

## VII. Access to Health Care

---

---

The accessibility to health care services to undergo treatment for illnesses and injuries

---

---

*Key findings from this chapter:*

### ***Positive/Neutral Trends***

- Nearly 91% of Ottawa County residents had [health insurance coverage](#) in 2011, with most (73%) being insured by private coverage. This rate is slightly higher when compared to the percent of residents statewide who had health insurance coverage in 2011 (88% statewide)
- The percent of children (age 18 and under) that are insured with [MIChild](#) insurance (a health care program that assists low income uninsured children of Michigan's working families) has increased by 120% in Ottawa County over the last 10 years (0.5% up to 1.1%)

### ***Negative Trends***

- While Ottawa County has consistently had a lower rate of [uninsured residents](#) when compared to the adjacent counties and the State, the percent of Ottawa County's population that is uninsured increased 26% since 2008 (7.3% up to 9.2%). Statewide, the percent of uninsured residents increase only 3% during this same time period (11.5% up to 11.8%)

- Among people under the age of 18 in Ottawa County, there has been a 66% increase in the [uninsured population](#) since 2008 (2.4% up to 4.0%). The statewide rate of uninsured people under the age of 18 decreased 21% (5.2% down to 4.1%). A similar pattern is evident among the population age 65 and over
- There are 49% fewer [physicians](#) in Ottawa County when compared to the State (135.0 physicians per 100,000 residents compared to 266.5 statewide). There are also 39% fewer primary care physicians in Ottawa County as compared to the State (67.7 physicians per 100,000 residents compared to 111.8 statewide)

## Health Insurance (2008-2011)

### Uninsured By Year (Ottawa County, Adjacent Counties, State)

---

---

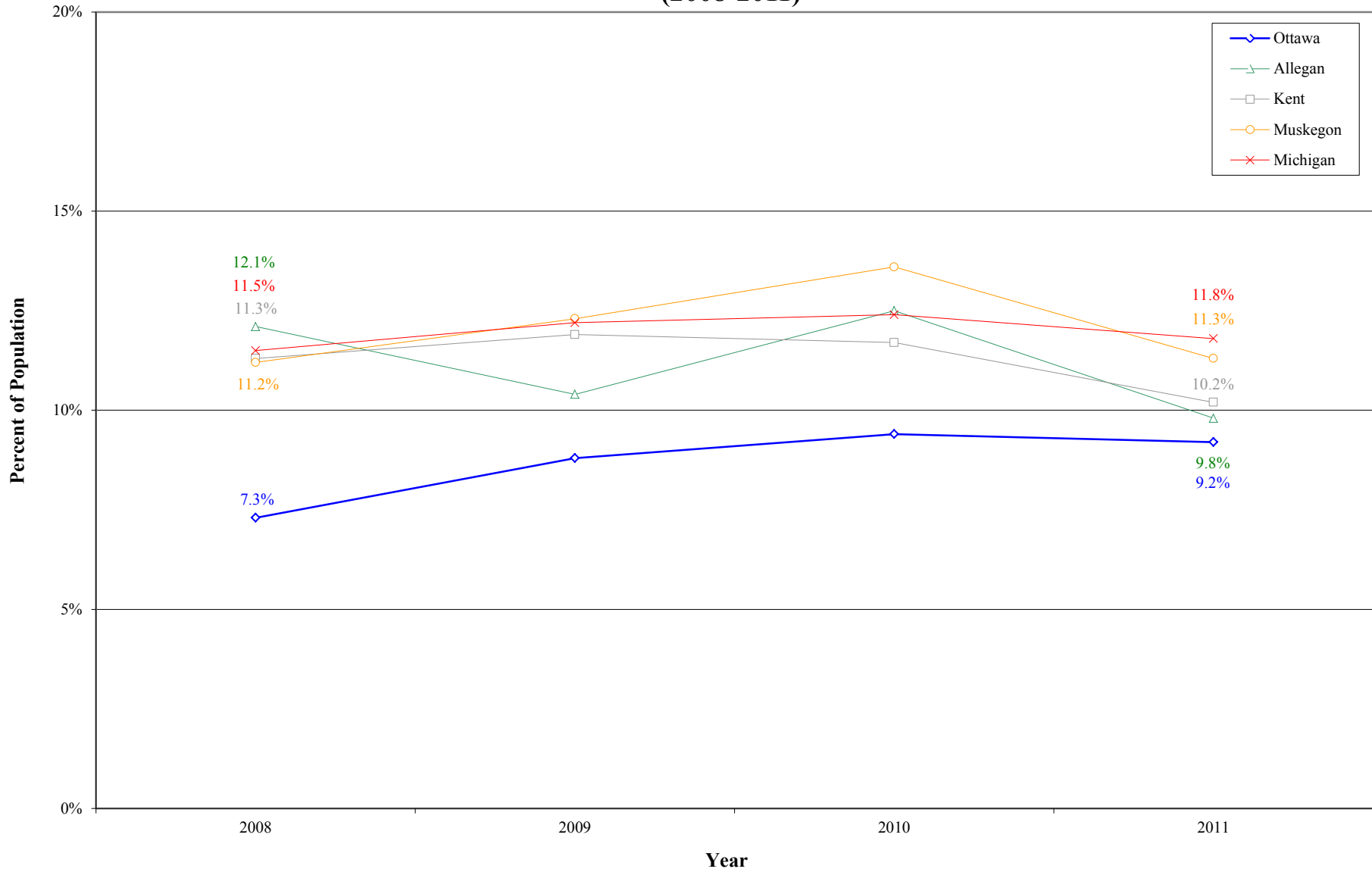
Percent of Total Population						
Year	Ottawa	Allegan	Kent	Muskegon	Michigan	
2008	7.3%	12.1%	11.3%	11.2%	11.5%	
2009	8.8%	10.4%	11.9%	12.3%	12.2%	
2010	9.4%	12.5%	11.7%	13.6%	12.4%	
2011	9.2%	9.8%	10.2%	11.3%	11.8%	

---

---

Source: U.S. Census Bureau, American Community Survey

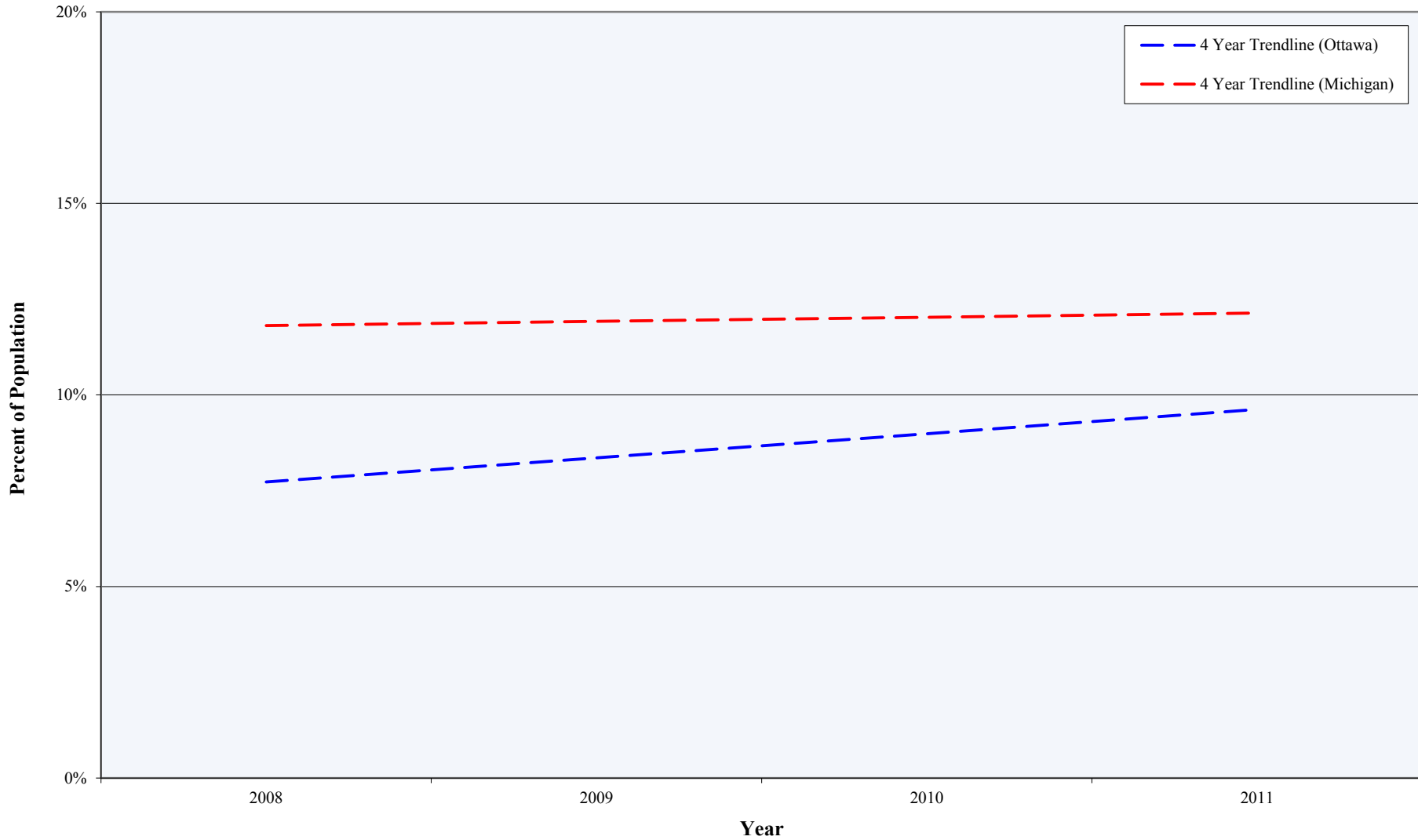
## Uninsured Population (2008-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Population

## 4 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Health Insurance (2008-2011)

### Uninsured by Age (Ottawa County, Adjacent Counties, State)

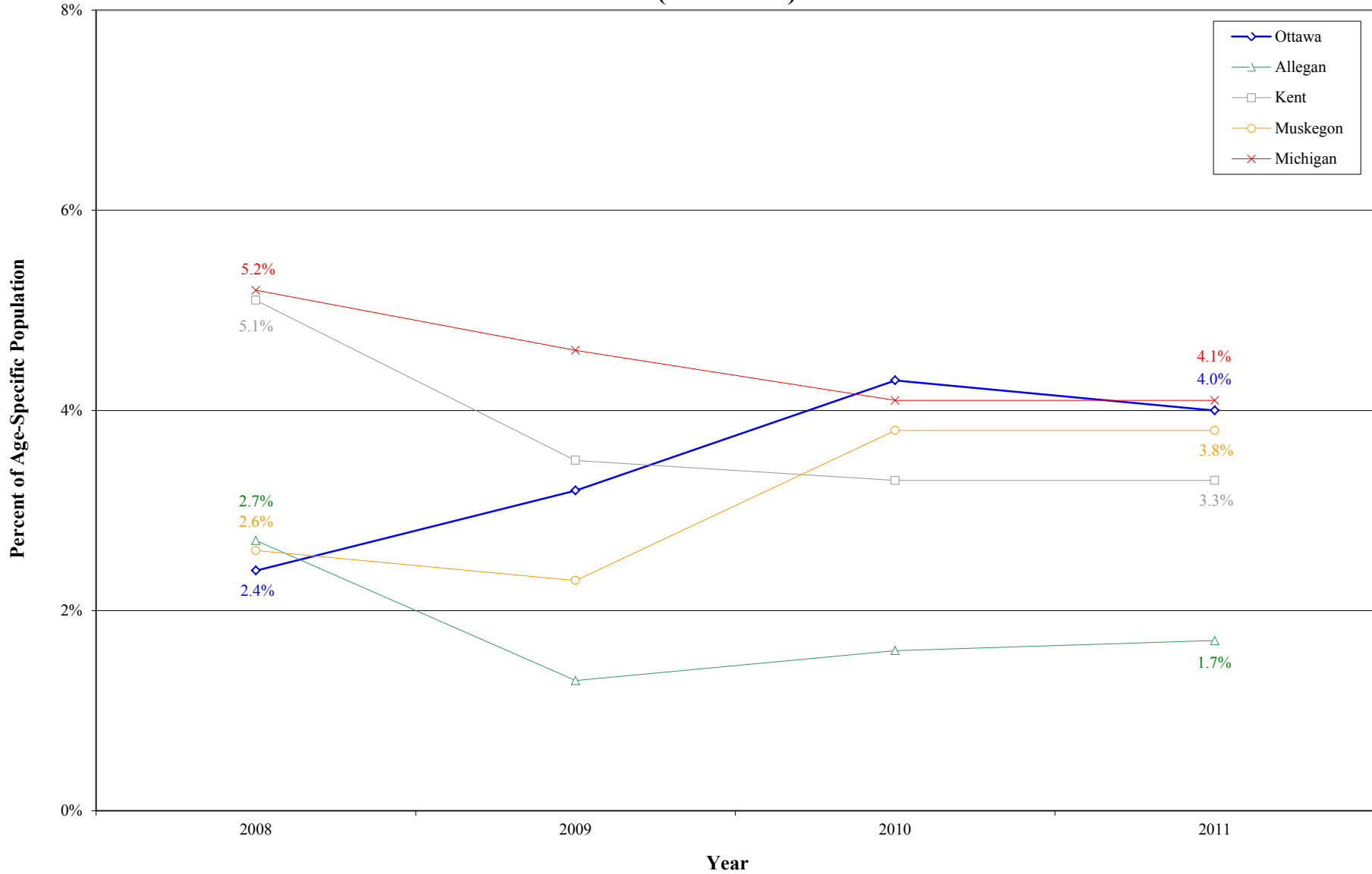
#### Percent of Population\*

Year	Under Age 18					Age 18-64					Age 65 and Older				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2008	2.4%	2.7%	5.1%	2.6%	5.2%	10.6%	17.9%	15.7%	16.9%	16.1%	0.0%	0.6%	0.6%	0.3%	0.6%
2009	3.2%	1.3%	3.5%	2.3%	4.6%	12.5%	16.2%	17.2%	19.0%	17.6%	0.6%	0.8%	0.0%	0.0%	0.5%
2010	4.3%	1.6%	3.3%	3.8%	4.1%	13.2%	19.8%	17.2%	20.8%	18.1%	0.3%	0.0%	0.1%	0.0%	0.3%
2011	4.0%	1.7%	3.3%	3.8%	4.1%	13.0%	15.4%	14.8%	16.9%	17.2%	0.3%	0.0%	0.1%	0.0%	0.4%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are age-specific and refer to the population in a specific age group

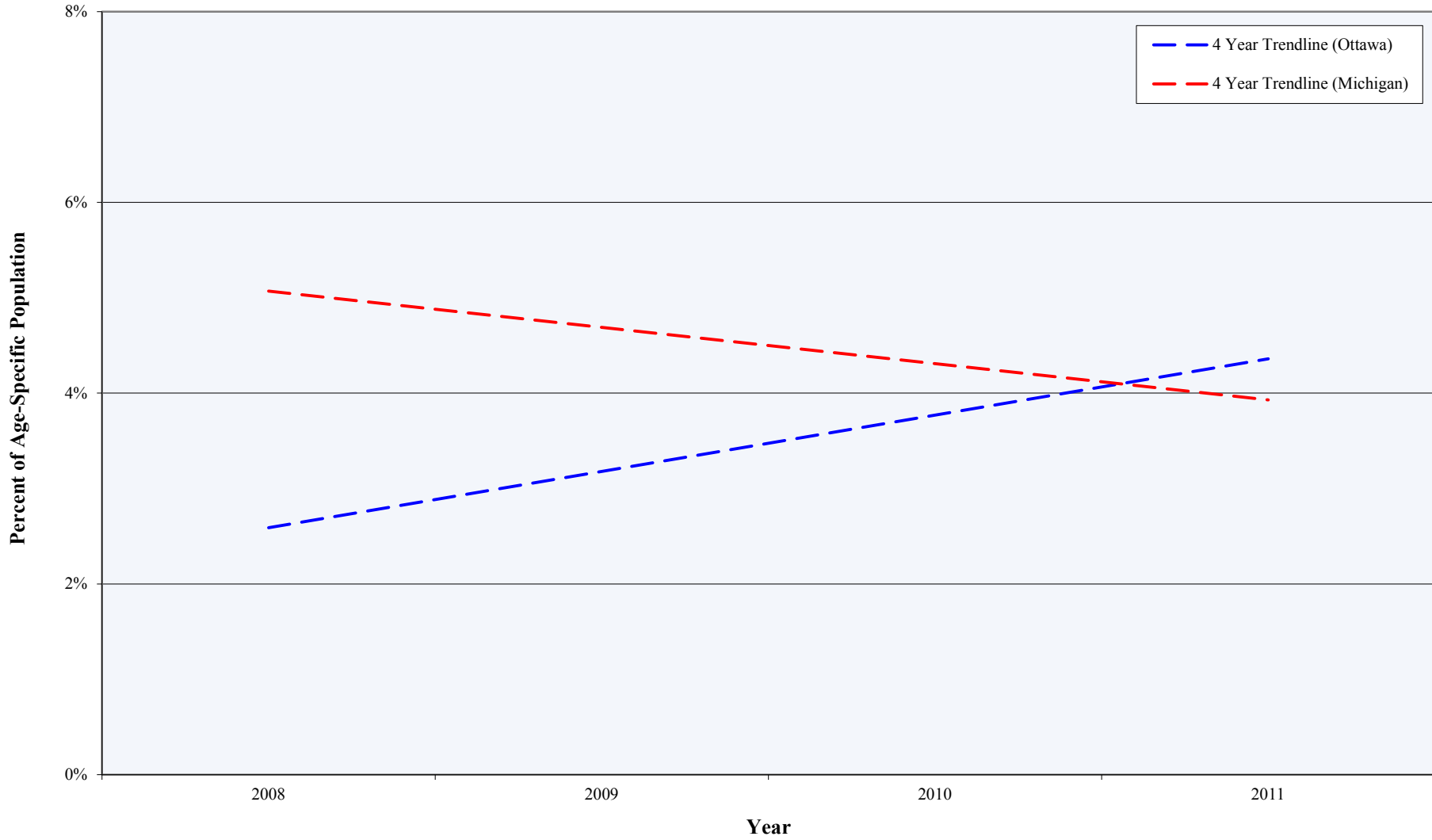
## Uninsured Population Among Persons Under Age 18 (2008-2011)



Source: U.S. Census Bureau, American Community Survey

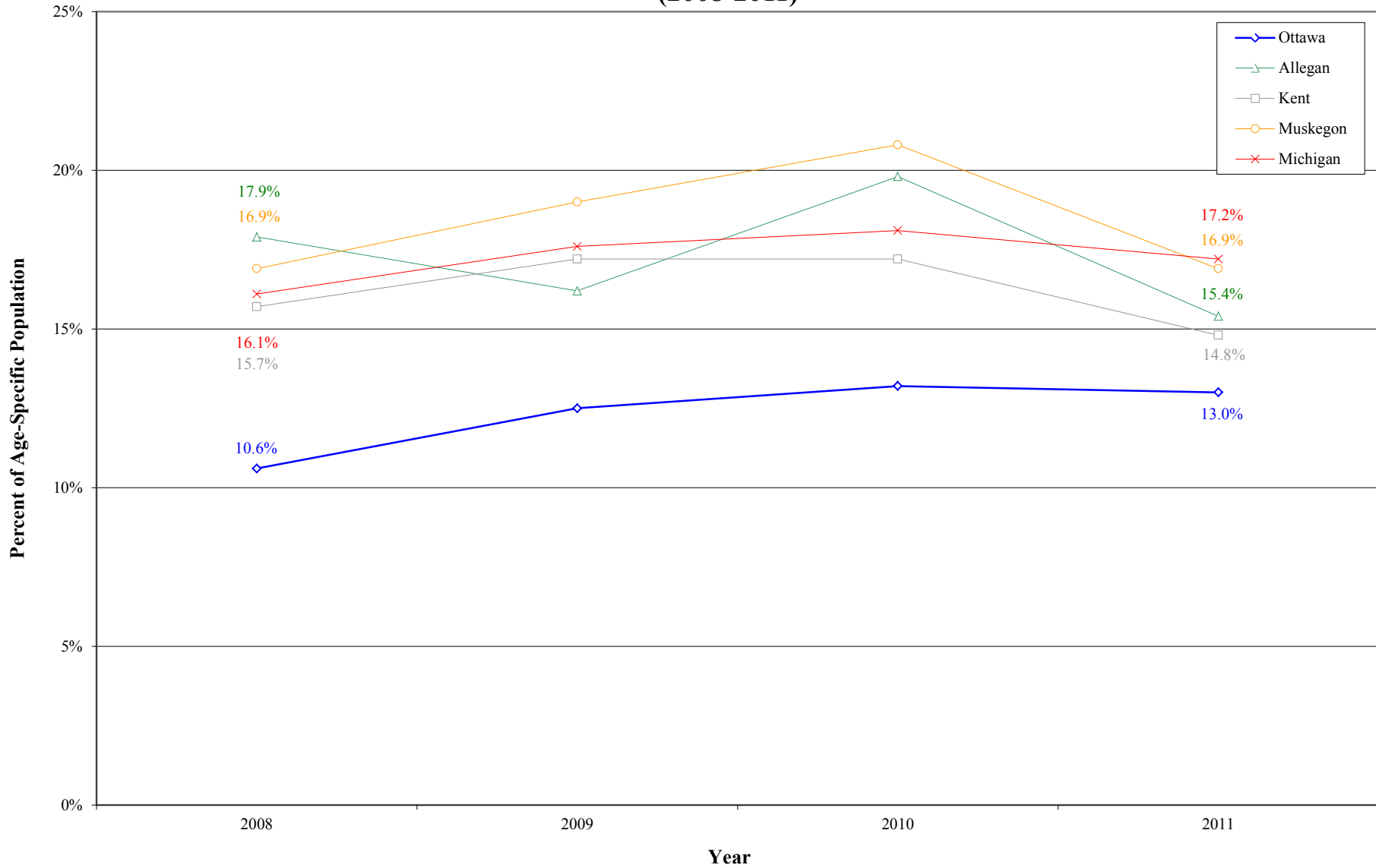
# Uninsured Population Among Persons Under Age 18

