
Missouri	281.7	270.2	-11.5	-4.1%
Nebraska	82.5	79.5	-3.0	-3.6%
Ohio	498.5	479.6	-18.9	-3.8%
Wisconsin	261.9	252.2	-9.7	-3.7%
Leisure & Hospitality	2,846.3	2,710.7	-135.6	-4.8%

Trends in Other Services Industries Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010



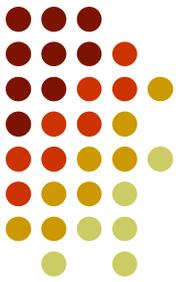
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	262.0	252.9	-9.1	-3.5%
Indiana	111.9	105.1	-6.8	-6.1%
Iowa	57.8	57.8	0.0	0.0%
Kansas	52.8	53.0	0.2	0.4%
Michigan	176.7	165.8	-10.9	-6.2%
Minnesota	116.4	112.7	-3.7	-3.2%
Missouri	120.1	116.8	-3.3	-2.7%
Nebraska	35.1	35.4	0.3	0.9%
Ohio	221.1	210.0	-11.1	-5.0%
Wisconsin	138.0	135.7	-2.3	-1.7%
Other Services	1,291.9	1,245.2	-46.7	-3.6%

Trends in Government Wage and Salary Employment in the Heartland Region by State December 2007 to February 2010

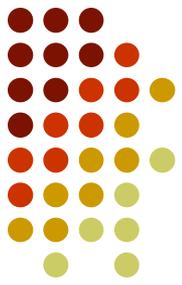


	December 2007	February 2010	Absolute Change	Relative Change
Illinois	852.2	853.3	1.1	0.1%
Indiana	433.7	436.2	2.5	0.6%
Iowa	250.8	253.5	2.7	1.1%
Kansas	259.0	262.1	3.1	1.2%
Michigan	648.1	635.6	-12.5	-1.9%
Minnesota	416.0	415.5	-0.5	-0.1%
Missouri	442.9	456.0	13.1	3.0%
Nebraska	162.4	168.0	5.6	3.4%
Ohio	793.3	786.6	-6.7	-0.8%
Wisconsin	418.0	423.2	5.2	1.2%
Government	4,676.4	4,690.0	13.6	0.3%

Trends in Employment by Major Occupational Group in the Heartland Region



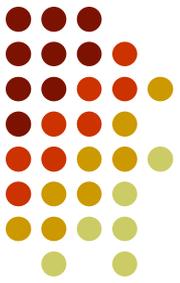
	2007 IV	2009 IV	Absolute Change	Relative Change	Share of Loss
College Labor Market	12,553,940	12,364,400	-189,540	-1.5%	9.3%
Services Occupations	5,186,795	5,357,347	170,552	3.3%	-8.4%
Sales/Clerical	6,721,784	6,061,854	-659,930	-9.8%	32.4%
Blue Collar	8,082,428	6,726,241	-1,356,187	-16.8%	66.6%
All Occupations	32,544,947	30,509,842	-2,035,105	-6.3%	100.0%



Trends in Employment in College Labor Market Occupations in the Heartland Region

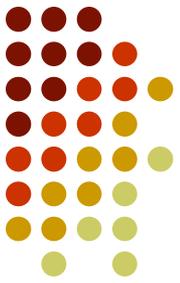
	2007 IV	2009 IV	Absolute Change	Relative Change
Management	3,483,154	3,201,658	-281,496	-8.1%
Business and Financial Operations	1,264,590	1,248,770	-15,820	-1.3%
Computer and Mathematical	660,344	744,804	84,460	12.8%
Architecture and Engineering	687,579	592,506	-95,073	-13.8%
Life, Physical, and Social Science	247,519	290,206	42,687	17.2%
Community and Social Services	504,002	567,964	63,962	12.7%
Legal	312,832	323,498	10,666	3.4%
Education, Training, and Library	1,943,258	1,972,858	29,600	1.5%
Arts, Design, Entertainment, Sports, and Media	513,285	529,259	15,974	3.1%
Healthcare Practitioners and Technical	1,709,934	1,789,094	79,160	4.6%
High Level Sales	1,227,443	1,103,783	-123,660	-10.1%
College Labor Market	12,553,940	12,364,400	-189,540	-1.5%

Trends in Employment in Service Occupations in the Heartland Region



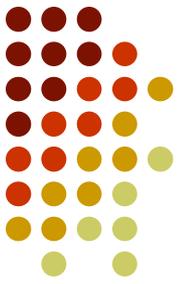
	2007 IV	2009 IV	Absolute Change	Relative Change
Building and Grounds Cleaning and Maintenance	1,092,571	1,131,843	39,272	3.6%
Healthcare Support	805,190	801,715	-3,475	-0.4%
Protective Service	391,914	397,732	5,818	1.5%
Security/Crossing Guards	168,921	145,927	-22,994	-13.6%
Food Preparation and Serving Related	1,749,425	1,788,242	38,817	2.2%
Personal Care and Service	978,774	1,091,888	113,114	11.6%
Services Occupations	5,186,795	5,357,347	170,552	3.3%

Trends in Employment in Sales and Clerical Occupations in the Heartland Region



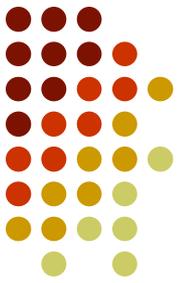
	2007 IV	2009 IV	Absolute Change	Relative Change
Low Level Sales	2,306,809	2,188,497	-118,312	-5.1%
Office and Administrative Support	4,414,975	3,873,357	-541,618	-12.3%
Sales/Clerical	6,721,784	6,061,854	-659,930	-9.8%

Trends in Employment in Blue Collar Occupations in the Heartland Region



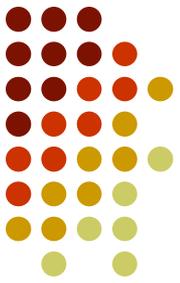
	2007 IV	2009 IV	Absolute Change	Relative Change
Farming, Fishing, and Forestry	168,999	185,326	16,327	10%
Construction and extraction	1,737,536	1,402,969	-334,567	-19%
Installation, Maintenance, and Repair Workers	1,189,383	977,624	-211,759	-18%
Production	2,837,934	2,176,972	-660,962	-23%
Transportation and Material Moving	2,148,576	1,983,350	-165,226	-8%
Blue Collar	8,082,428	6,726,241	-1,356,187	-17%

Trends in the Number of Employed Persons in the Heartland Region, By Gender



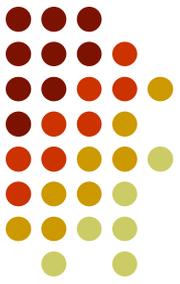
	2007 IV	2009 IV	Absolute Change	Relative Change
All (16+)	32,544,945	30,509,843	-2,035,102	-6.3%
Male	17,055,652	15,798,782	-1,256,870	-7.4%
Female	15,489,293	14,711,061	-778,232	-5.0%

Trends in the Number of Employed Persons in the Heartland Region, By Race/Ethnicity