## 4 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Uninsured Population Among Persons Age 18-64 (2008-2011)

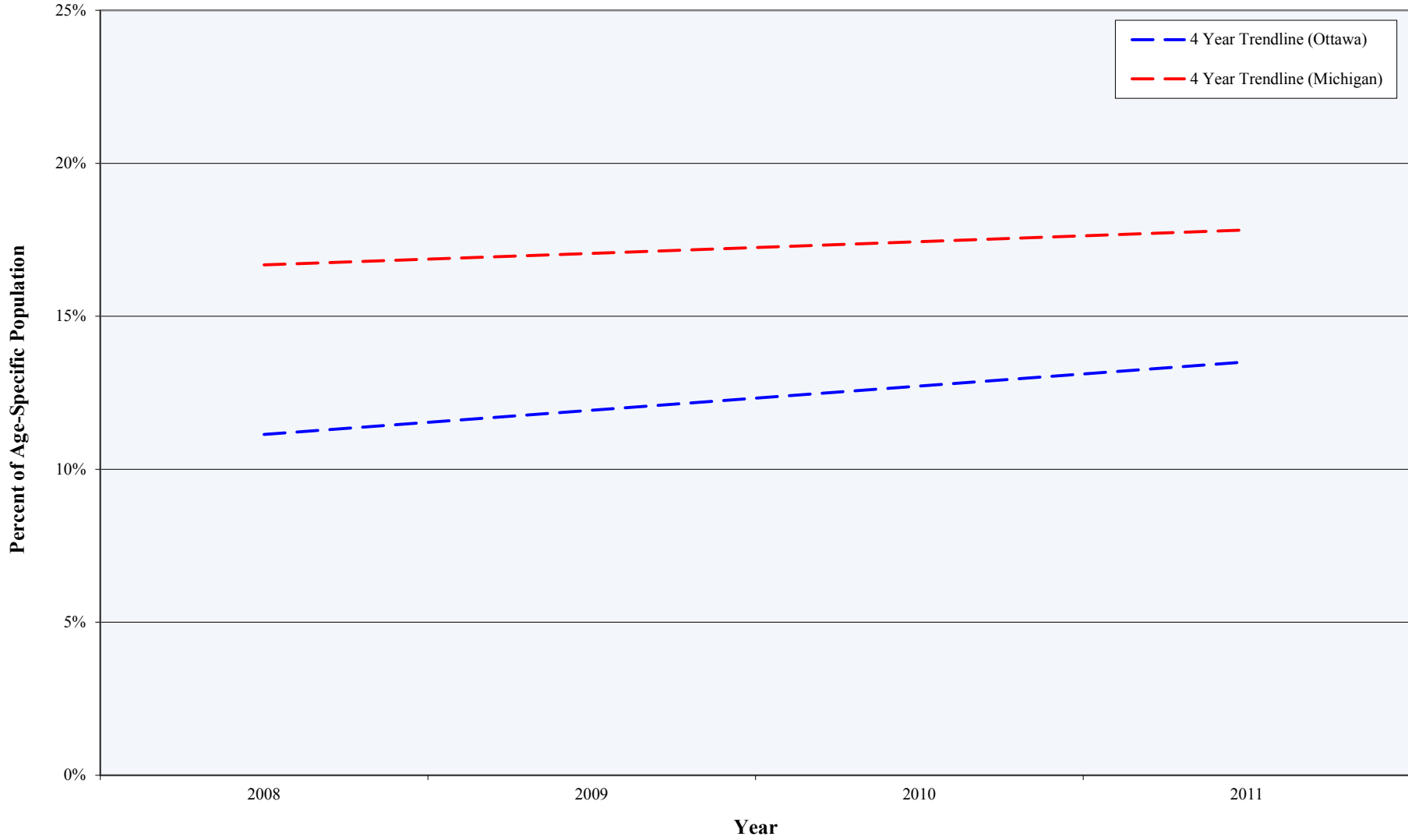


Source: U.S. Census Bureau, American Community Survey



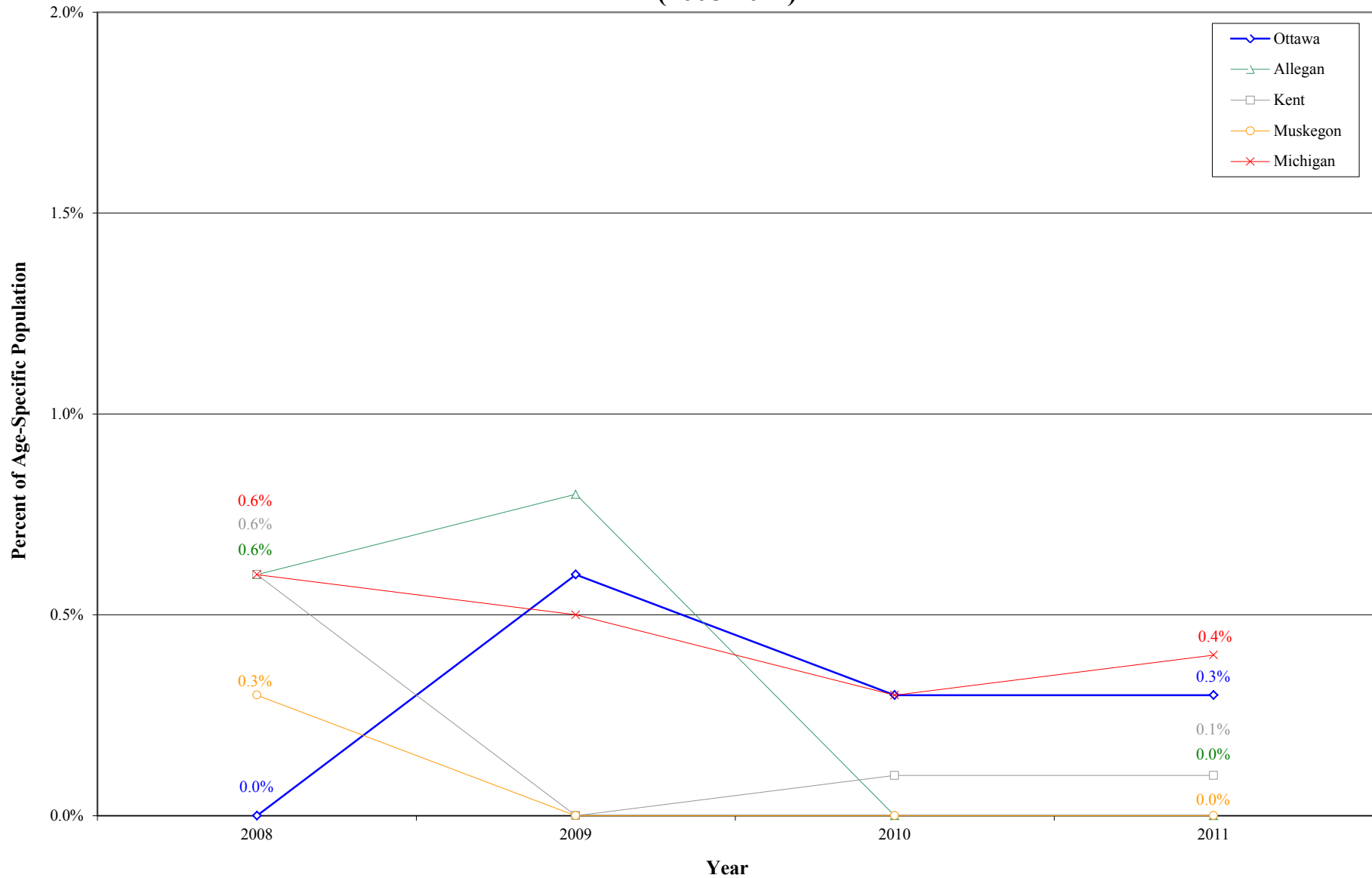
# Uninsured Population Among Persons Age 18-64

## 4 Year Trend



Source: U.S. Census Bureau, American Community Survey

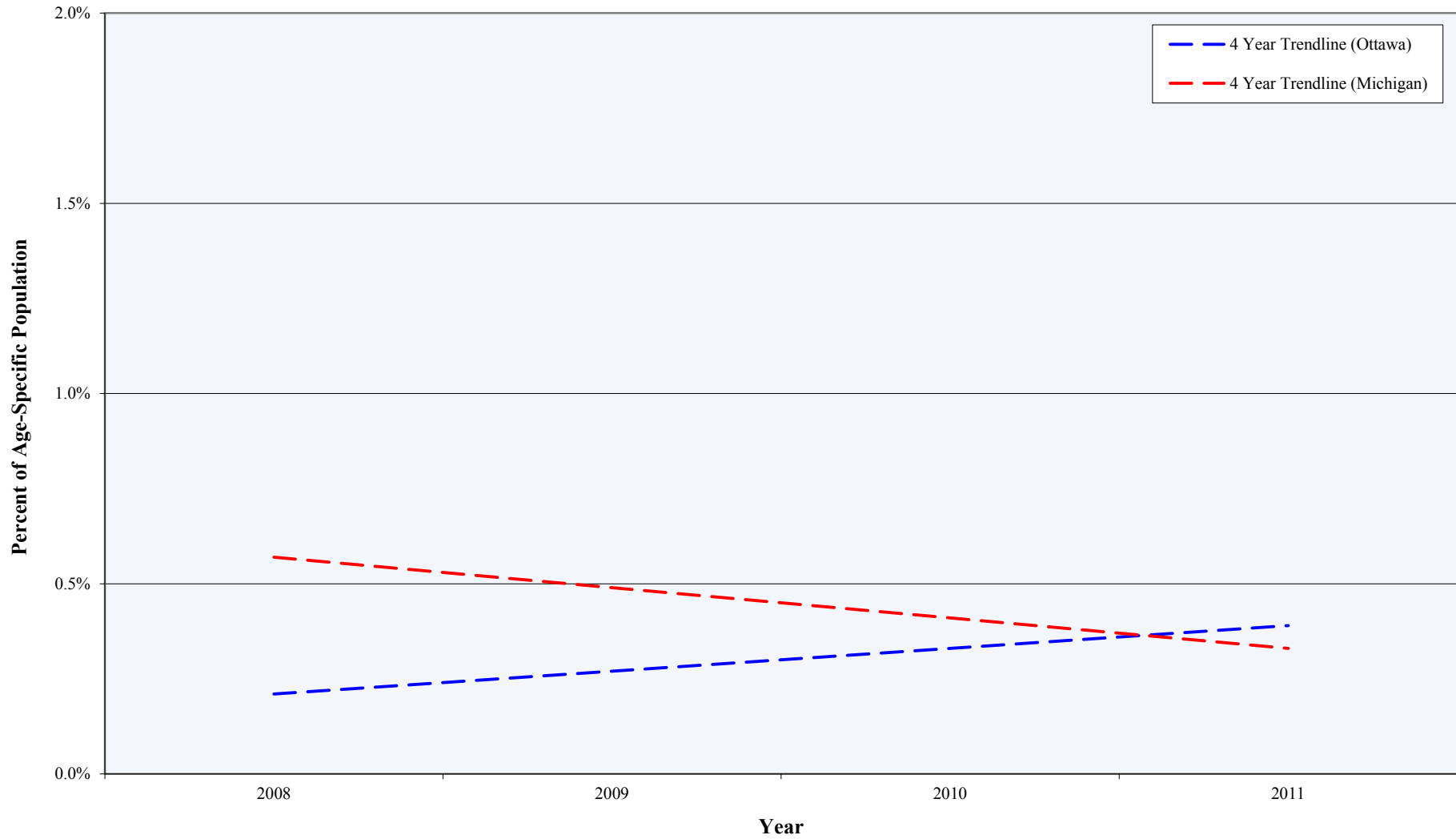
## Uninsured Population Among Persons Age 65 and Older (2008-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Population Among Persons Age 65 and Older

## 4 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Health Insurance (2009-2011)

### Uninsured By Educational Attainment (Ottawa County, Adjacent Counties, State)

Year	Percent of Population*									
	Less Than a High School Diploma					High School Diploma				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	19.3%	17.2%	26.0%	18.7%	19.7%	9.8%	14.5%	17.9%	18.4%	15.9%
2010	8.9%	20.1%	25.0%	19.4%	20.2%	11.9%	18.4%	14.7%	18.7%	16.5%
2011	23.3%	9.1%	25.5%	15.1%	19.6%	14.2%	15.5%	13.9%	14.3%	16.2%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are based on the population in a specific educational attainment group

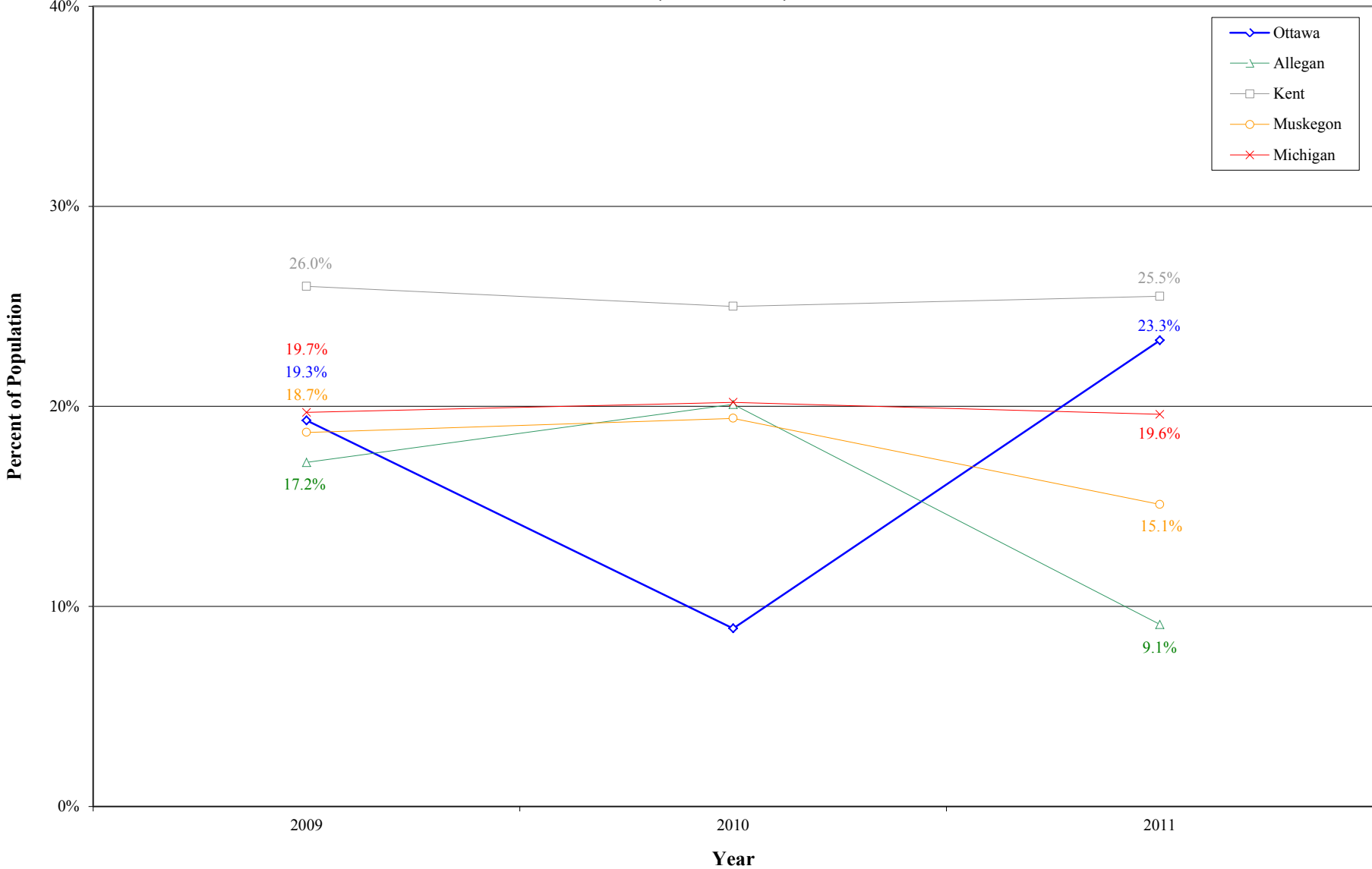
**Health Insurance (2009-2011)**  
**Uninsured By Educational Attainment** (Ottawa County, Adjacent Counties, State)

Year	Some College or Associate's Degree					Bachelor's Degree or Higher				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	11.9%	11.4%	11.9%	10.1%	13.1%	3.3%	5.8%	5.5%	5.4%	5.6%
2010	14.5%	12.8%	12.6%	14.6%	14.2%	4.2%	6.5%	5.8%	4.5%	5.8%
2011	10.5%	14.2%	12.7%	12.3%	14.1%	3.1%	5.8%	5.0%	5.9%	5.7%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are based on the population in a specific educational attainment group

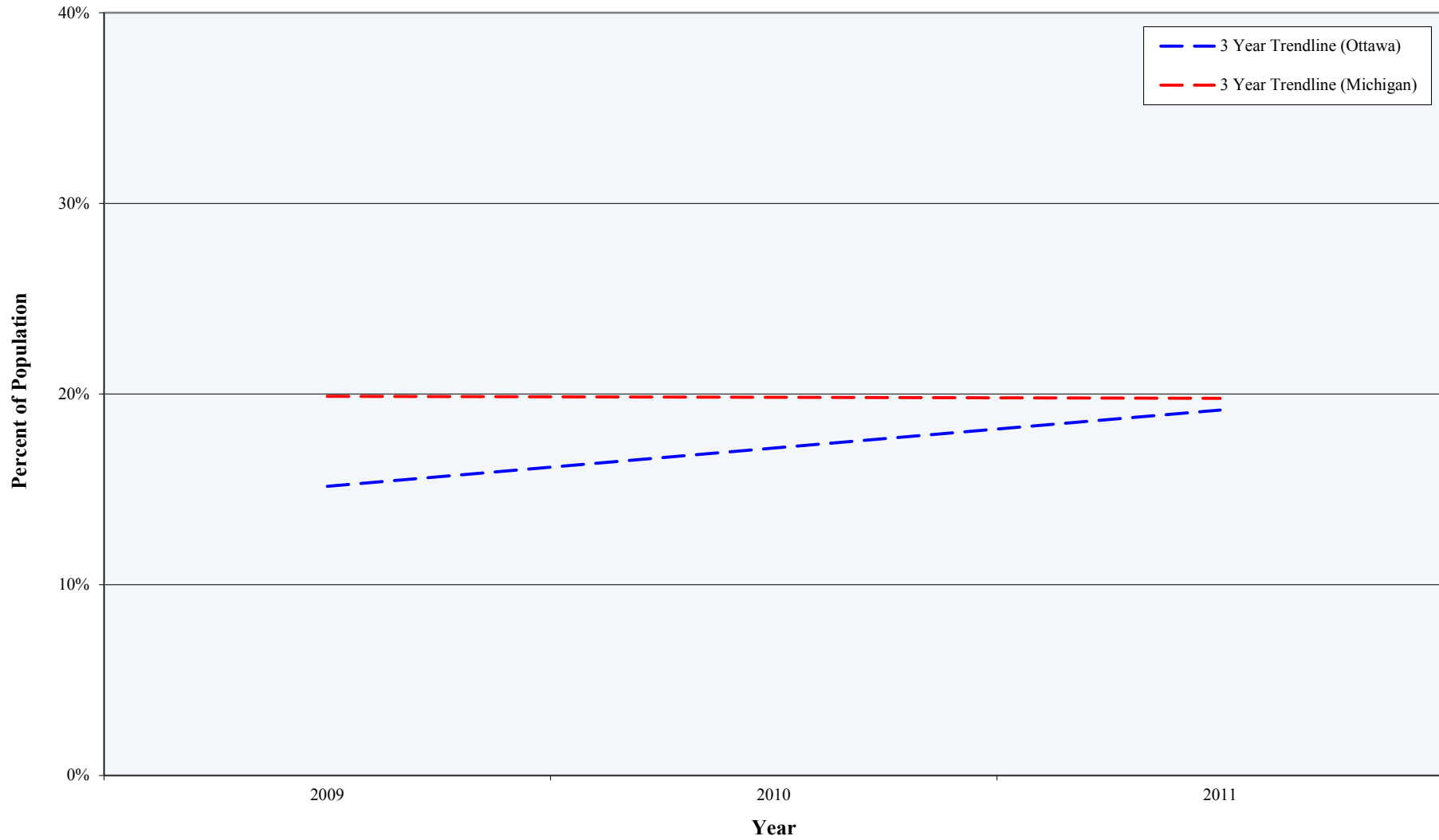
# Uninsured Population Among Persons with Less Than a High School Diploma (2009-2011)



Source: U.S. Census Bureau, American Community Survey

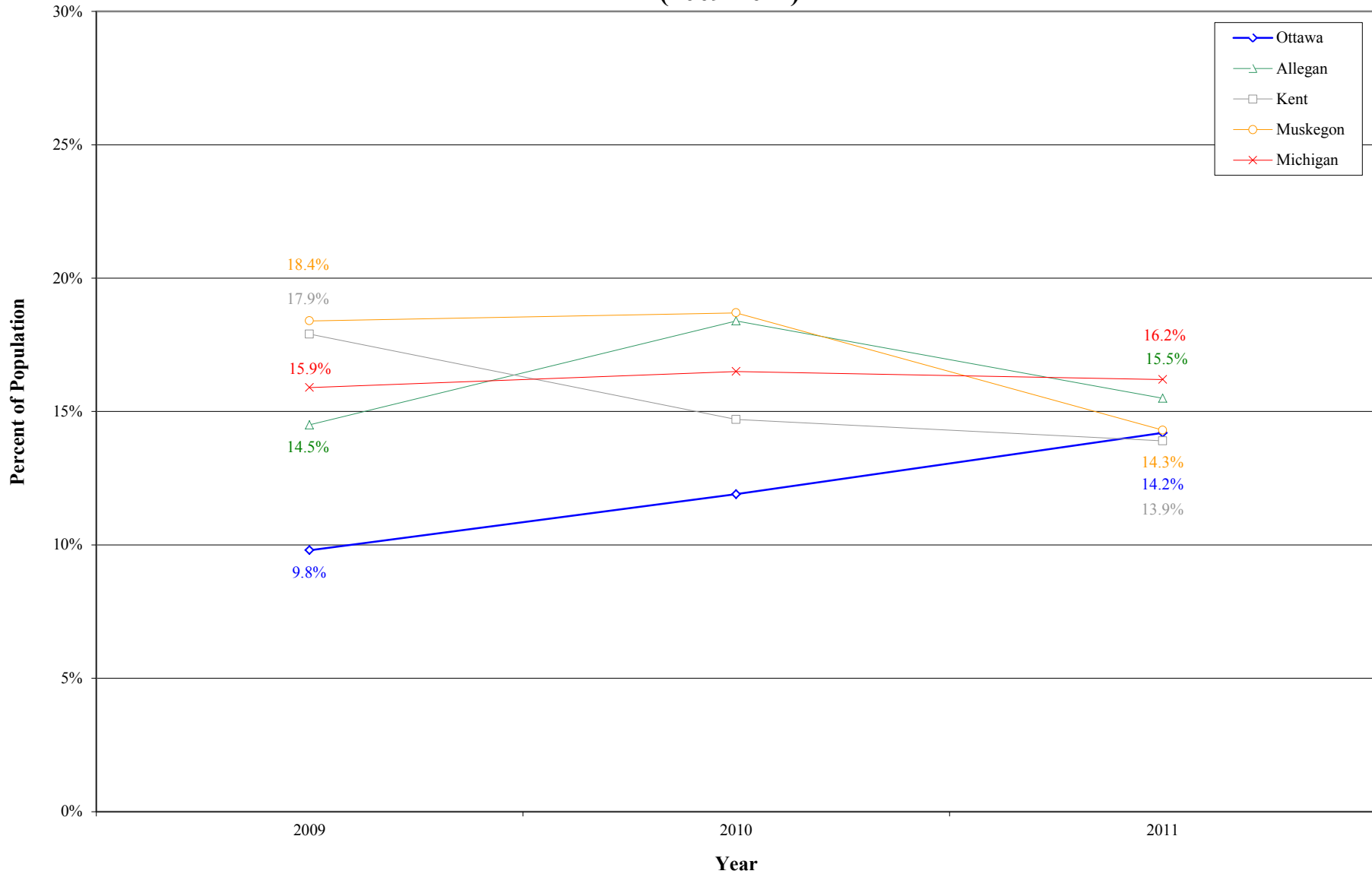
# Uninsured Population Among Persons with Less Than a High School Diploma

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Uninsured Population Among Persons with a High School Diploma (2009-2011)

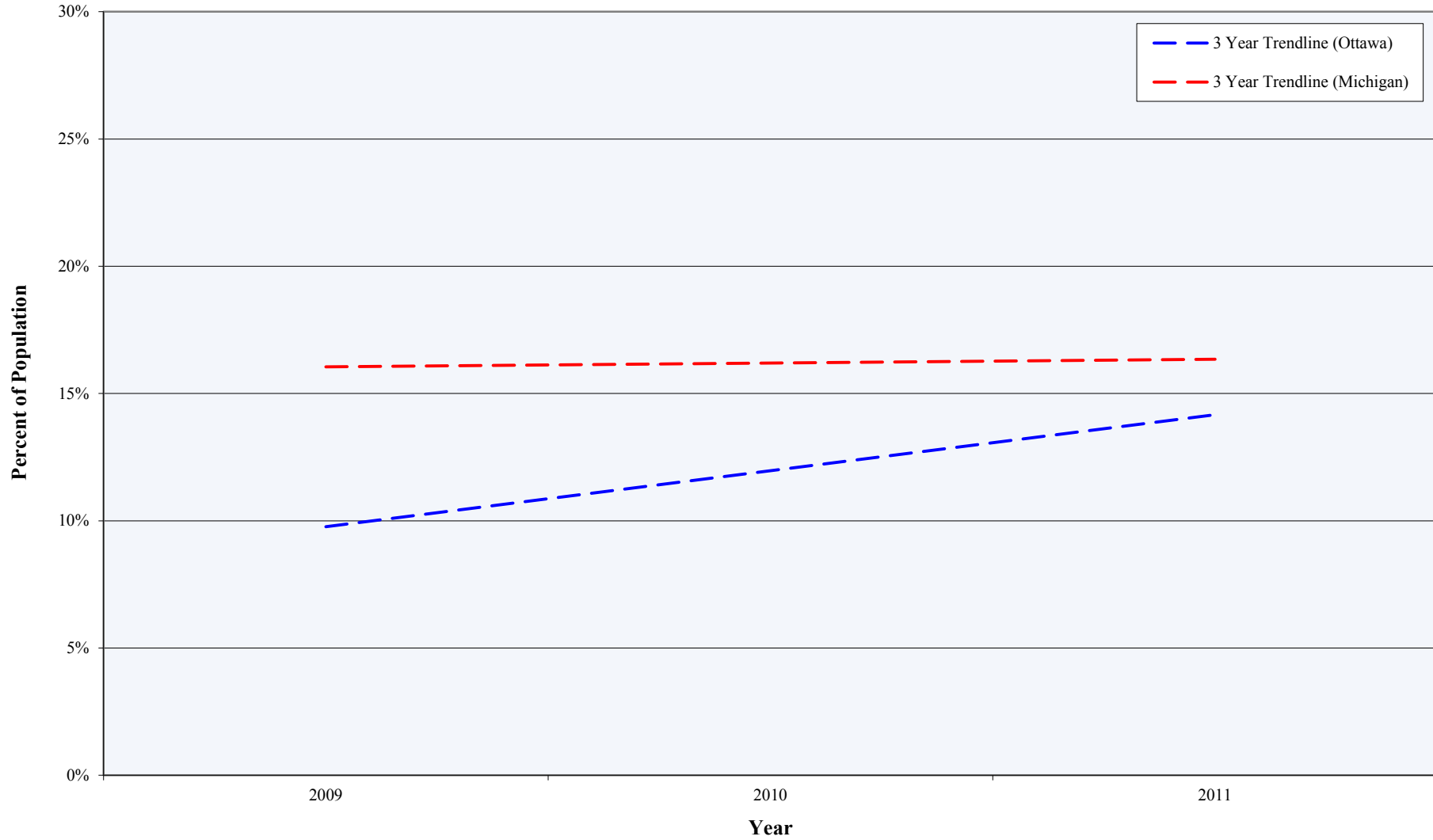


Source: U.S. Census Bureau, American Community Survey



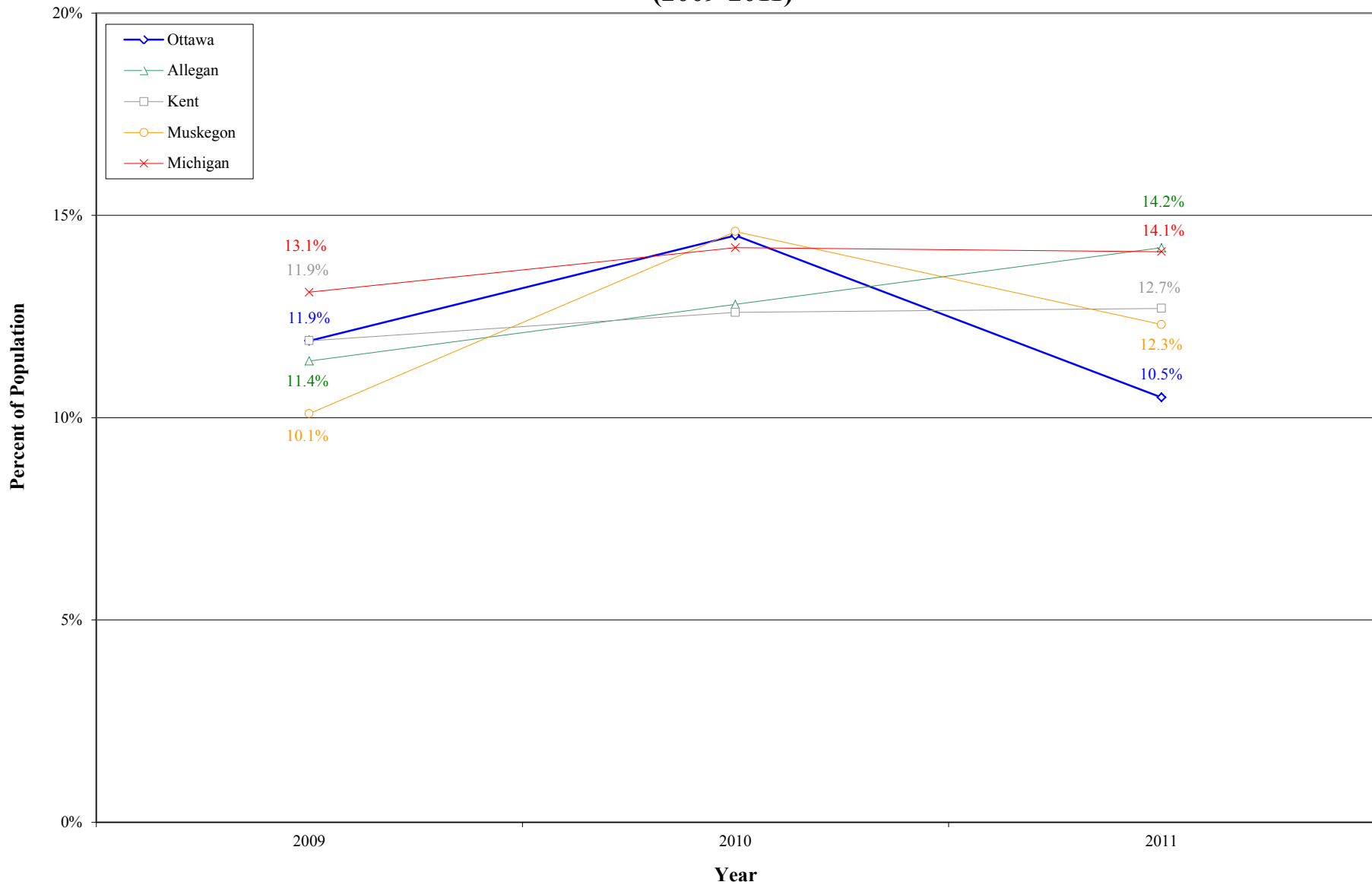
# Uninsured Population Among Persons with a High School Diploma

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

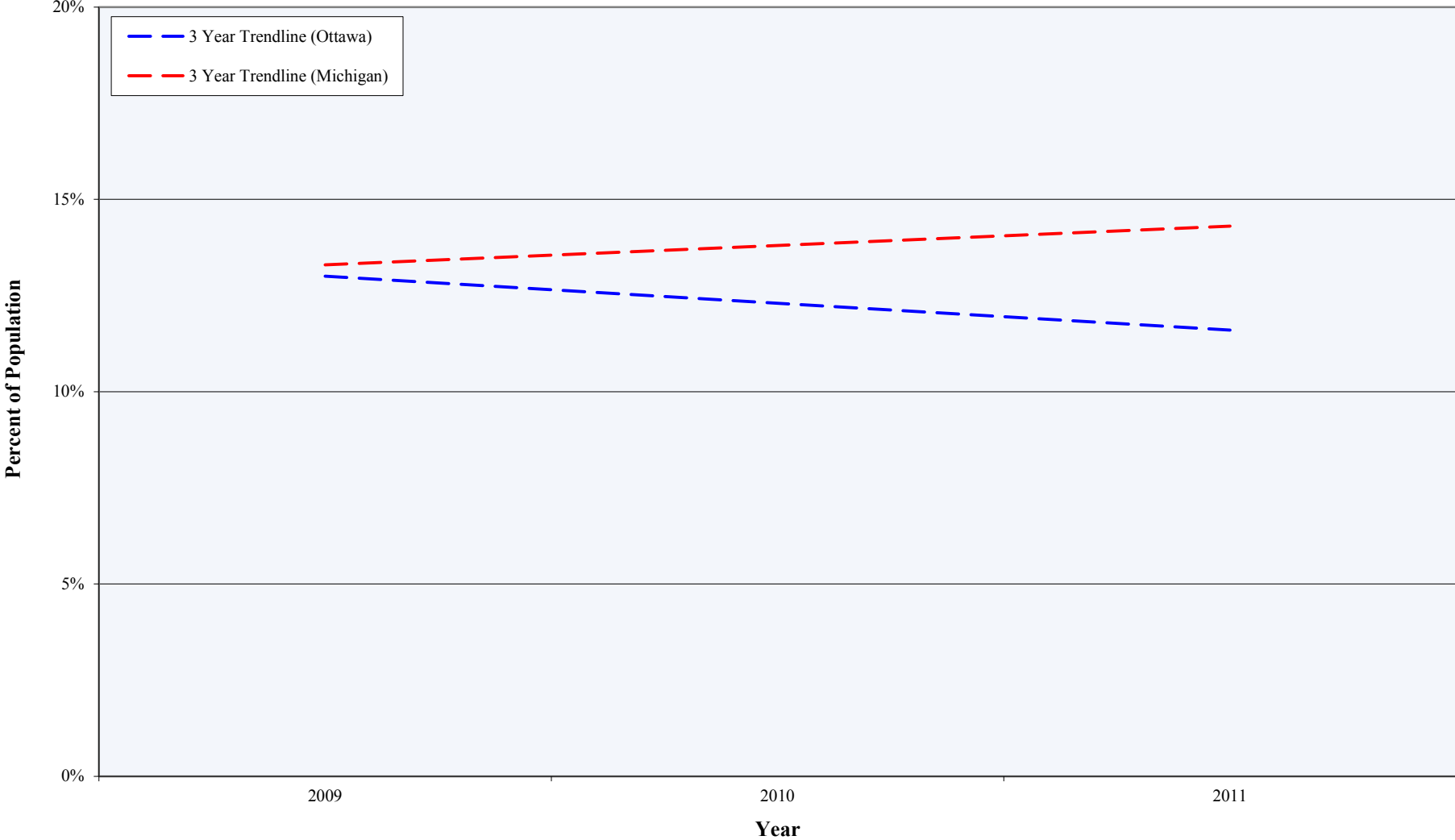
## Uninsured Population Among Persons with Some College or an Associate's Degree (2009-2011)



Source: U.S. Census Bureau, American Community Survey

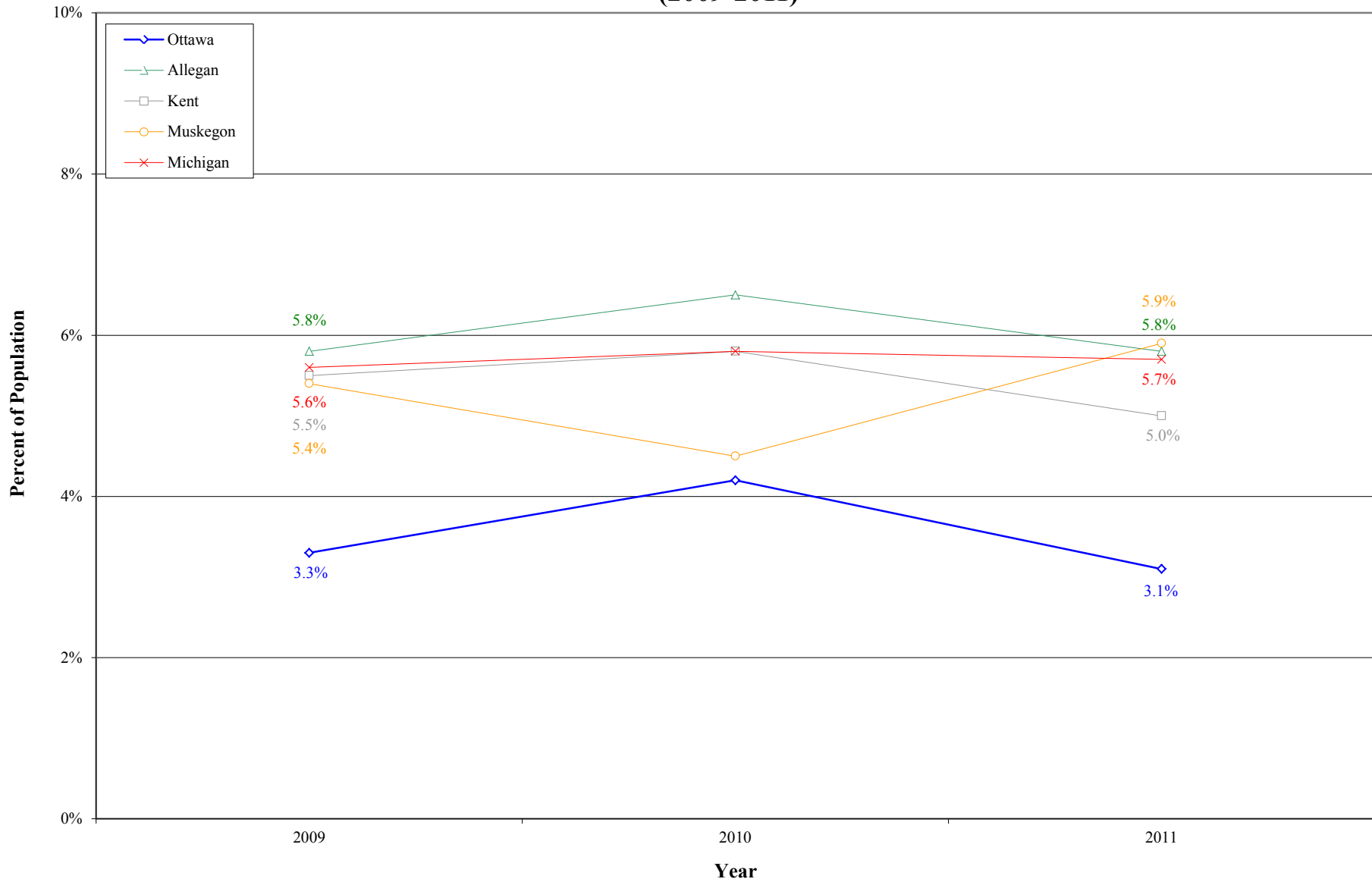
# Uninsured Population Among Persons with Some College or an Associate's Degree