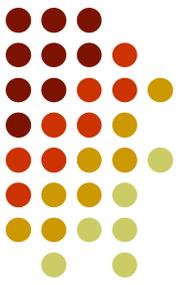
	2007 IV	2009 IV	Absolute Change	Relative Change
White	26,943,544	25,329,210	-1,614,334	-6.0%
Black	2,590,913	2,386,032	-204,881	-7.9%
Asian	782,341	744,988	-37,353	-4.8%
Hispanic	1,786,307	1,648,697	-137,610	-7.7%
Other	441,839	400,916	-40,923	-9.3%

Trends in the Number of Employed Persons in the Heartland Region, By Age



	2007 IV	2009 IV	Absolute Change	Relative Change
16-19	1,465,493	1,224,012	-241,481	-16.5%
20-24	3,079,631	2,837,218	-242,413	-7.9%
25-34	6,675,799	6,287,391	-388,408	-5.8%
35-54	9,755,430	9,124,609	-630,821	-6.5%
55-64	4,510,173	4,575,163	64,990	1.4%
65+	1,248,685	1,309,350	60,665	4.9%

Trends in the Number of Employed Persons Among Persons Aged 25+ by Educational Attainment in the Heartland Region



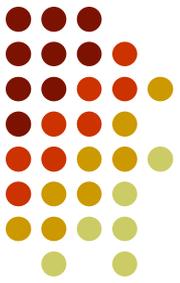
	2007 IV	2009 IV	Absolute Change	Relative Change
<12 or 12, No H.S. Diploma	1,688,466	1,551,022	-137,444	-8.1%
H.S. Diploma/GED	8,583,693	8,013,032	-570,661	-6.6%
Some College	8,480,780	7,905,784	-574,996	-6.8%
Bachelor Degree	6,141,436	5,838,714	-302,722	-4.9%
Master's or Higher Degree	3,105,446	3,140,062	34,616	1.1%
Total	27,999,821	26,448,614	-1,551,207	-5.5%

Trends in the Size of the Heartland Labor Force, By State



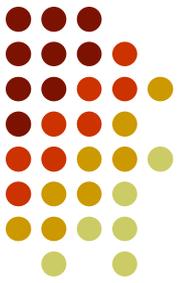
	December 2007	February 2010	Absolute Change	Relative Change
Illinois	6719.5	6641.1	-78.4	-1.2%
Indiana	3,235.8	3,118.6	-117.2	-3.6%
Iowa	1,673.4	1,682.9	9.4	0.6%
Kansas	1,485.9	1,516.8	30.9	2.1%
Michigan	5,018.7	4,844.2	-174.5	-3.5%
Minnesota	2,912.6	2,980.0	67.4	2.3%
Missouri	3,056.4	2,990.1	-66.3	-2.2%
Nebraska	989.4	985.6	-3.9	-0.4%
Ohio	5,984.7	5,928.9	-55.8	-0.9%
Wisconsin	3,092.3	3,039.2	-53.1	-1.7%
Heartland	34,168.7	33,727.3	-441.4	-1.3%

Trends in the Size of the Labor Force in the Heartland Region, By Gender



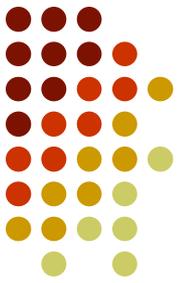
Group	2007 IV	2009 IV	Absolute Change	Relative Change
All (16+)	34,268,466	33,805,064	-463,402	-1.4%
Male	17,991,637	17,792,489	-199,148	-1.1%
Female	16,276,829	16,012,575	-264,254	-1.6%

Trends in the Size of the Labor Force in the Heartland Region, By Race/Ethnicity

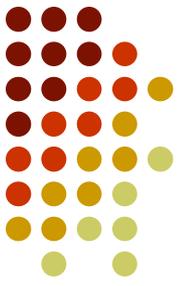


Group	2007 IV	2009 IV	Absolute Change	Relative Change
White	28,125,855	27,684,322	-441,533	-1.6%
Black	2,946,119	2,923,712	-22,407	-0.8%
Asian	808,614	801,421	-7,193	-0.9%
Hispanic	1,906,675	1,928,128	21,453	1.1%
Other	481,202	467,481	-13,721	-2.9%

Trends in the Size of the Labor Force in the Heartland Region, By Age



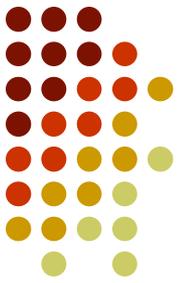
Group	2007 IV	2009 IV	Absolute Change	Relative Change
16-19	1,730,307	1,582,092	-148,215	-8.6%
20-24	3,374,354	3,305,749	-68,605	-2.0%
25-34	7,027,125	7,017,331	-9,794	-0.1%
35-54	16,184,186	15,598,227	-585,959	-3.6%
55-64	4,666,809	4,921,697	254,888	5.5%
65+	1,285,685	1,379,969	94,284	7.3%



Trends in the Size of the Labor Force (aged 25+) in the Heartland Region, By Educational Attainment

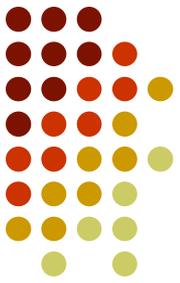
Group	2007 IV	2009 IV	Absolute Change	Relative Change
<12 or 12, No H.S. Diploma	1,891,768	1,868,882	-22,886	-1.2%
H.S. Diploma/GED	9,059,598	9,002,956	-56,642	-0.6%
Some College	8,789,283	8,677,049	-112,234	-1.3%
Bachelor Degree	6,273,954	6,119,185	-154,769	-2.5%
Master's or Higher Degree	3,149,202	3,249,153	99,951	3.2%
Total	29,163,805	28,917,225	-246,580	-0.8%

Trends in the Number of Unemployed in the Heartland Region, By Gender



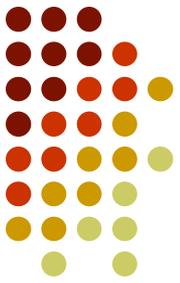
Group	Level of Unemployment				Unemployment Rate	
	2007 IV	2009 IV	Absolute Change	Relative Change	2007 IV	2009 IV
All (16+)	1,723,521	3,295,221	1,571,700	91.2%	5.0	9.7
Male	935,985	1,993,707	1,057,722	113.0%	5.2	11.2
Female	787,536	1,301,514	513,978	65.3%	4.8	8.1

Trends in the Number of Unemployed in the Heartland Region, By Race/Ethnicity



Group	Level of Unemployment				Unemployment Rate	
	2007 IV	2009 IV	Absolute Change	Relative Change	2007 IV	2009 IV
White	1,182,311	2,355,112	1,172,801	99.2%	4.2	8.5
Black	355,206	537,680	182,474	51.4%	12.1	18.4
Asian	26,273	56,433	30,160	114.8%	3.2	7.0
Hispanic	120,368	279,431	159,063	132.1%	6.3	14.5
Other	39,363	66,565	27,202	69.1%	8.2	14.2

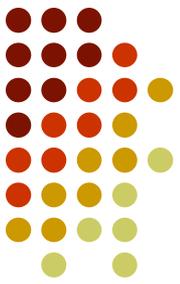
Trends in the Number of Unemployed in the Heartland Region, by Age



Level of Unemployment Unemployment Rate

Group	Level of Unemployment				Unemployment Rate	
	2007 IV	2009 IV	Absolute Change	Relative Change	2007 IV	2009 IV
16-19	264,814	358,080	93,266	35.2%	15.3	22.6
20-24	294,723	468,531	173,808	59.0%	8.7	14.2
25-34	559,537	826,611	267,074	47.7%	4.9	10.4
35-54	619,023	1,321,517	702,494	113.5%	3.8	8.2
55-64	156,636	346,534	189,898	121.2%	3.4	7.0
65+	37,000	70,619	33,619	90.9%	2.9	5.1

Trends in the Number of Unemployed Persons Aged 25+ in the Heartland Region, By Educational Attainment

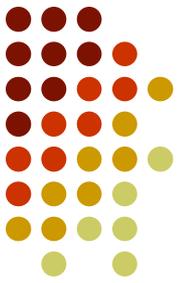


Level of Unemployment

Unemployment Rate

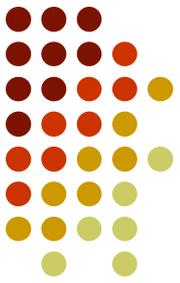
Group	Level of Unemployment		Absolute Change	Relative Change	Unemployment Rate	
	2007 IV	2009 IV			2007 IV	2009 IV
<12 or 12, No H.S. Diploma	203,302	317,860	114,558	56.3%	10.7	17.0
H.S. Diploma/GED	475,905	989,924	514,019	108.0%	5.3	11.0
Some College	308,503	771,265	462,762	150.0%	3.5	8.9
Bachelor Degree	132,518	280,471	147,953	111.6%	2.1	4.6
Master's or Higher Degree	43,756	109,091	65,335	149.3%	1.4	3.4
Total	1,163,984	2,468,611	1,304,627	112.1%	4.0	8.5

Trends in the Number of Under-Employed in the Heartland Region, By Gender



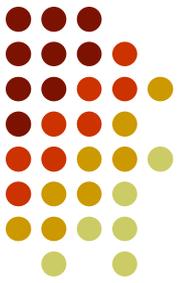
Group	2007 IV	2009 IV	Absolute Change	Relative Change
All (16+)	992,603	1,812,359	819,756	82.6%
Male	494,496	932,680	438,184	88.6%
Female	498,107	879,679	381,572	76.6%

Trends in the Number of Under-Employed in the Heartland Region, By Race/Ethnicity



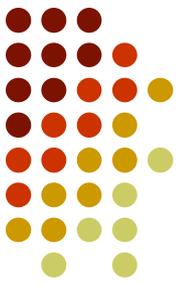
Group	2007 IV	2009 IV	Absolute Change	Relative Change
White	739,939	1,359,941	620,002	83.8%
Black	128,316	233,228	104,912	81.8%
Asian	21,149	22,411	1,262	6.0%
Hispanic	77,493	165,782	88,289	113.9%
Other	25,707	30,996	5,289	20.6%

Trends in the Number of Under-Employed in the Heartland Region, By Age



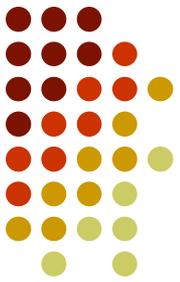
Group	2007 IV	2009 IV	Absolute Change	Relative Change
16-19	72,177	81,310	9,133	12.7%
20-24	153,053	291,981	138,928	90.8%
25-34	225,230	373,291	148,061	65.7%
35-54	378,283	665,272	286,989	75.9%
55-64	91,877	224,974	133,097	144.9%
65+	24,726	44,298	19,572	79.2%

Trends in the Number of Under-Employed Persons Aged 25+ in the Heartland Region, By Educational Attainment



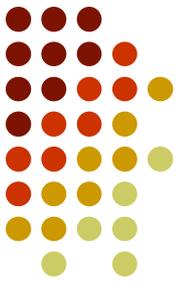
Group	2007 IV	2009 IV	Absolute Change	Relative Change
<12 or 12, No H.S. Diploma	89,636	188,025	98,389	109.8%
H.S. Diploma/GED	325,975	562,027	236,052	72.4%
Some College	227,061	448,635	221,574	97.6%
Bachelor Degree	102,226	193,366	91,140	89.2%
Master's or Higher Degree	22,476	47,015	24,539	109.2%
Total	767,374	1,439,068	671,694	87.5%

Trends in the Size of the Labor Force Reserve in the Heartland Region, by Gender



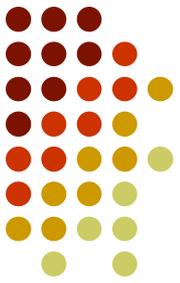
	2007 IV	2009 IV	Absolute Change	Relative Change
All (16+)	817,216	1,097,792	280,576	34.3%
Male	400,832	559,719	158,887	39.6%
Female	416,384	538,073	121,689	29.2%

Trends in the Size of the Labor Force Reserve in the Heartland Region, by Race/Ethnicity



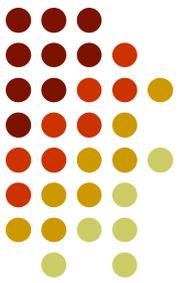
	2007 IV	2009 IV	Absolute Change	Relative Change
White	544,928	767,113	222,185	40.8%
Black	188,262	212,670	24,408	13.0%
Asian	15,744	20,519	4,775	30.3%
Hispanic	47,883	69,290	21,407	44.7%
Other	20,400	28,200	7,800	38.2%

Trends in the Size of the Labor Force Reserve in the Heartland Region, by Age

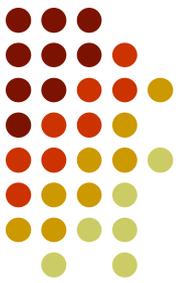


	2007 IV	2009 IV	Absolute Change	Relative Change
16-19	152,334	184,021	31,687	20.8%
20-24	126,869	170,055	43,186	34.0%
25-34	121,463	165,003	43,540	35.8%
35-54	240,059	308,877	68,818	28.7%
55-64	109,591	153,415	43,824	40.0%
65+	66,901	116,422	49,521	74.0%

Trends in the Size of the Labor Force Reserve Aged 25+ in the Heartland Region, by Educational Attainment



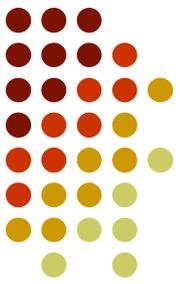
	2007 IV	2009 IV	Absolute Change	Relative Change
<12 or 12, No H.S. Diploma	99,588	116,780	17,192	17.3%
H.S. Diploma/GED	218,608	270,590	51,982	23.8%
Some College	137,307	217,986	80,679	58.8%
Bachelor Degree	56,496	86,589	30,093	53.3%
Master's or Higher Degree	26,015	51,773	25,758	99.0%
Total	538,014	743,718	205,704	38.2%



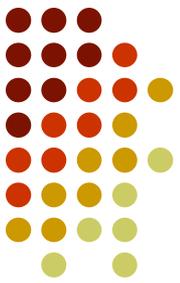
Trends in the Size of the Underutilized Adjusted Labor Force in the Heartland Region, by Gender