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

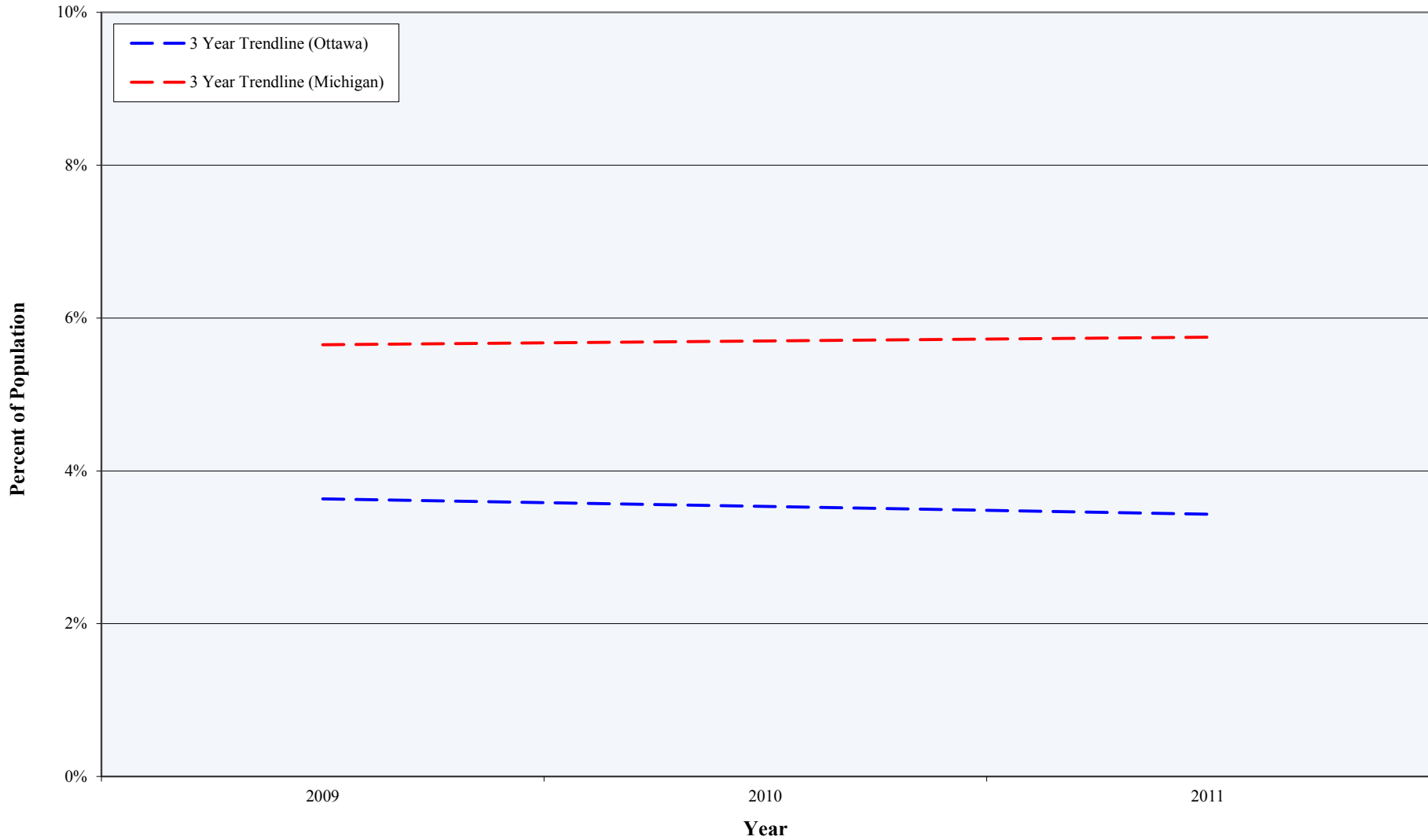
## Uninsured Population Among Persons with a Bachelor's Degree or Higher (2009-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Population Among Persons with a Bachelor's Degree or Higher

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Health Insurance (2009-2011)

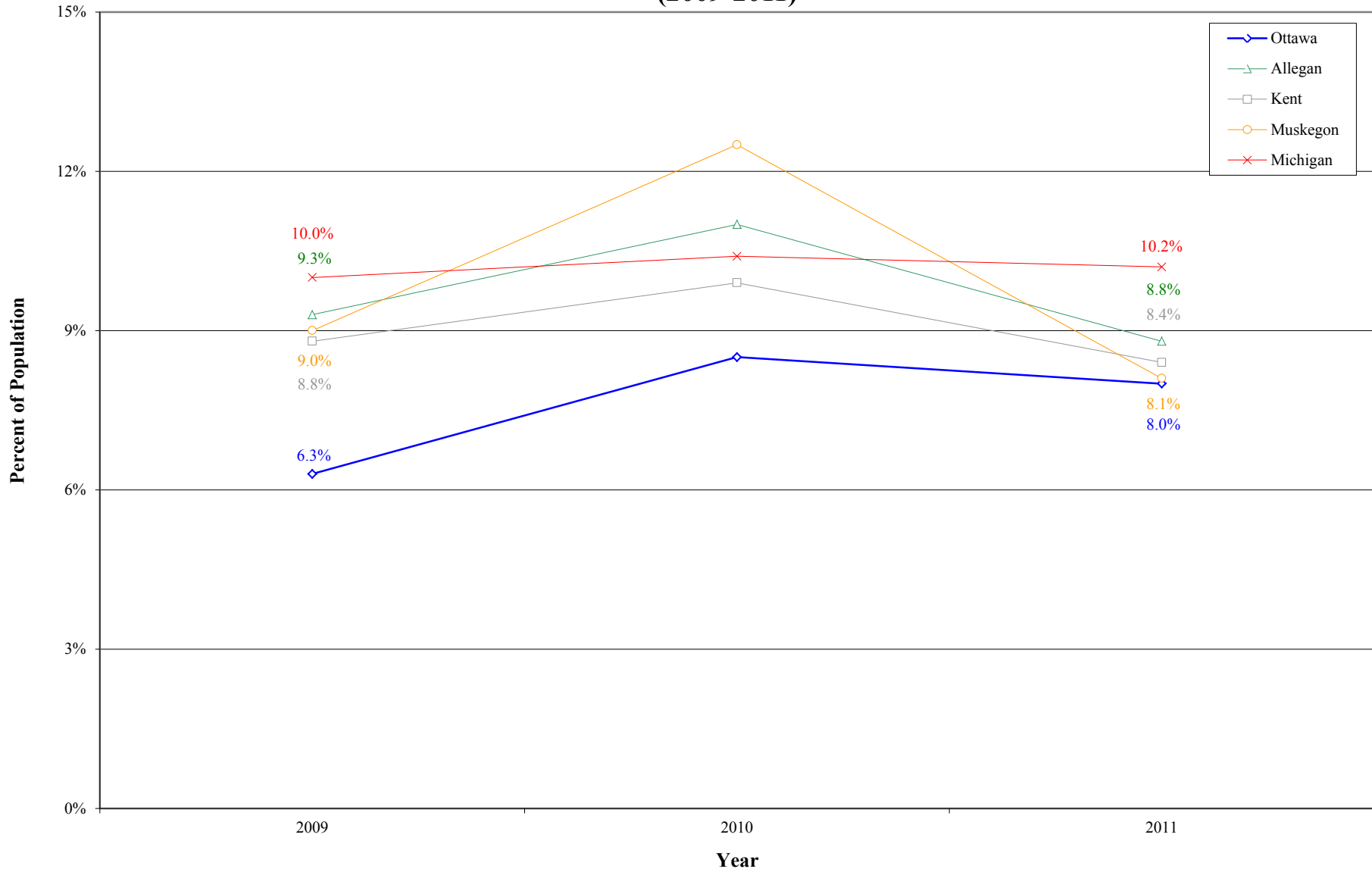
### Uninsured by Employment Status (Ottawa County, Adjacent Counties, State)

Year	Percent of Population*														
	Employed Full-Time					Employed Less Than Full-Time					Unemployed				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	6.3%	9.3%	8.8%	9.0%	10.0%	17.9%	25.4%	25.4%	26.7%	23.8%	37.6%	46.9%	43.7%	43.7%	41.3%
2010	8.5%	11.0%	9.9%	12.5%	10.4%	17.2%	23.1%	24.2%	27.4%	23.5%	39.9%	52.6%	36.4%	40.5%	42.2%
2011	8.0%	8.8%	8.4%	8.1%	10.2%	15.7%	18.7%	19.8%	25.7%	22.7%	40.8%	49.2%	34.2%	38.2%	39.0%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are based on the population in a specific employment status group

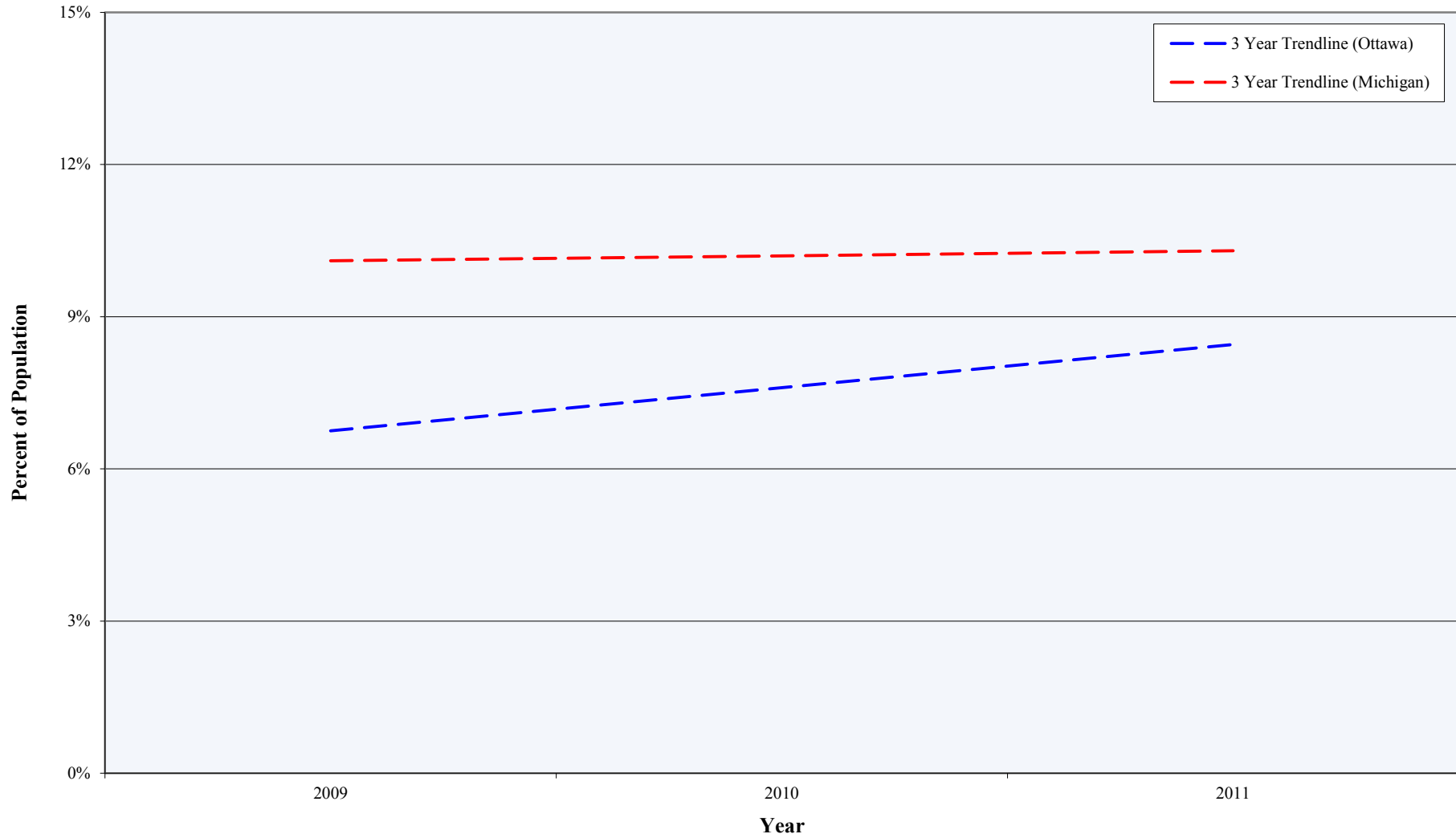
## Uninsured Population Among Persons Employed Full-Time (2009-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Population Among Persons Employed Full-Time

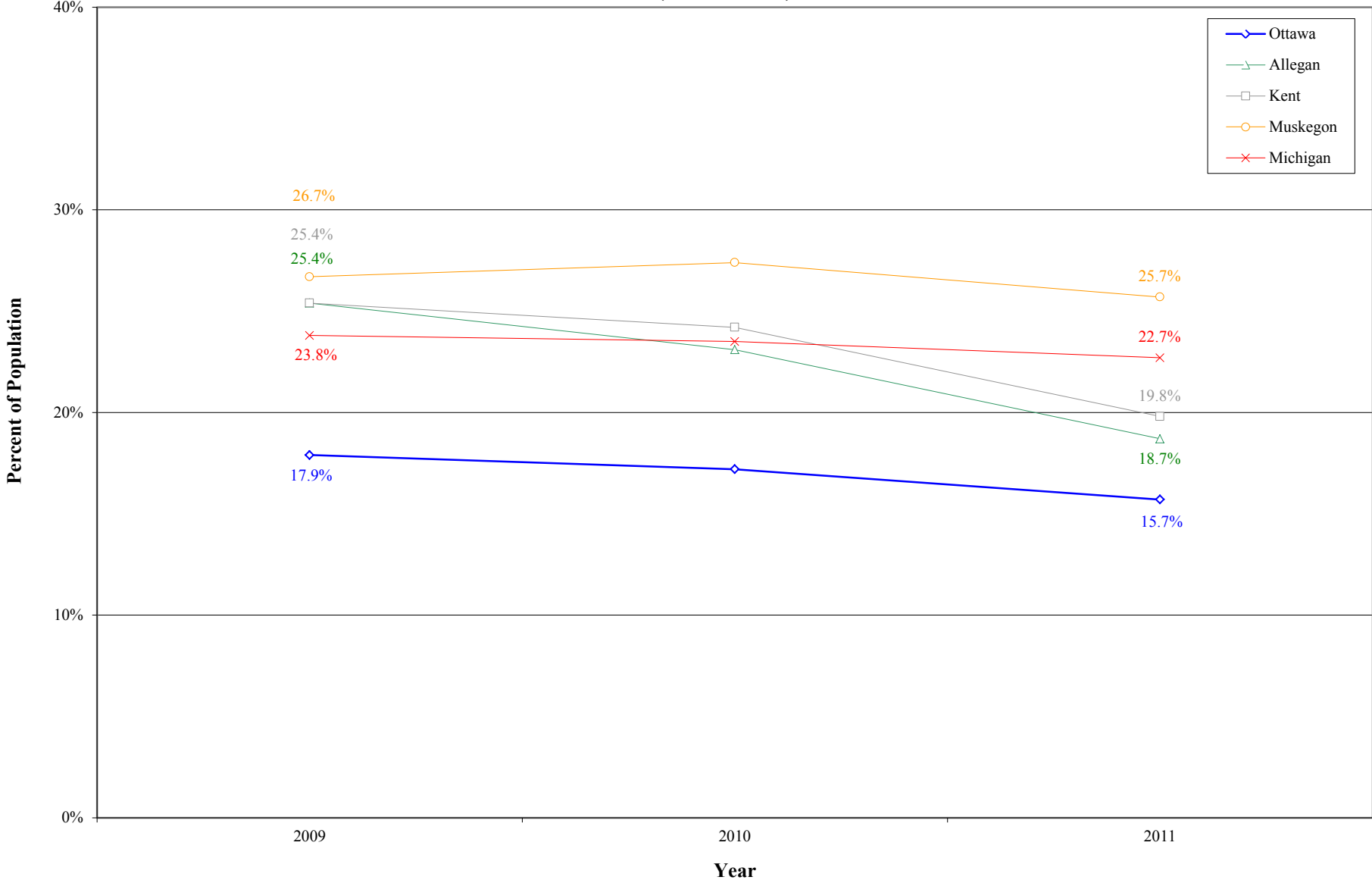
## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey



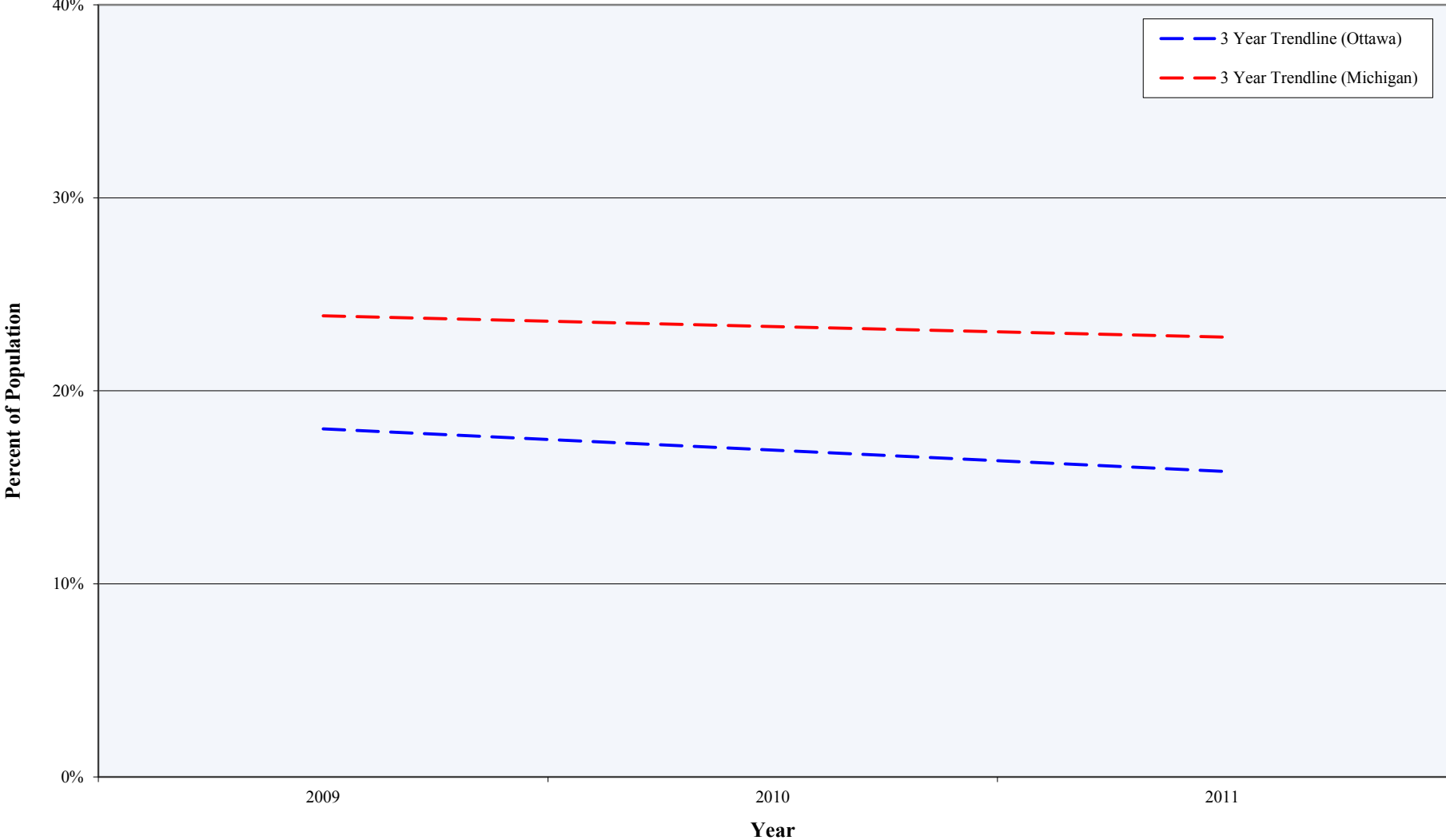
# Uninsured Population Among Persons Employed Less Than Full-Time (2009-2011)



Source: U.S. Census Bureau, American Community Survey

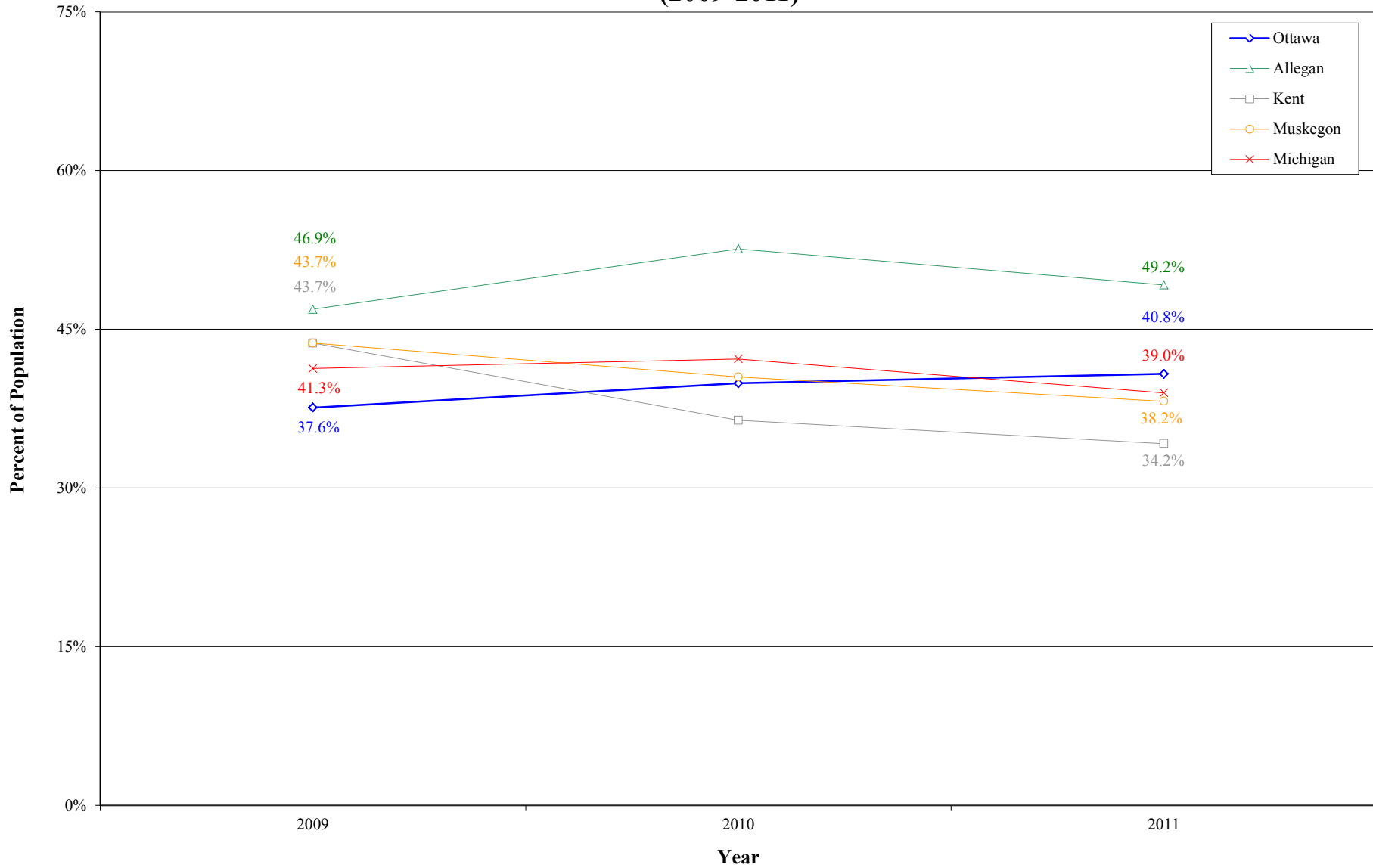
# Uninsured Population Among Persons Employed Less Than Full-Time

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

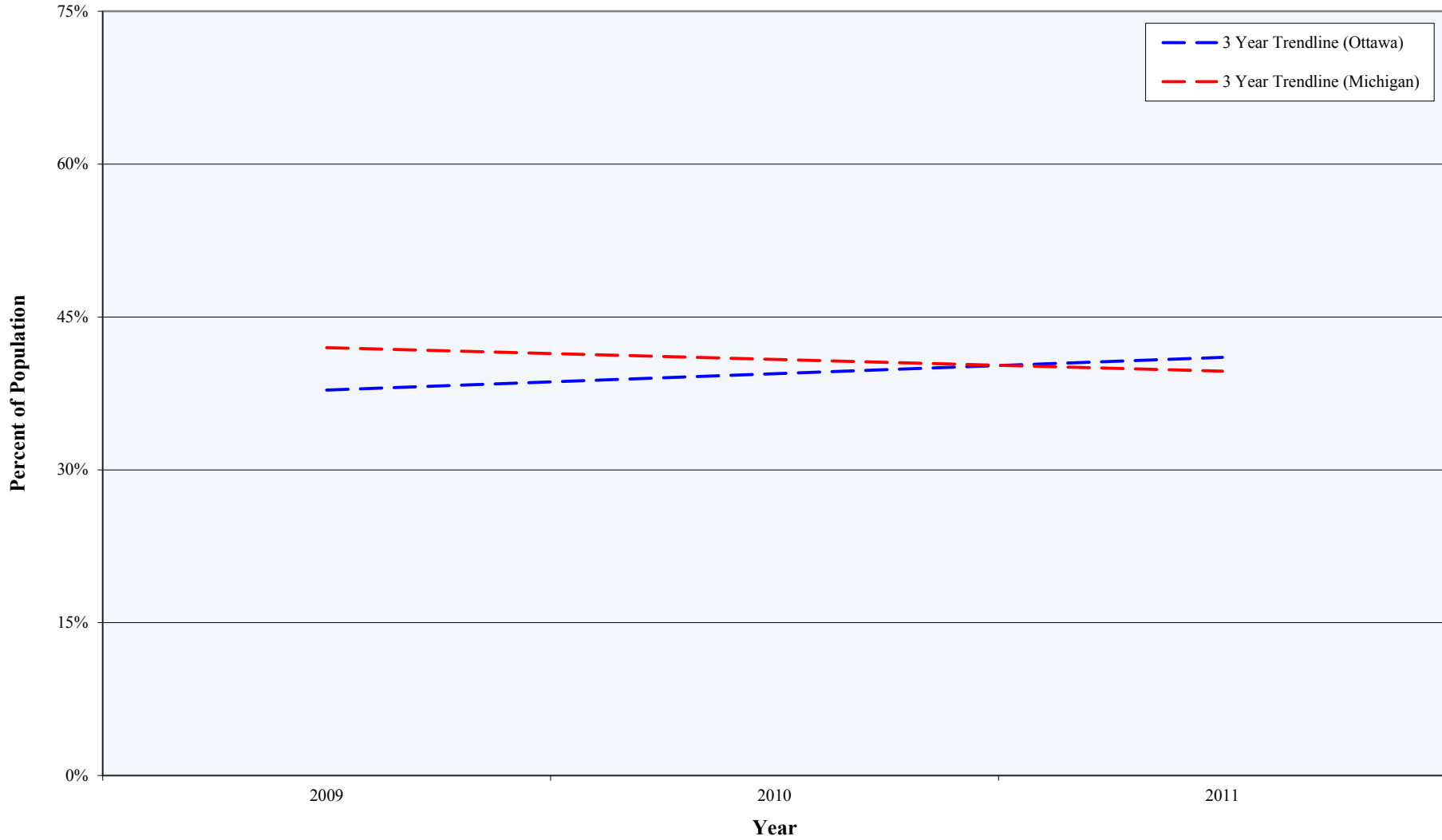
## Uninsured Population Among Unemployed Persons (2009-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Population Among Unemployed Persons

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

## Health Insurance (2009-2011)

### Uninsured by Annual Household Income (Ottawa County, Adjacent Counties, State)

Year	Percent of Population*														
	Under \$25,000					\$25,000 to \$49,999					\$50,000 to \$74,999				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	18.4%	23.5%	20.6%	15.8%	20.3%	13.0%	11.4%	16.1%	13.7%	15.5%	5.1%	7.2%	9.6%	11.3%	10.7%
2010	18.5%	26.6%	22.0%	19.6%	20.2%	11.8%	14.7%	16.4%	14.3%	16.3%	6.9%	8.6%	8.2%	10.1%	10.0%
2011	17.8%	17.4%	17.2%	18.3%	19.6%	12.4%	13.7%	15.5%	13.3%	15.3%	9.4%	5.5%	9.9%	6.6%	10.7%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are based on the population in a specific household income group

## Health Insurance (2009-2011)

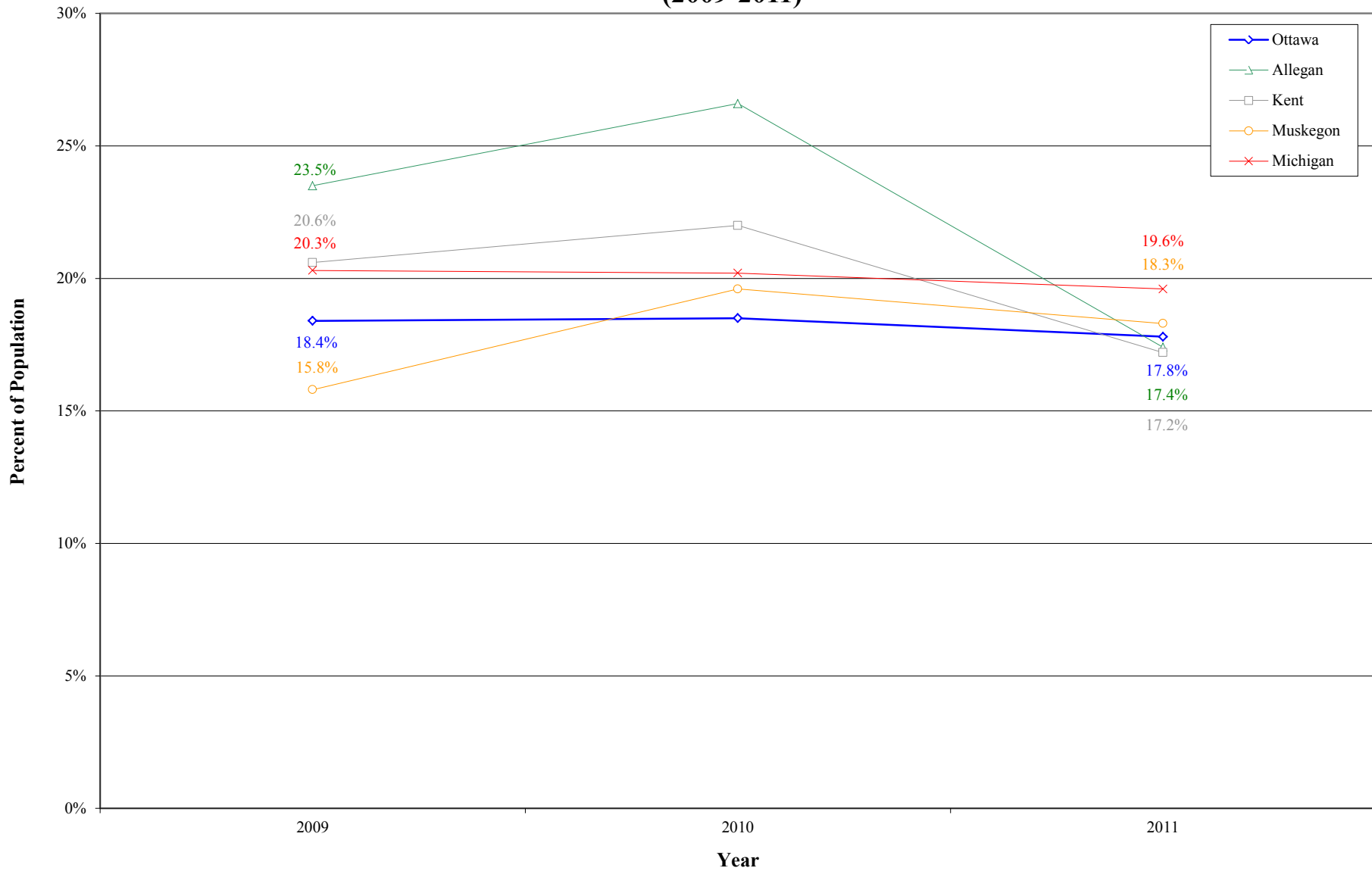
### Uninsured by Annual Household Income (Ottawa County, Allegan Counties, State)

Year	Percent of Population*									
	\$75,000 to \$99,999					\$100,000 and Over				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	4.7%	6.1%	7.5%	5.6%	7.6%	3.1%	5.4%	4.5%	4.8%	4.2%
2010	5.6%	4.5%	5.4%	6.1%	7.2%	6.6%	3.5%	4.2%	3.6%	4.7%
2011	4.2%	6.0%	5.5%	5.0%	6.3%	4.1%	5.0%	2.8%	5.4%	4.2%

Source: U.S. Census Bureau, American Community Survey

\* Percentages are based on the population in a specific household income group

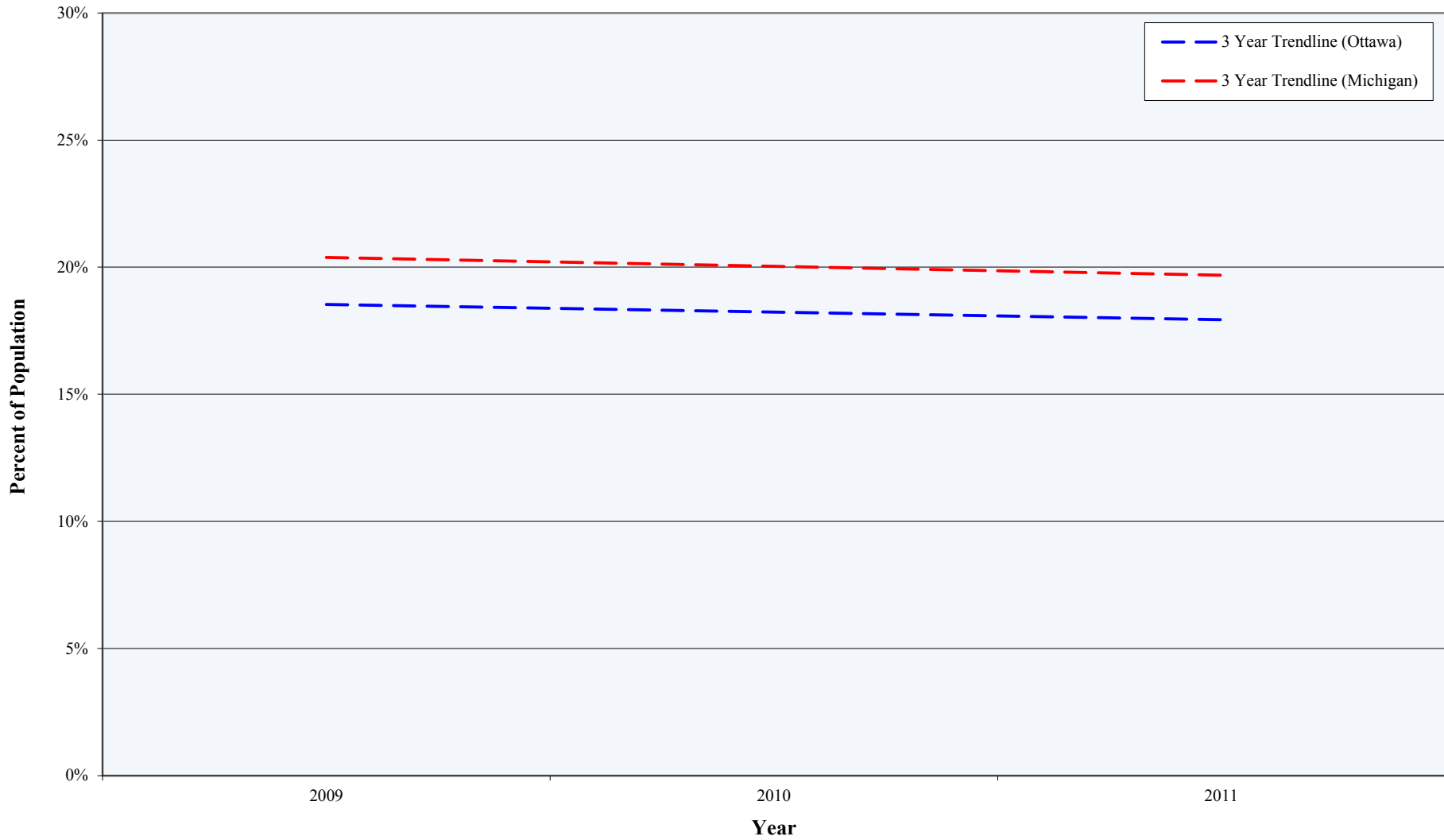
## Uninsured Among Households with Income Under \$25,000 (2009-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Among Households with Income Under \$25,000

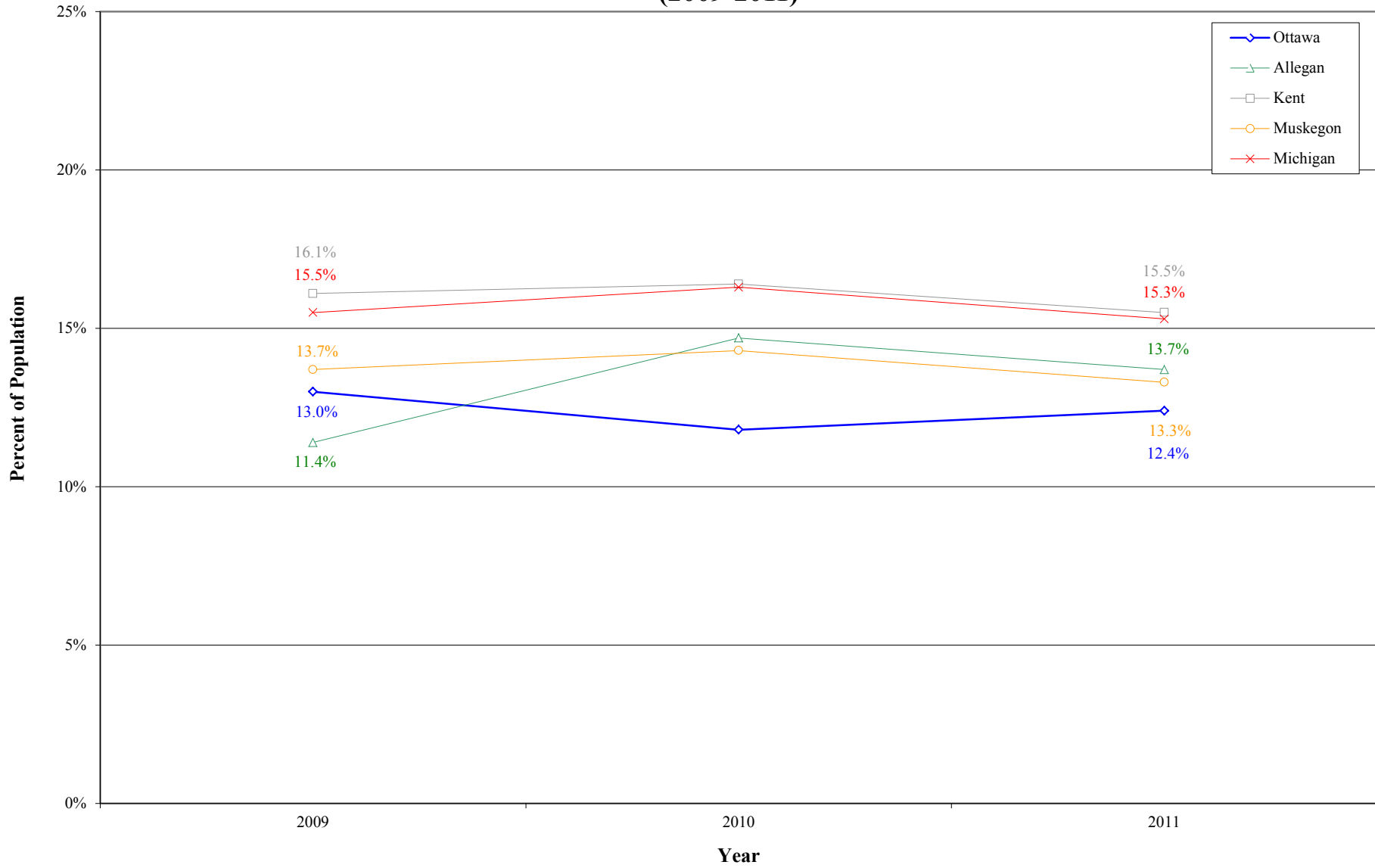
## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey



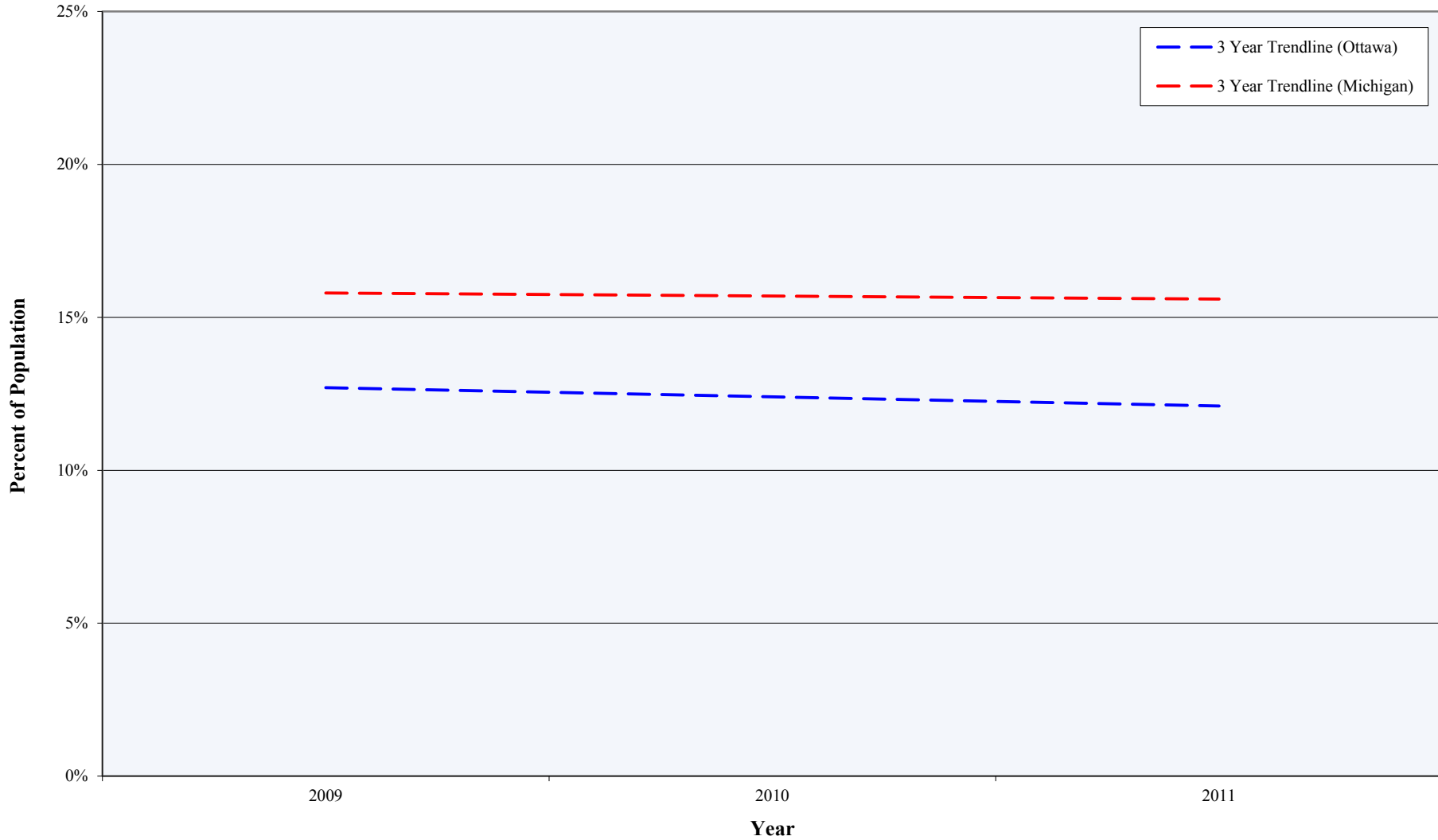
## Uninsured Among Households with Income Between \$25,000 and \$49,999 (2009-2011)



Source: U.S. Census Bureau, American Community Survey

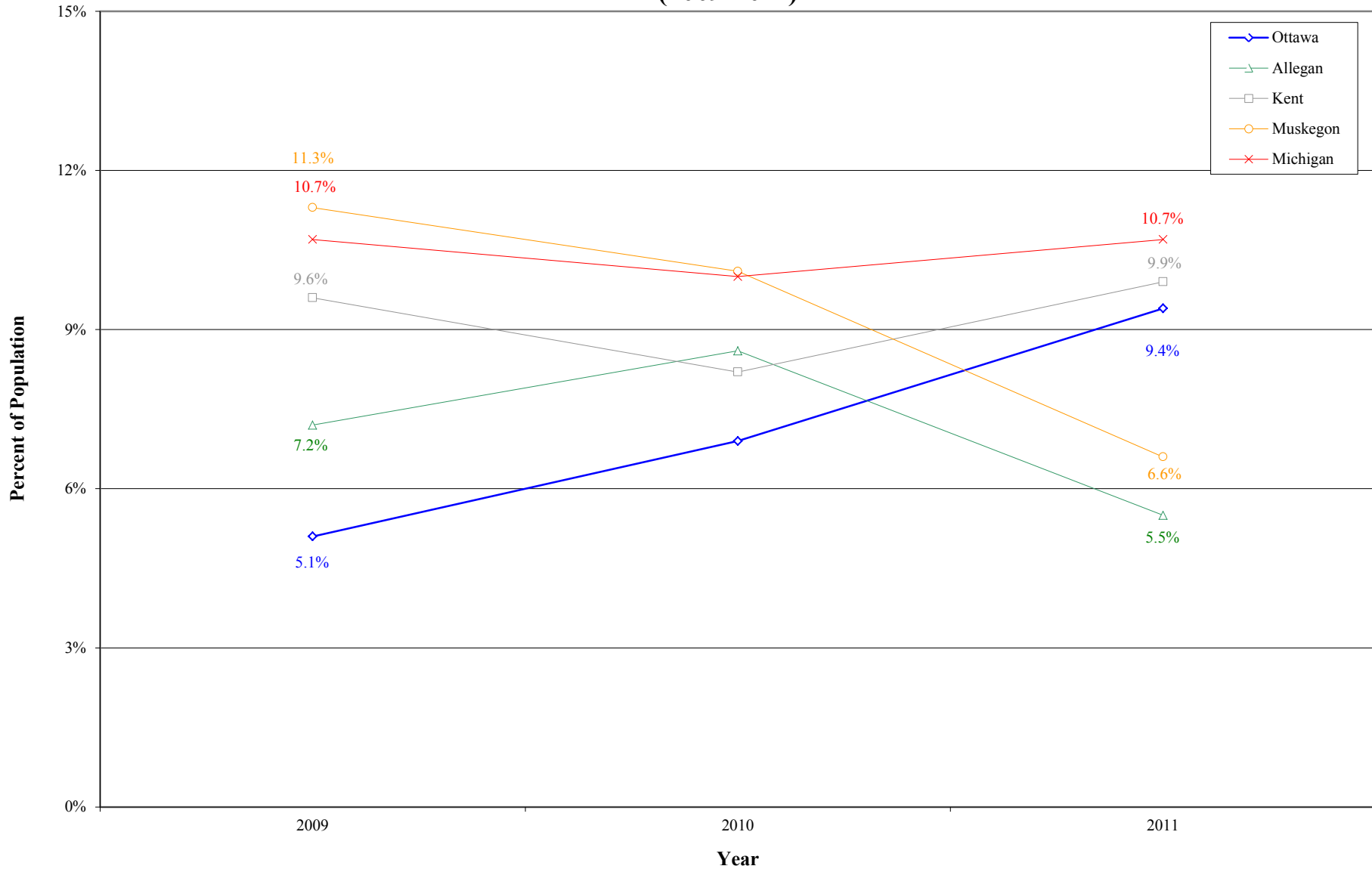
# Uninsured Among Households with Income Between \$25,000 and \$49,999

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

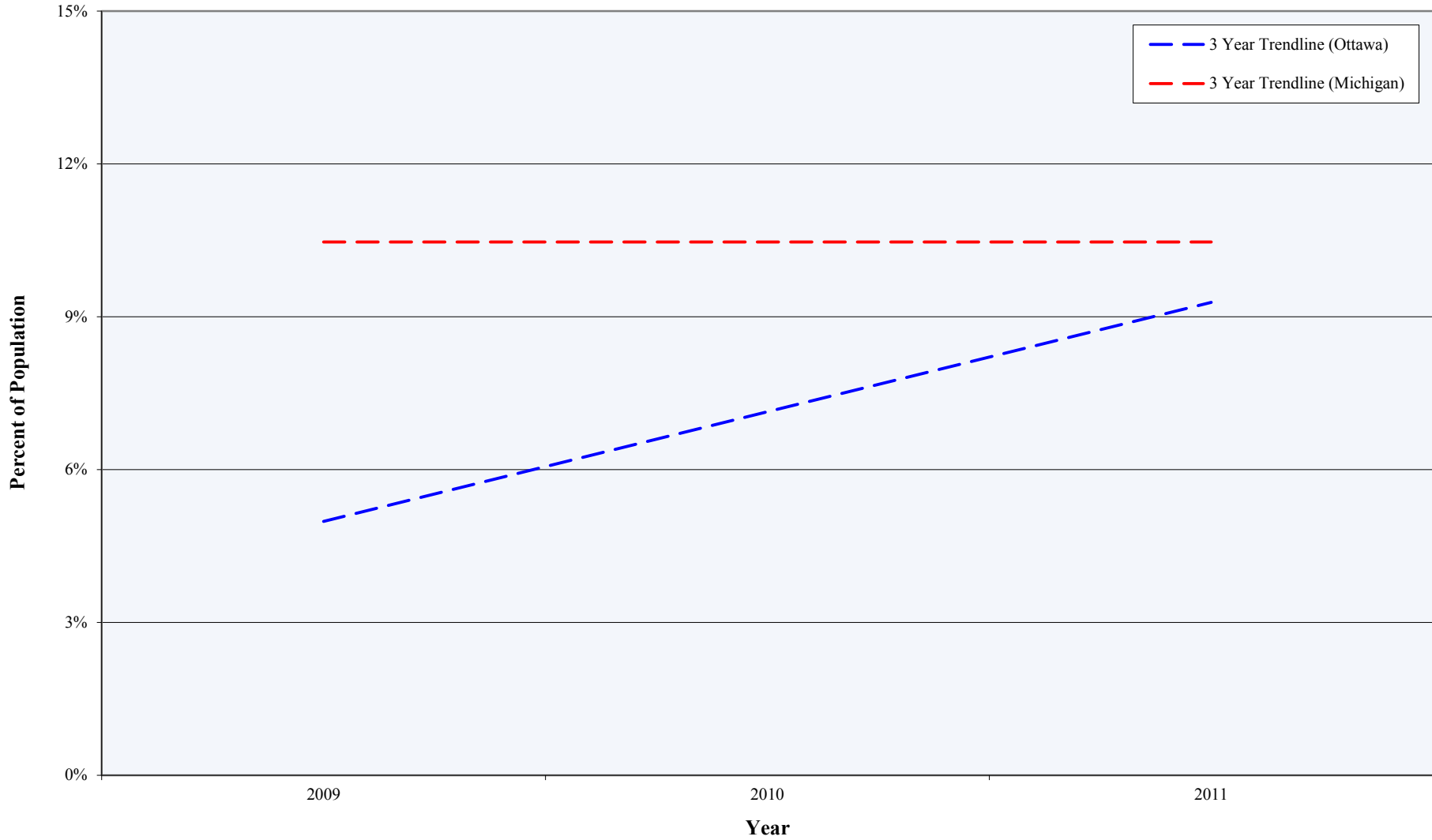
## Uninsured Among Households with Income Between \$50,000 and \$74,999 (2009-2011)



Source: U.S. Census Bureau, American Community Survey

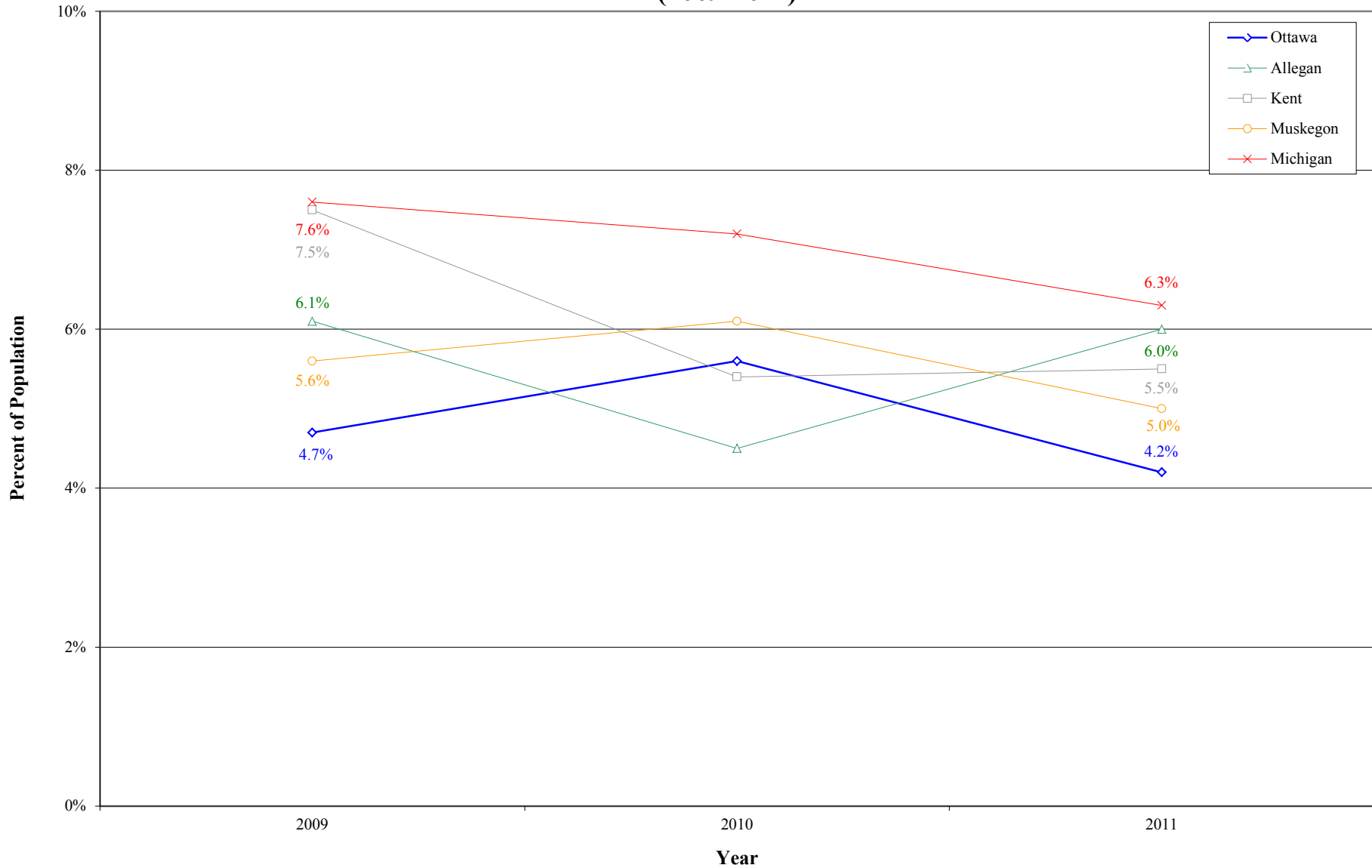
# Uninsured Among Households with Income Between \$50,000 and \$74,999

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

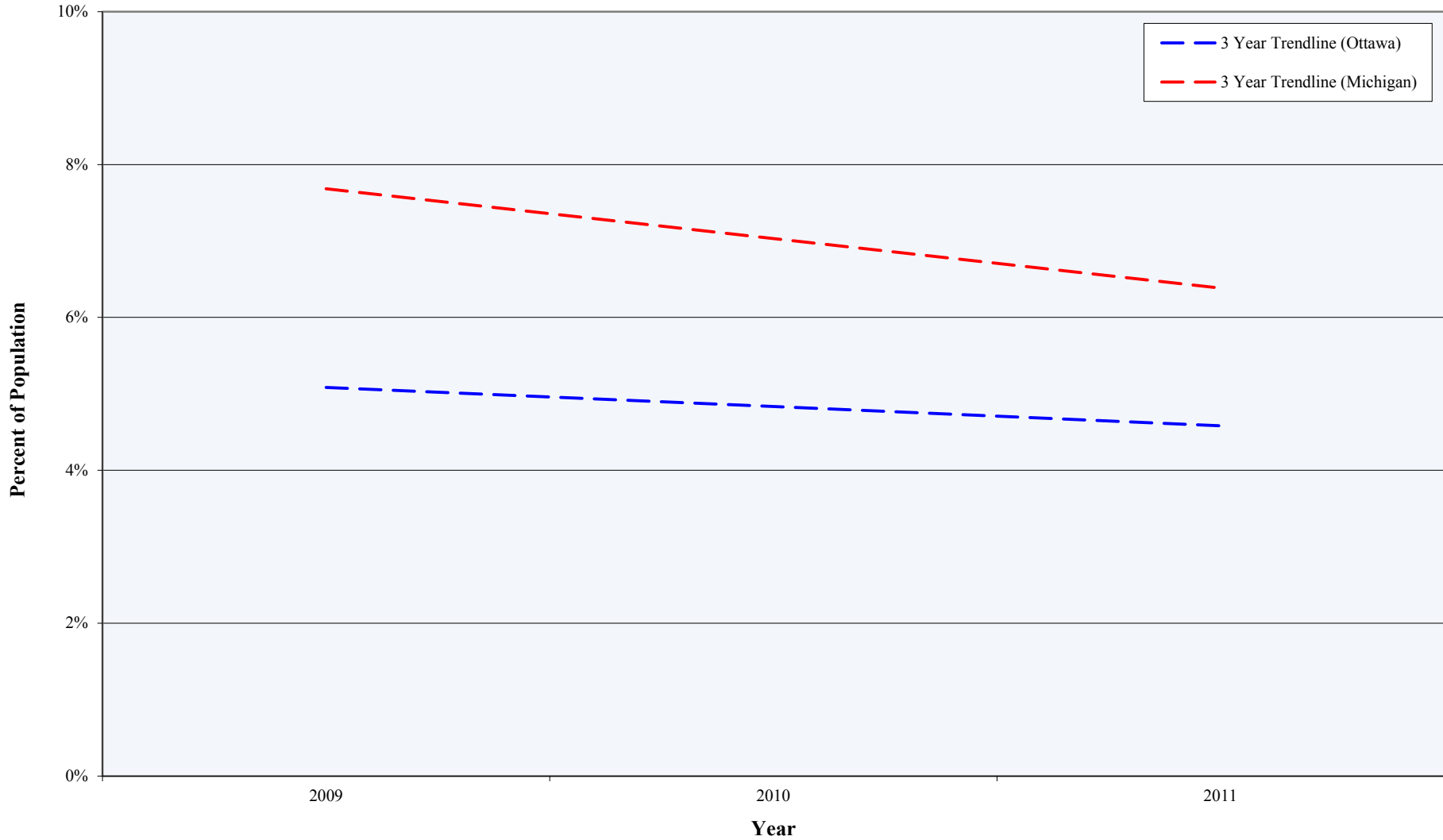
## Uninsured Among Households with Income Between \$75,000 and \$99,999 (2009-2011)