	2007 IV	2009 IV	Absolute Change	Relative Change
All (16+)	3,533,340	6,205,372	2,672,032	75.6%
Male	1,831,313	3,486,106	1,654,793	90.4%
Female	1,702,027	2719,266	1,017,239	59.8%

Trends in the Size of the Underutilized Adjusted Labor Force in the Heartland Region, by Race/Ethnicity



	2007 IV	2009 IV	Absolute Change	Relative Change
White	2,467,178	4,482,166	2,014,988	81.7%
Black	671,784	983,578	311,794	46.4%
Asian	63,166	99,363	36,197	57.3%
Hispanic	245,744	514,503	268,759	109.4%
Other	85,470	125,761	40,291	47.1%



Trends in the Size of the Underutilized Adjusted Labor Force in the Heartland Region, by Age

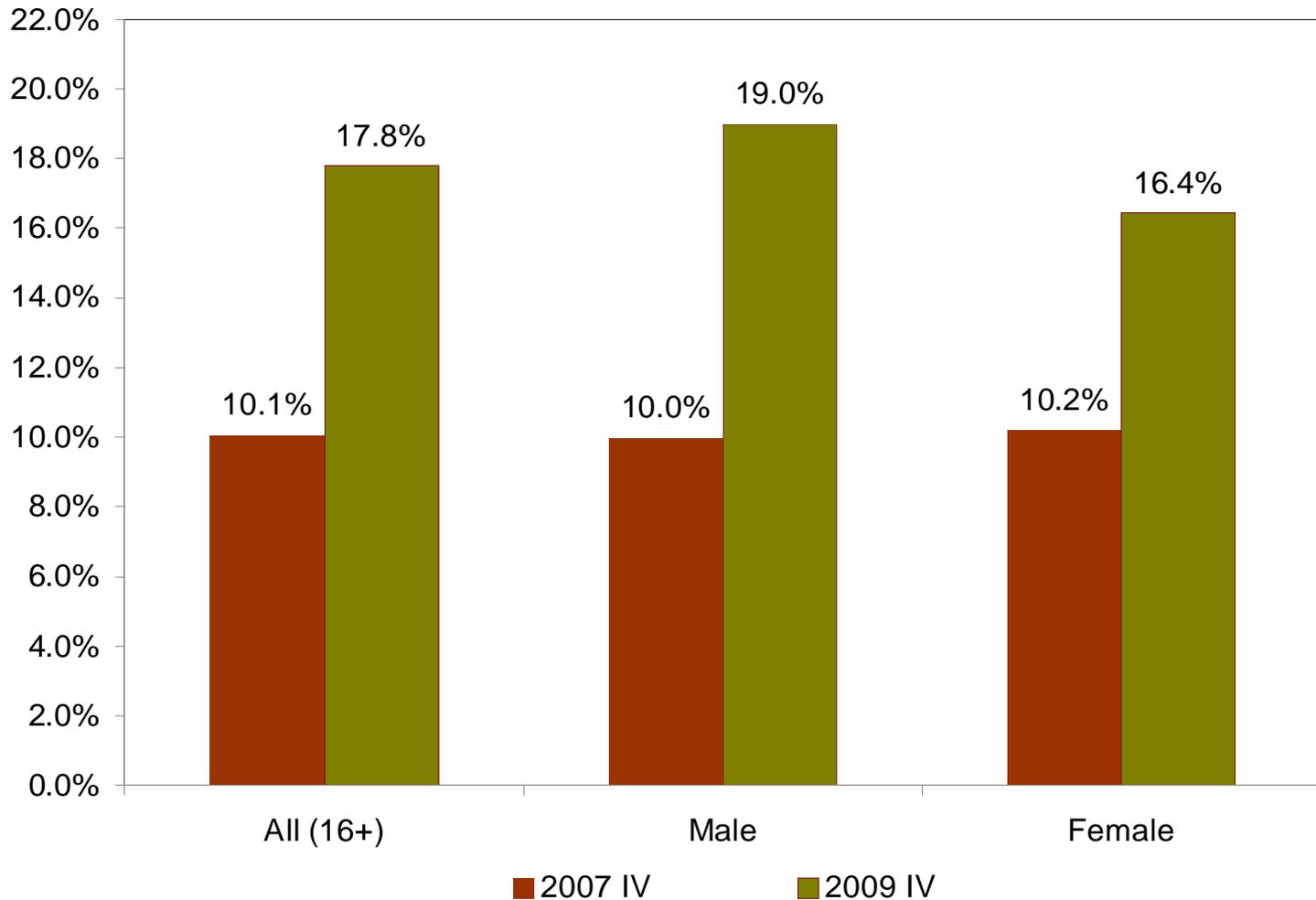
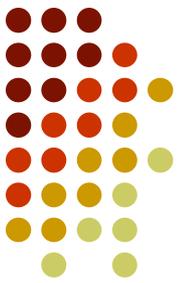
	2007 IV	2009 IV	Absolute Change	Relative Change
16-19	489,325	623,411	134,086	27.4%
20-24	574,645	930,567	355,922	61.9%
25-34	681,864	1,319,627	637,763	93.5%
35-54	1,300,778	2,375,505	1,074,727	82.6%
55-64	358,104	724,923	366,819	102.4%
65+	128,627	231,339	102,712	79.9%

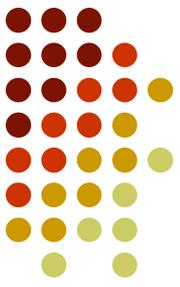
Trends in the Size of the Underutilized Adjusted Labor Force Aged 25+ in the Heartland Region, by Educational Attainment