Source: U.S. Census Bureau, American Community Survey

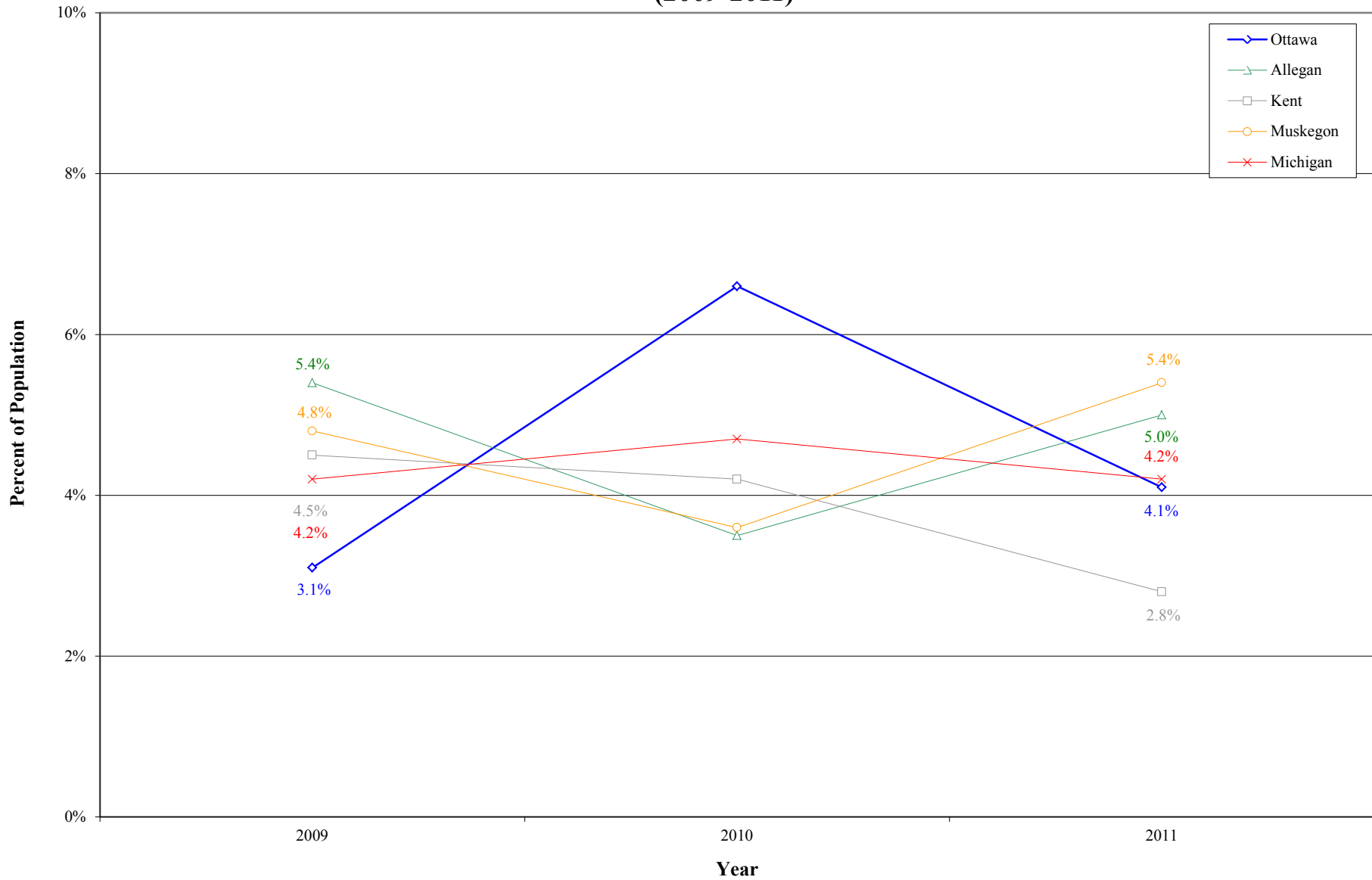
# Uninsured Among Households with Income Between \$75,000 and \$99,999

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

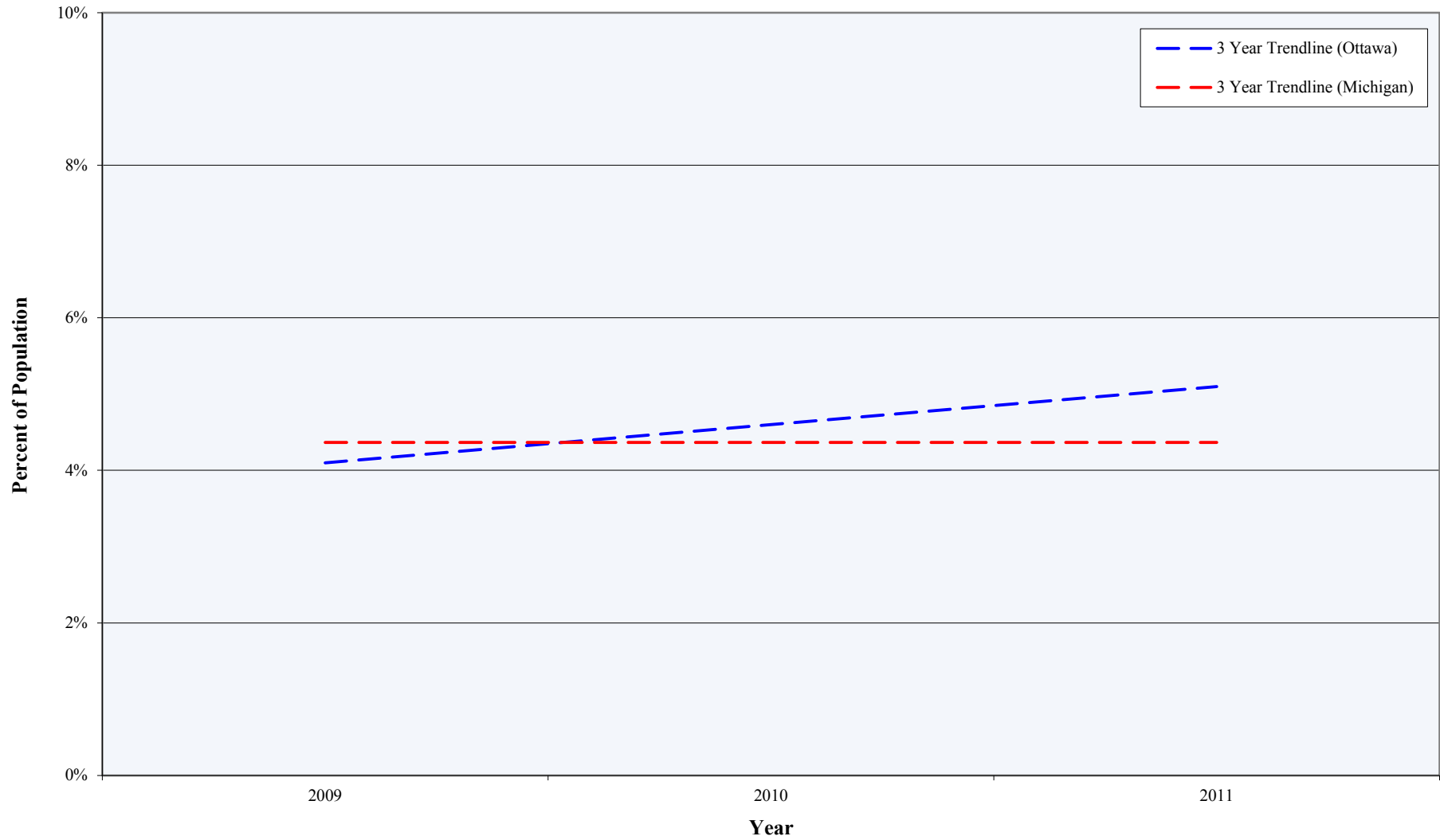
## Uninsured Among Households with Income of \$100,000 or More (2009-2011)



Source: U.S. Census Bureau, American Community Survey

# Uninsured Among Households with Income of \$100,000 or More

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey



## Health Insurance (2009-2011)

### Insured By Type of Health Coverage (Ottawa County, Adjacent Counties, State)

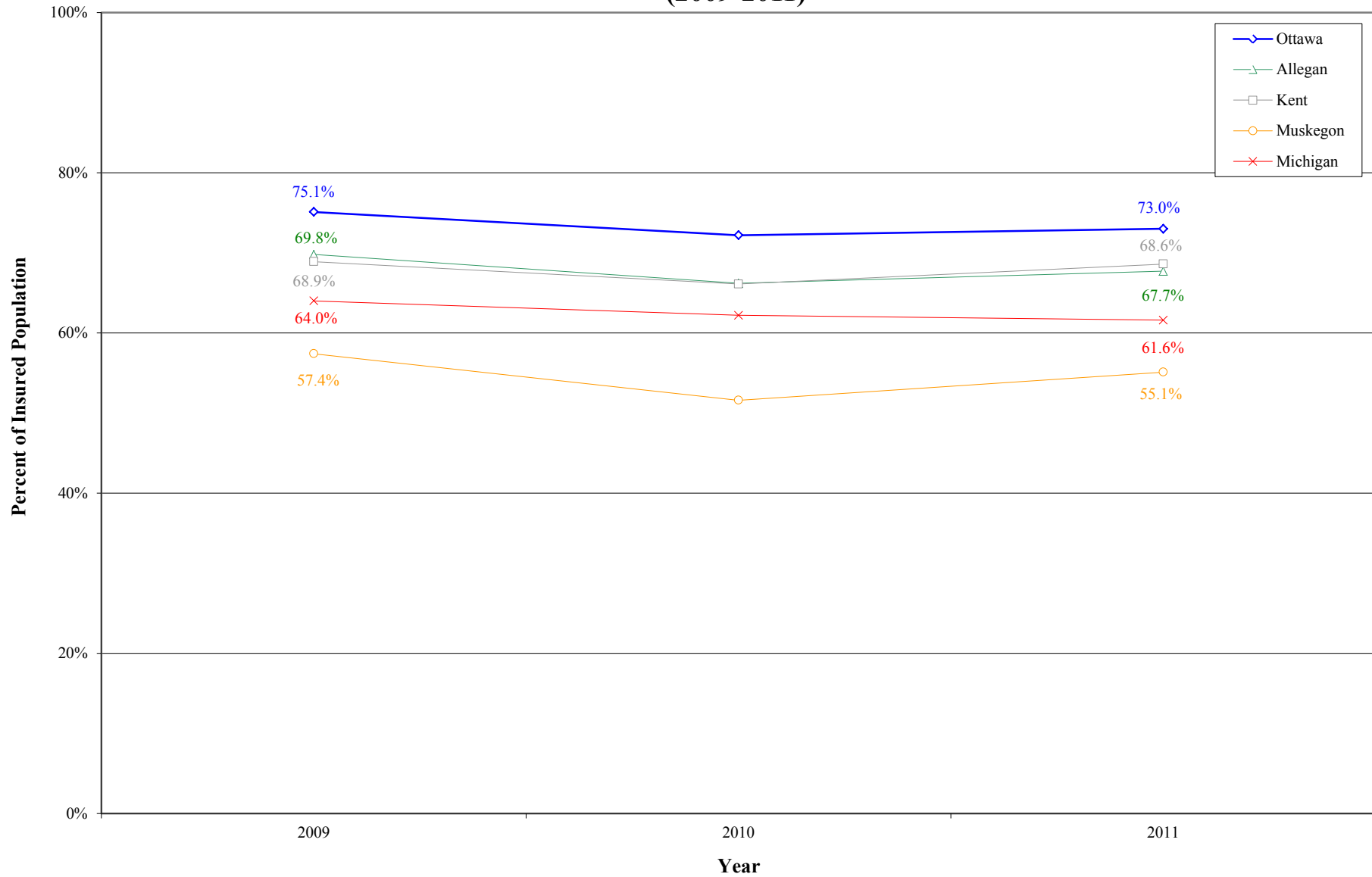
#### Percent of Insured Population

Year	Private Insurance*					Public Insurance*					Both Private and Public Insurance				
	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan	Ottawa	Allegan	Kent	Muskegon	Michigan
2009	75.1%	69.8%	68.9%	57.4%	64.0%	12.5%	15.4%	18.0%	26.3%	20.4%	12.5%	14.8%	13.1%	16.3%	15.6%
2010	72.2%	66.2%	66.1%	51.6%	62.2%	13.3%	18.2%	20.1%	31.6%	21.7%	14.5%	15.6%	13.8%	16.8%	16.1%
2011	73.0%	67.7%	68.6%	55.1%	61.6%	11.8%	18.3%	19.2%	30.2%	22.5%	15.2%	14.0%	12.1%	14.7%	15.9%

Source: U.S. Census Bureau, American Community Survey

\* Private insurance includes employer-based health insurance, direct-purchase health coverage, and TRICARE/other military health coverage. Public insurance includes Medicare, Medicaid and other medical assistance programs, VA Health Care, the Children's Health Insurance Program, and individual state health plans

## Insured Population with Private\* Coverage (2009-2011)

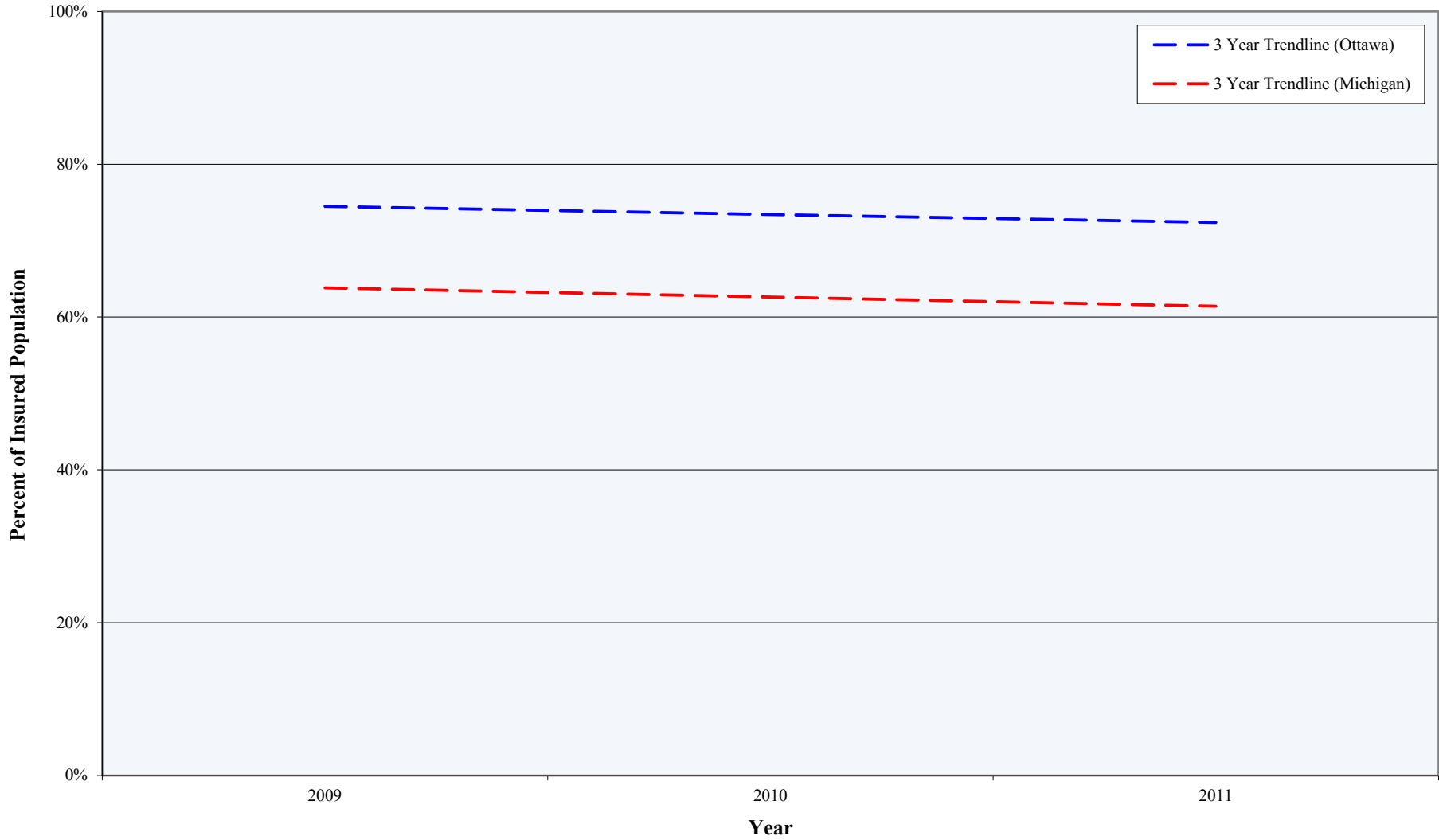


Source: U.S. Census Bureau, American Community Survey

\* Private insurance includes employer-based health insurance, direct-purchase health coverage, and TRICARE/other military health coverage

# Insured Population with Private\* Coverage

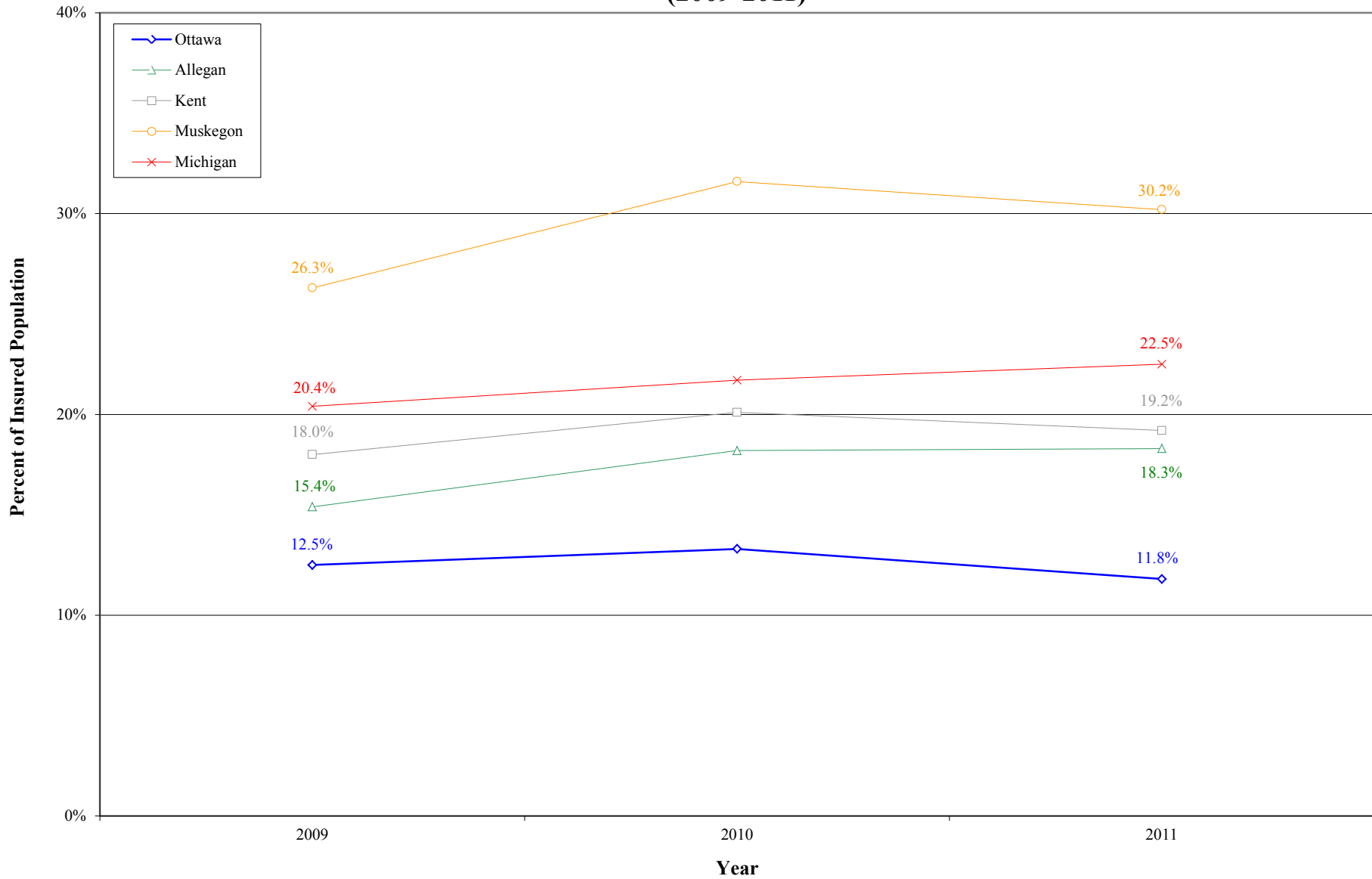
## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

\* Private insurance includes employer-based health insurance, direct-purchase health coverage, and TRICARE/other military health coverage