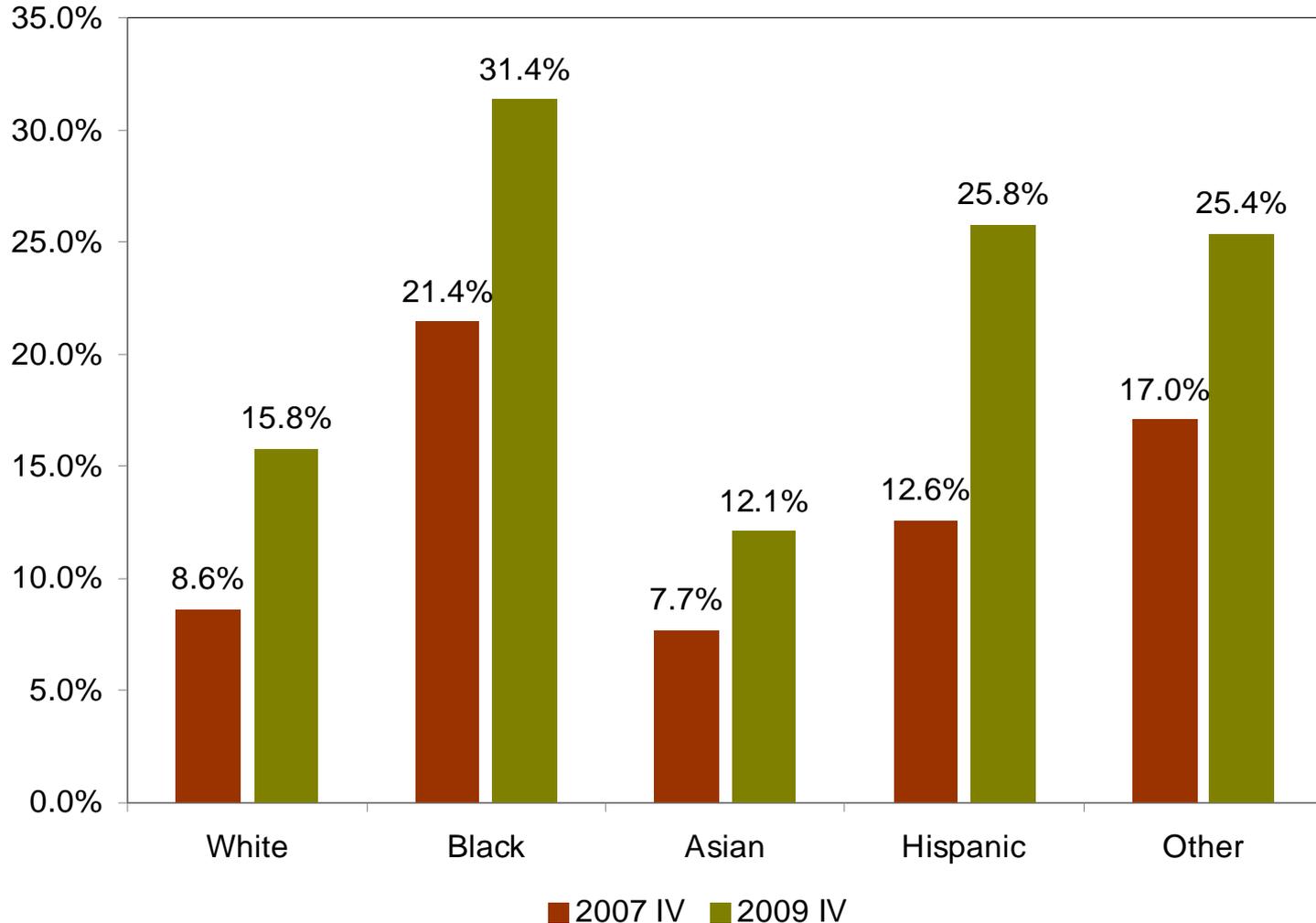
	2007 IV	2009 IV	Absolute Change	Relative Change
<12 or 12, No H.S. Diploma	392,526	622,665	230,139	58.6%
H.S. Diploma/GED	1,020,488	1,822,541	802,053	78.6%
Some College	672,871	1,437,886	765,015	113.7%
Bachelor Degree	291,240	560,426	269,186	92.4%
Master's or Higher Degree	92,247	207,879	115,632	125.4%
Total	2,469,372	4,651,397	2,182,025	88.4%

Trends in the Labor Force Underutilization Rate in the Heartland Region

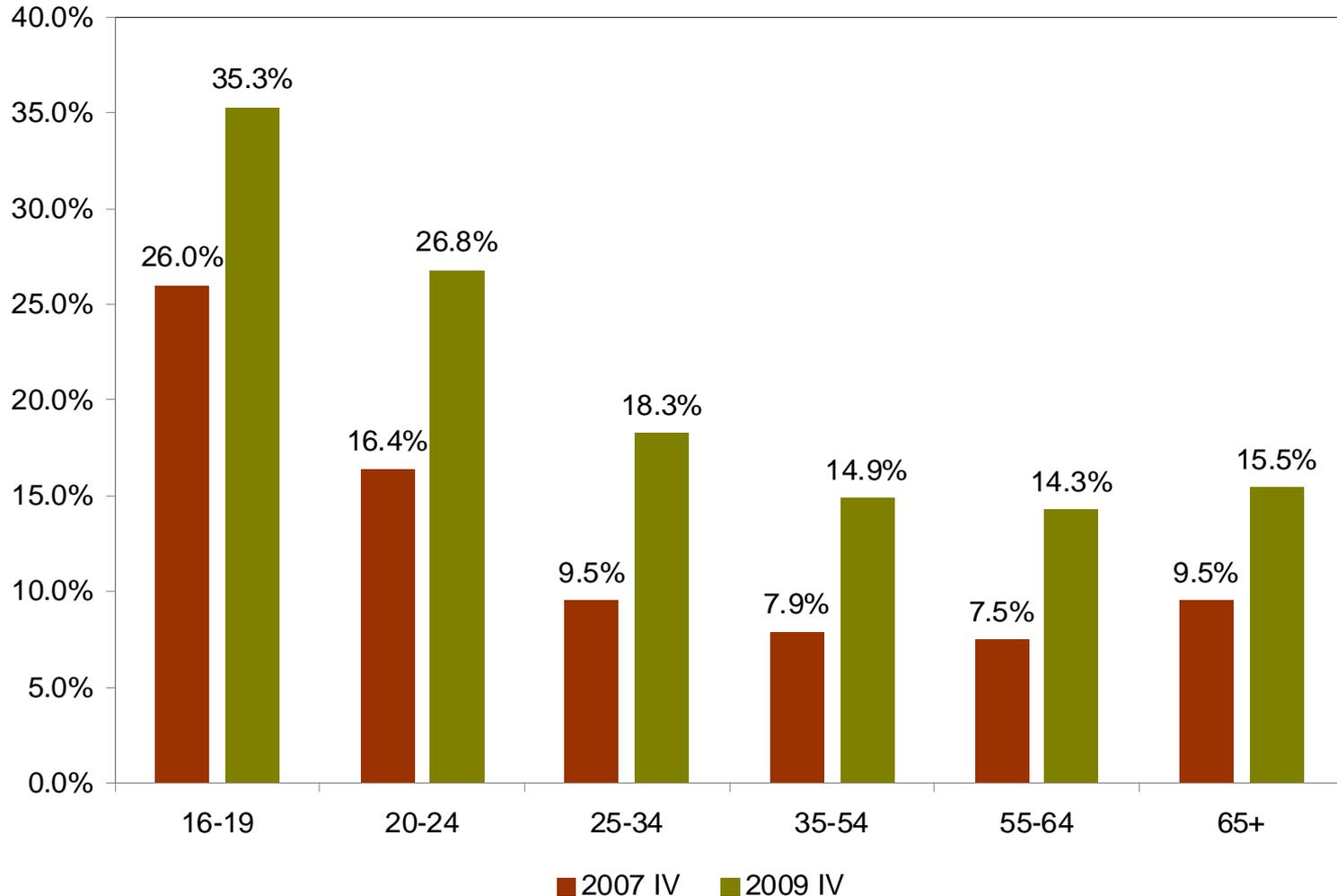
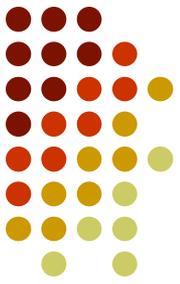




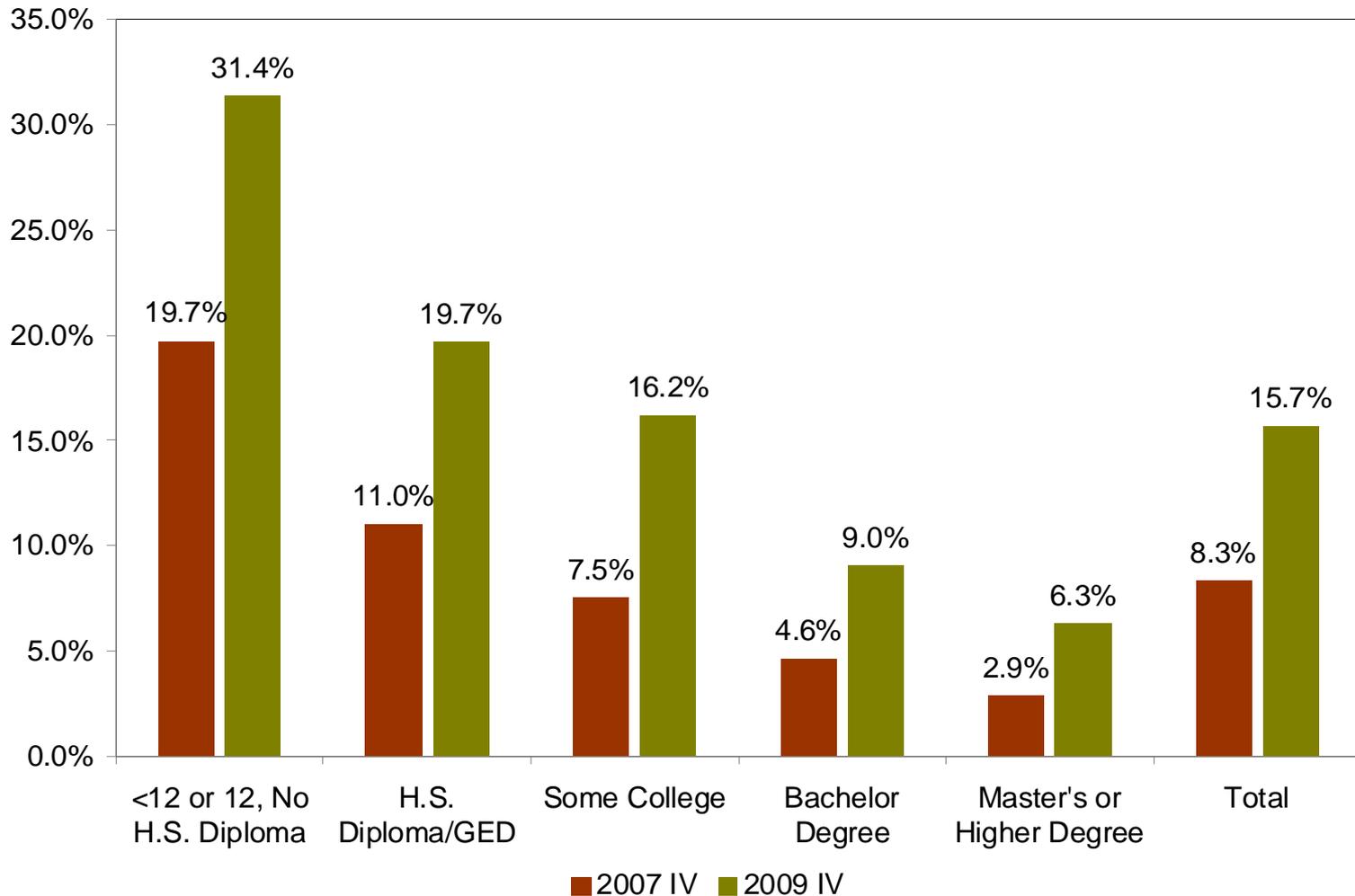
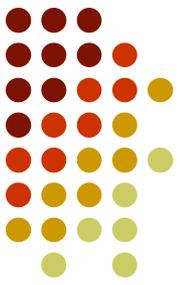
Trends in the Labor Force Underutilization Rate in the Heartland Region, by Race Ethnicity



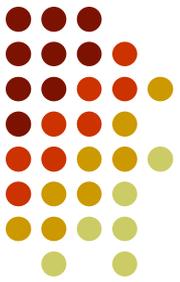
Trends in the Labor Force Underutilization Rate in the Heartland Region, by Age



Trends in the Size of the Labor Force Underutilization Rate in the Heartland Region (25+) by Educational Attainment

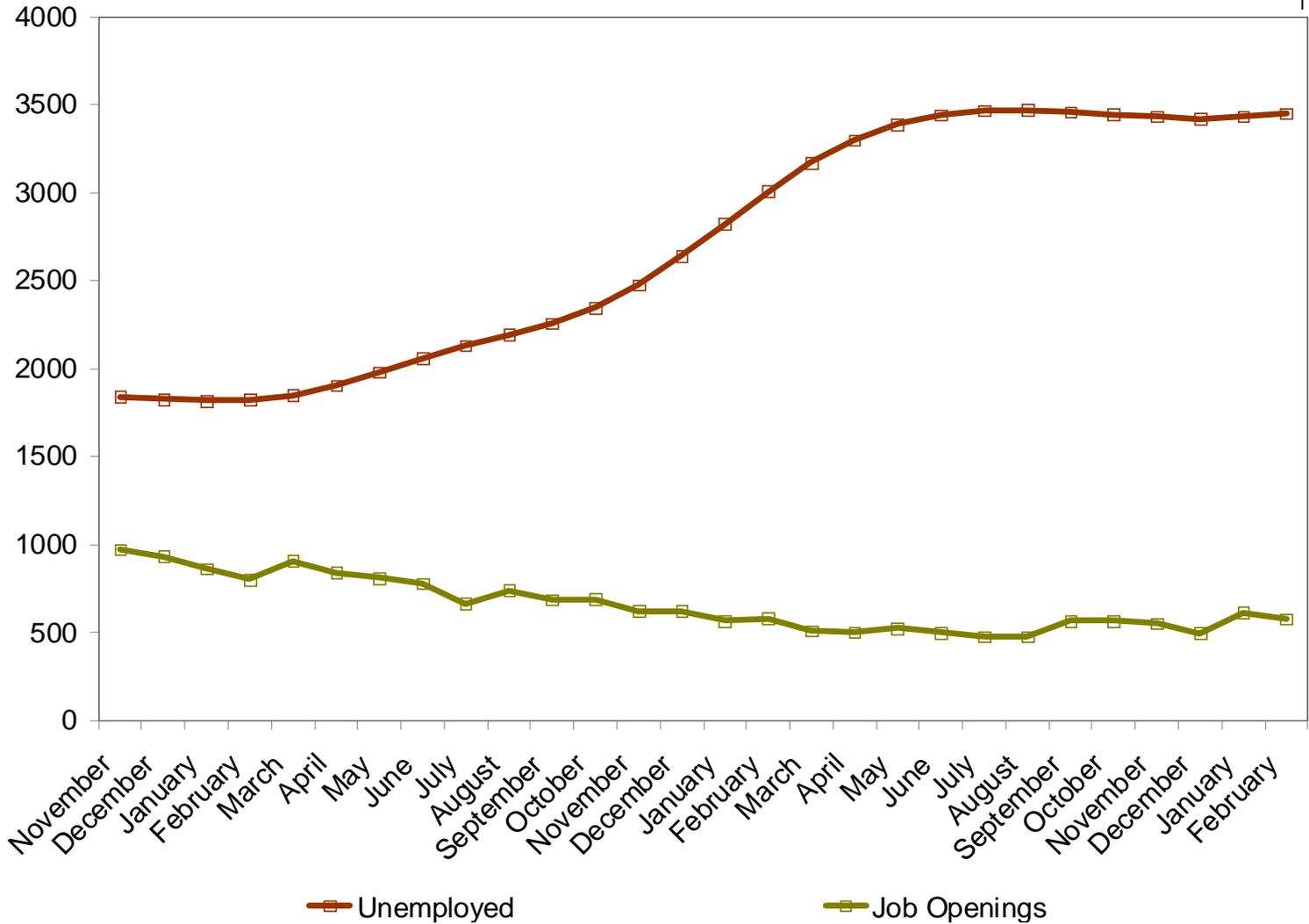


Trends in the Heartland Unemployment Rate, by State

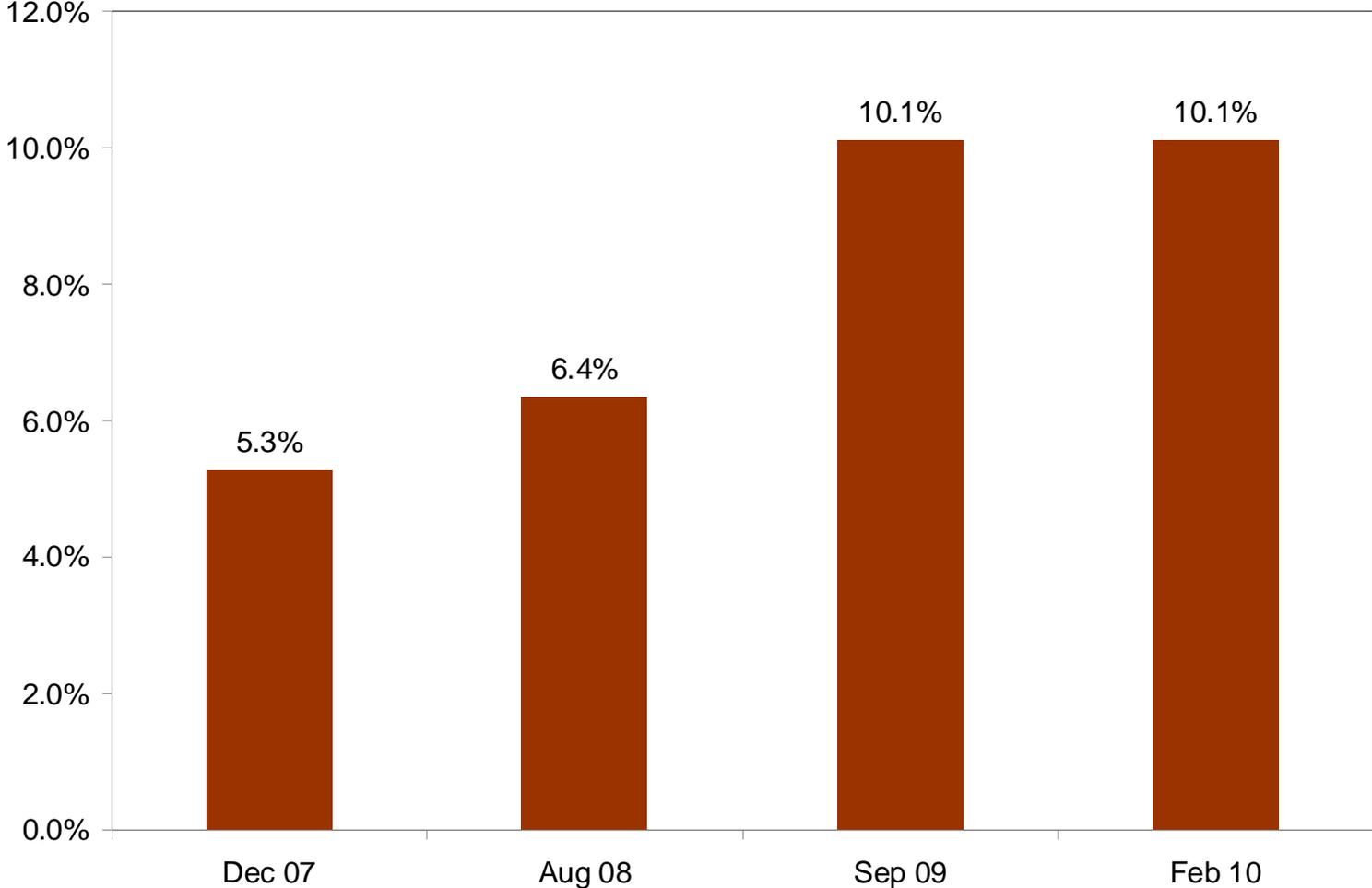


	December 2007	August 2008	September 2009	February 2010
Illinois	5.5%	6.7%	10.8%	11.4%
Indiana	4.6%	6.0%	10.1%	9.8%
Iowa	3.9%	4.7%	6.4%	6.7%
Kansas	4.0%	4.6%	7.0%	6.5%
Michigan	7.1%	8.6%	14.4%	14.1%
Minnesota	4.7%	5.5%	7.9%	7.3%
Missouri	5.3%	6.3%	9.7%	9.4%
Nebraska	2.9%	3.4%	4.8%	4.8%
Ohio	5.6%	6.9%	10.7%	10.9%
Wisconsin	4.5%	4.8%	8.8%	8.7%
Heartland	5.3%	6.4%	10.1%	10.1%

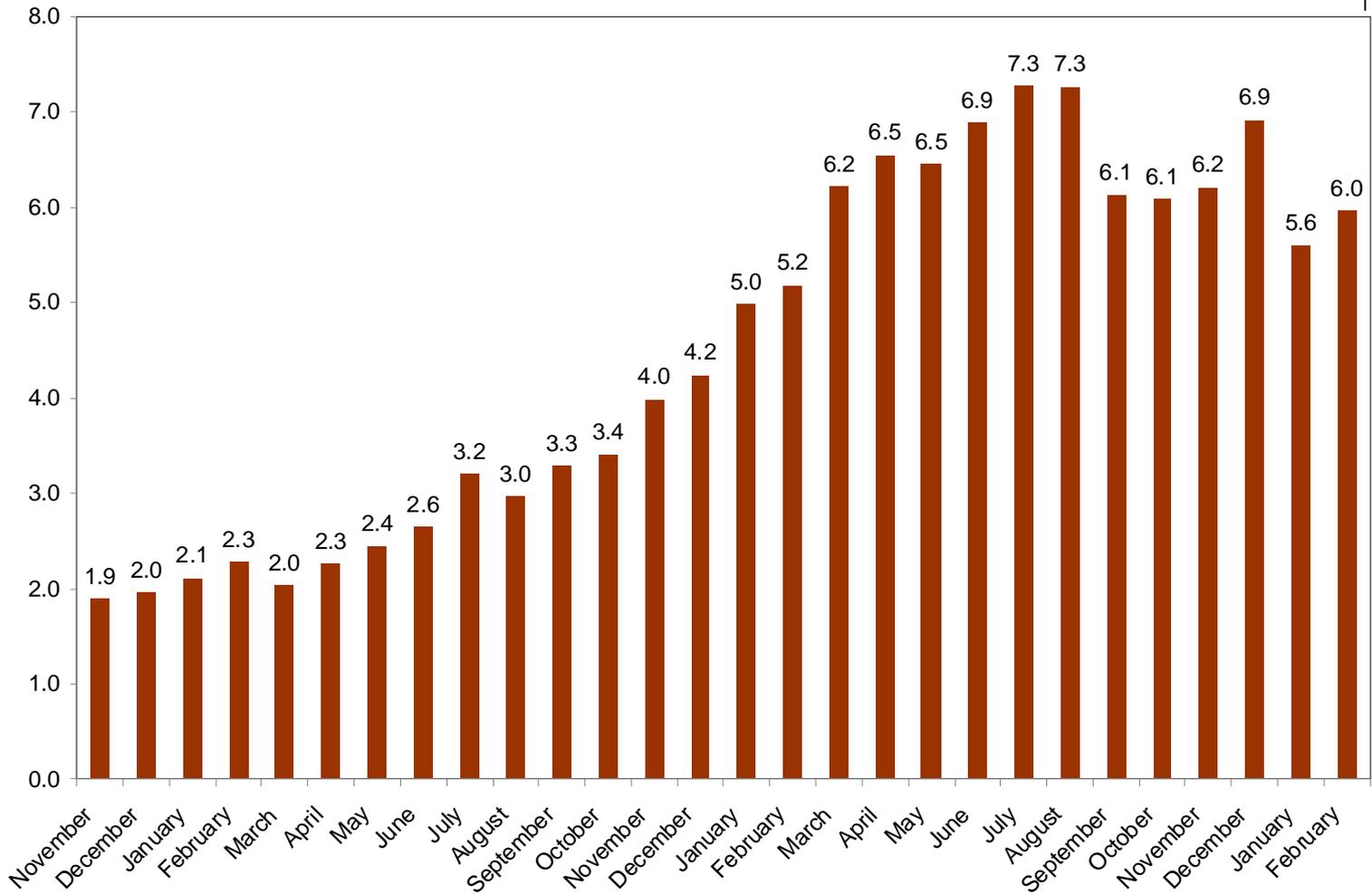
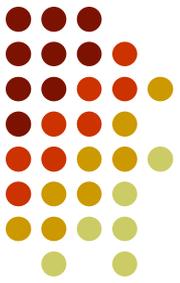
Trends in Unemployment and Job Openings in the Midwest Region During the Great Recession



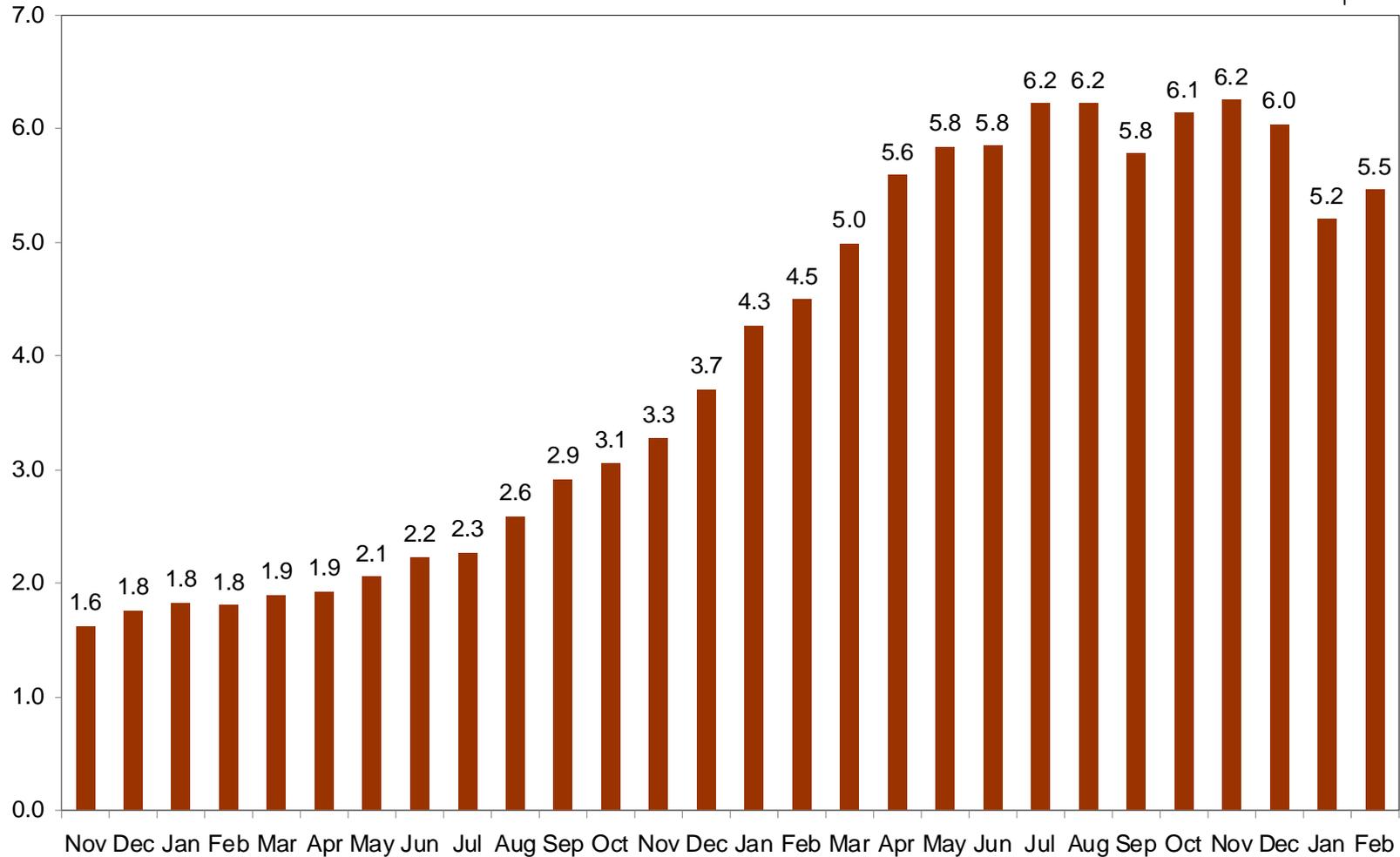
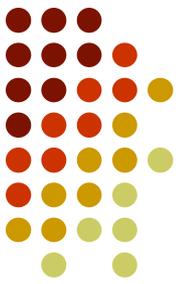
Trends in the Heartland Region Unemployment Rate



Ratio of Unemployed to Job Openings in the Midwest Region During the Great Recession



Trends in the Ratio of Unemployed Workers to Job Vacancies During the Great Recession in the U.S.





Ratio of Unemployed to Job Vacancies in the U.S. By Major Industry Grouping, February/March, 2010

	Unemployed	Job Openings	U/V
Construction	2251	62	36.3
Manufacturing	1898	171	11.1
Trade, Trans, Utilities	2666	462	5.8
Professional & Business Serv	1785	401	4.5
Education & Health	1101	552	2.0
Leisure	1571	274	5.7
Government	881	254	3.5