## Insured Population with Public\* Coverage (2009-2011)

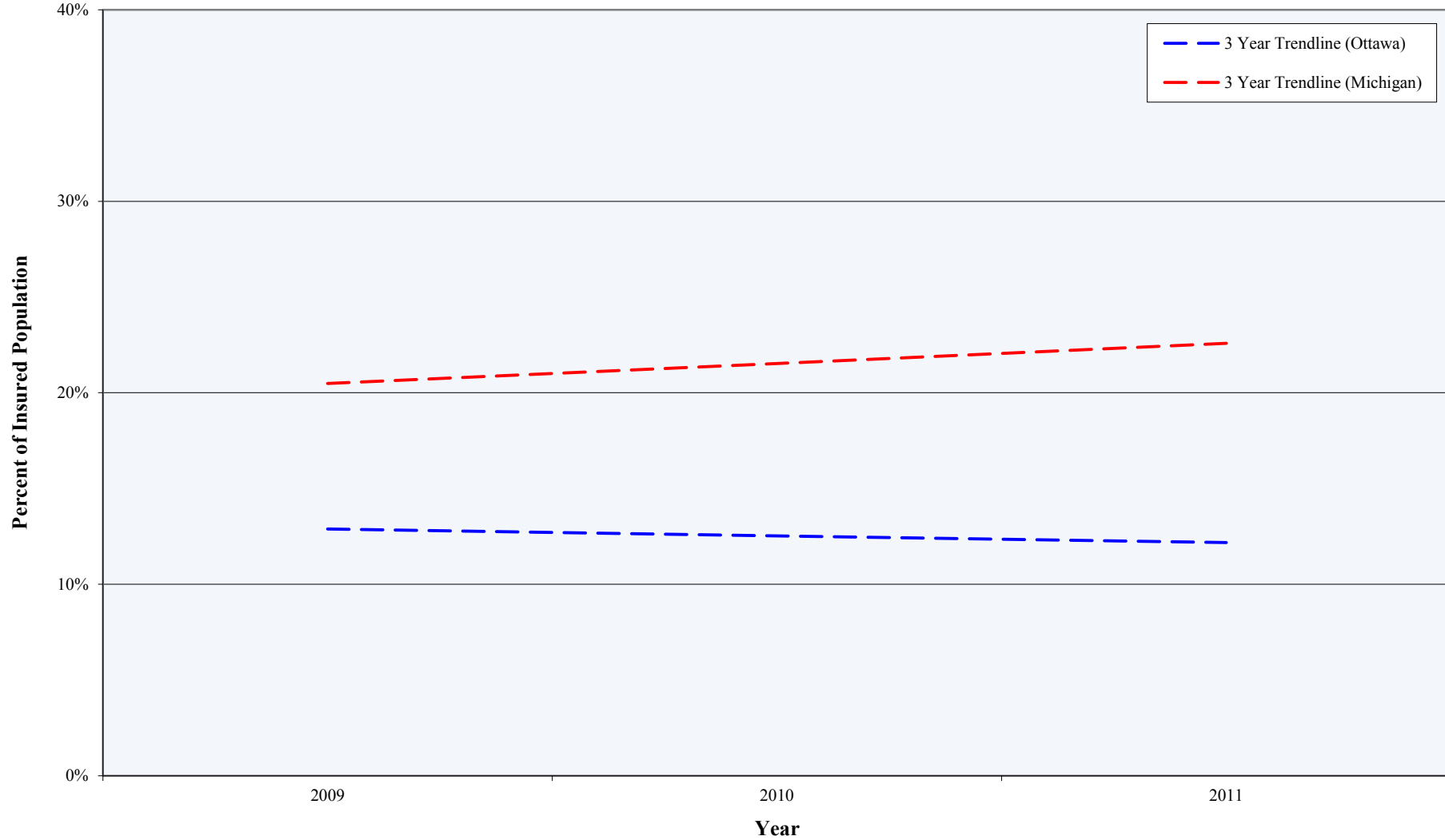


Source: U.S. Census Bureau, American Community Survey

\* Public insurance includes Medicare, Medicaid and other medical assistance programs, VA Health Care, the Children's Health Insurance Program, and individual state health plans

# Insured Population with Public\* Coverage

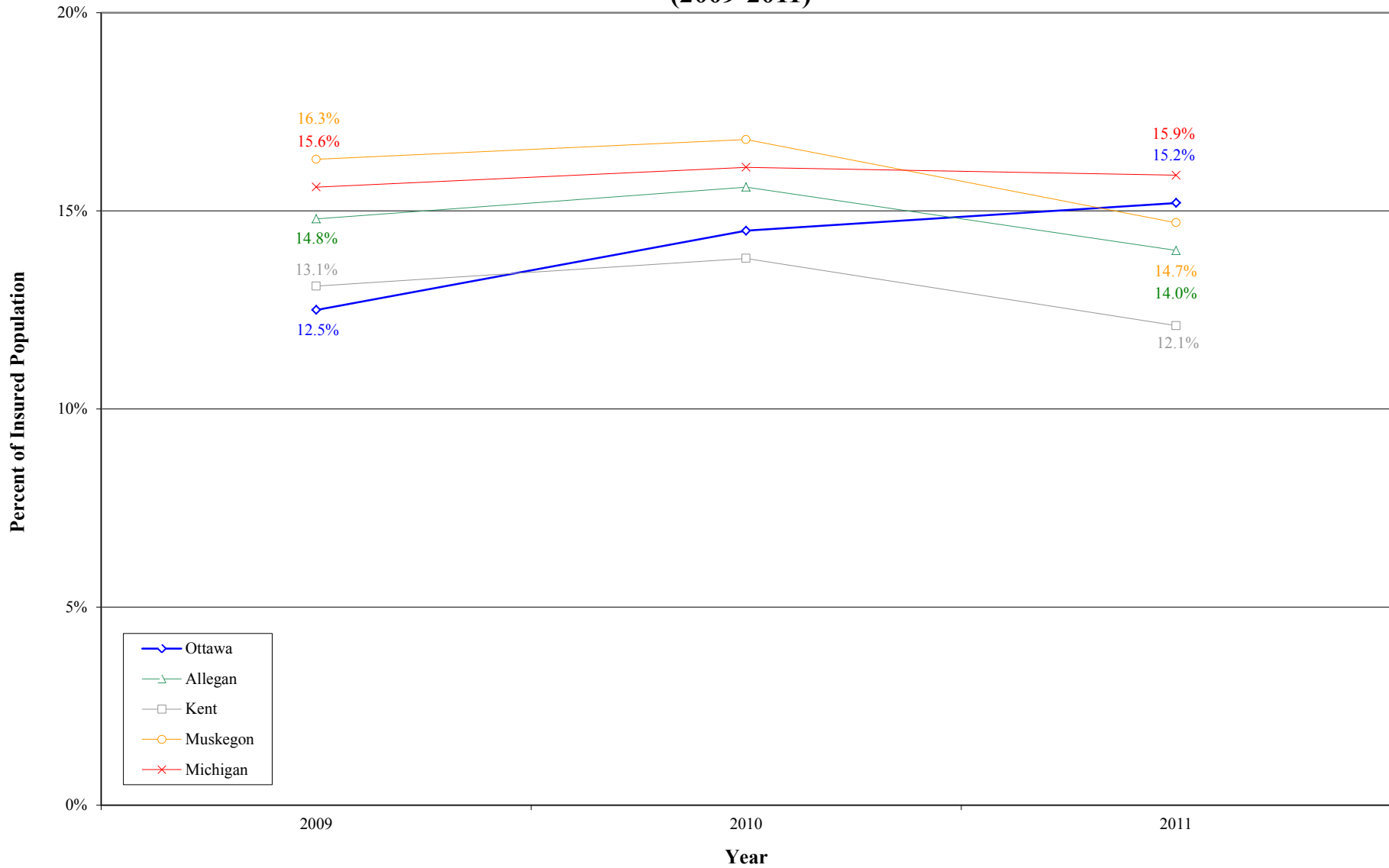
## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

\* Public insurance includes Medicare, Medicaid and other medical assistance programs, VA Health Care, the Children's Health Insurance Program, and individual state health plans

## Insured Population with Both Private and Public\* Coverage (2009-2011)

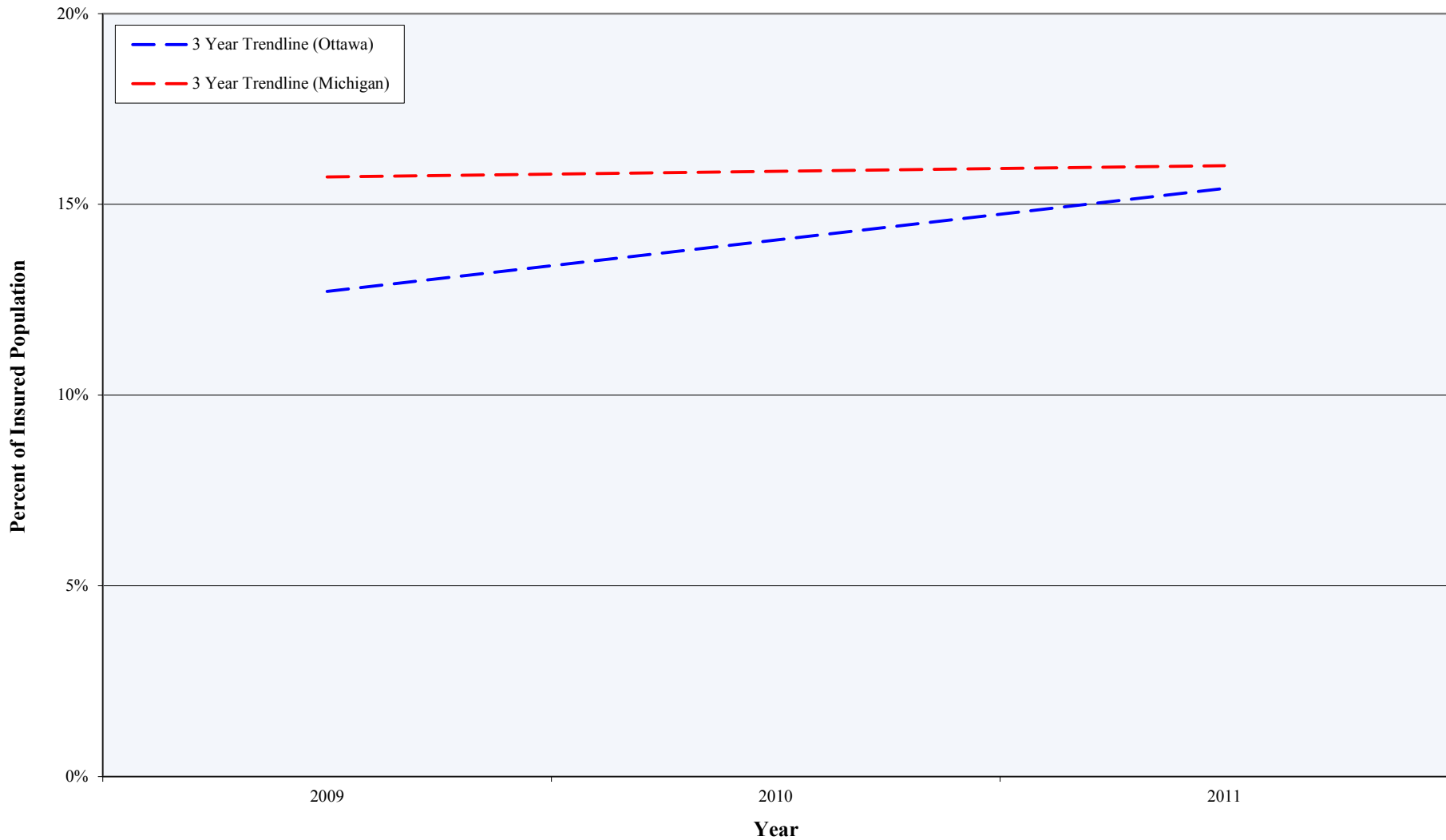


Source: U.S. Census Bureau, American Community Survey

\* Private insurance includes employer-based health insurance, direct-purchase health coverage, and TRICARE/other military health coverage. Public insurance includes Medicare, Medicaid and other medical assistance programs, VA Health Care, the Children's Health Insurance Program, and individual state health plans

# Insured Population with Both Private and Public\* Coverage

## 3 Year Trend



Source: U.S. Census Bureau, American Community Survey

\* Private insurance includes employer-based health insurance, direct-purchase health coverage, and TRICARE/other military health coverage. Public insurance includes Medicare, Medicaid and other medical assistance programs, VA Health Care, the Children's Health Insurance Program, and individual state health plans

## Health Insurance (1999-2010)

### Children Insured with MICHild\* (Ottawa County, Adjacent Counties, State)

#### Percent of Population Age 18 and Under

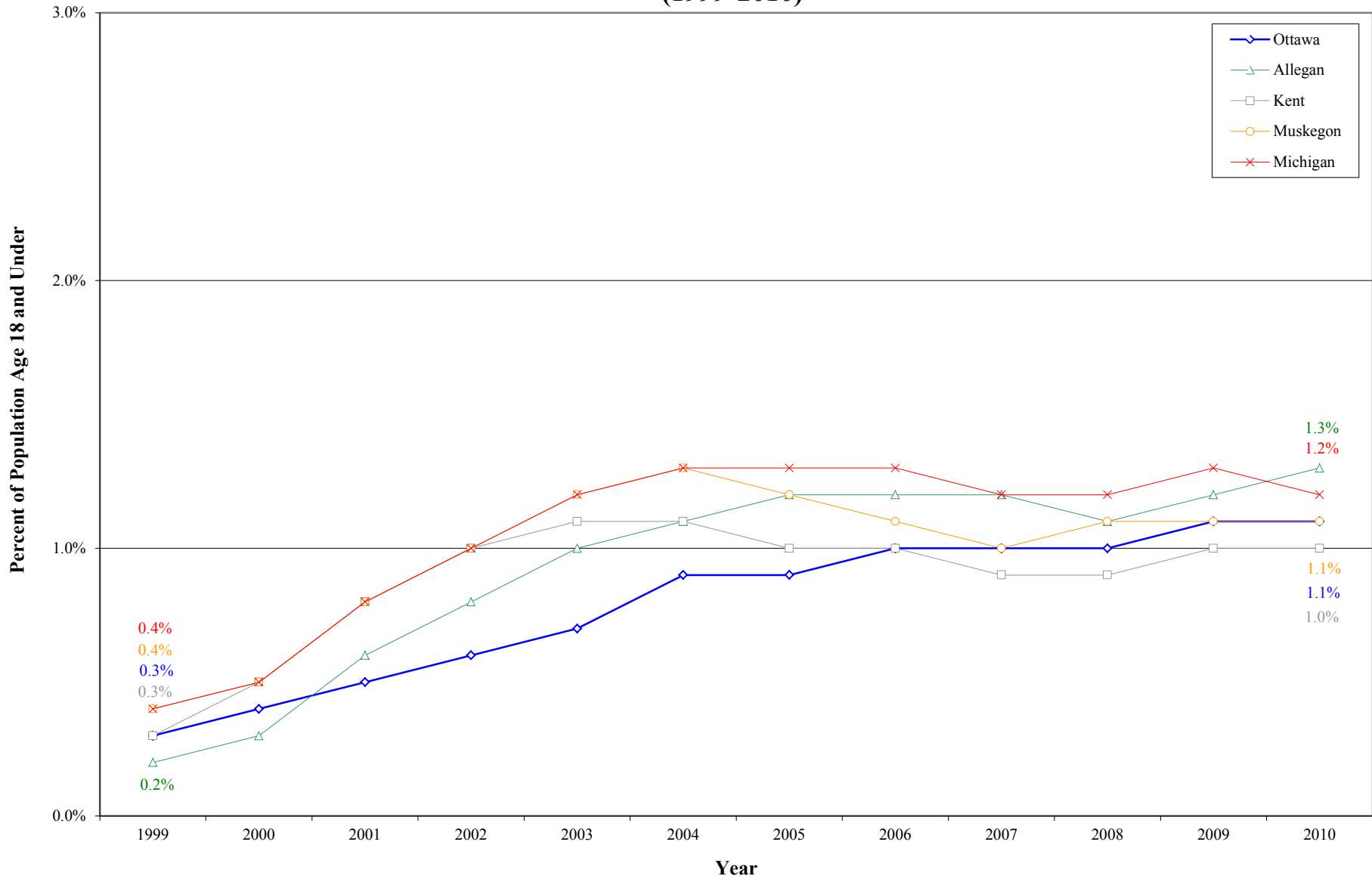
Year	Ottawa	Allegan	Kent	Muskegon	Michigan
1999	0.3%	0.2%	0.3%	0.4%	0.4%
2000	0.4%	0.3%	0.5%	0.5%	0.5%
2001	0.5%	0.6%	0.8%	0.8%	0.8%
2002	0.6%	0.8%	1.0%	1.0%	1.0%
2003	0.7%	1.0%	1.1%	1.2%	1.2%
2004	0.9%	1.1%	1.1%	1.3%	1.3%
2005	0.9%	1.2%	1.0%	1.2%	1.3%
2006	1.0%	1.2%	1.0%	1.1%	1.3%
2007	1.0%	1.2%	0.9%	1.0%	1.2%
2008	1.0%	1.1%	0.9%	1.1%	1.2%
2009	1.1%	1.2%	1.0%	1.1%	1.3%
2010	1.1%	1.3%	1.0%	1.1%	1.2%

Source: The Annie E. Casey Foundation, KIDS COUNT Data Center

\* MICHild, a health care program administered by the Department of Community Health, assists low income uninsured children of Michigan's working families



## Children Insured with MICHild\* (1999-2010)

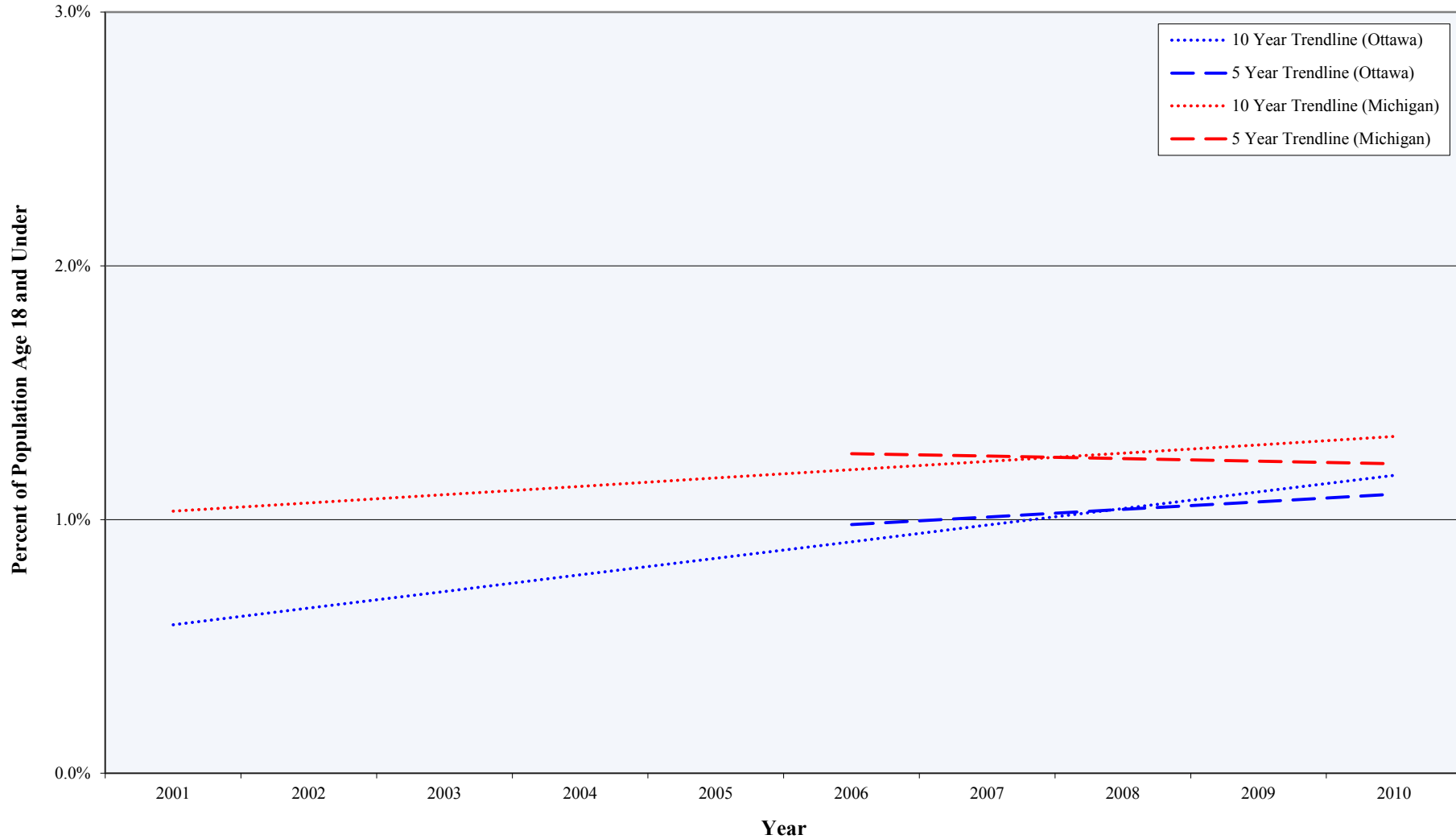


Source: The Annie E. Casey Foundation, KIDS COUNT Data Center

\* MICHild, a health care program administered by the Department of Community Health, assists low income uninsured children of Michigan's working families

# Children Insured with MICHild\*

## 5 and 10 Year Trends



Source: The Annie E. Casey Foundation, KIDS COUNT Data Center

\* MICHild, a health care program administered by the Department of Community Health, assists low income uninsured children of Michigan's working families

# Hospitals (2012)

(Ottawa County)

Name & Location	Total Staffed Beds	Total Revenue	Net Income
<b>Holland Hospital</b>			
602 Michigan Avenue Holland, MI 49423 (616) 392-5141	186	\$425,979,771	\$28,068,265
<b>North Ottawa Community Hospital</b>			
1309 Sheldon Road Grand Haven, MI 49417 (616) 842-3600	81	\$129,898,094	\$2,769,091
<b>Spectrum Health Zeeland Community Hospital</b>			
8333 Felch Street Zeeland, MI 49464 (616) 772-4644	60	\$91,520,508	\$479,683

Source: American Hospital Directory



Source: Ottawa County GIS

# Nursing Homes (2012)

(Ottawa County)

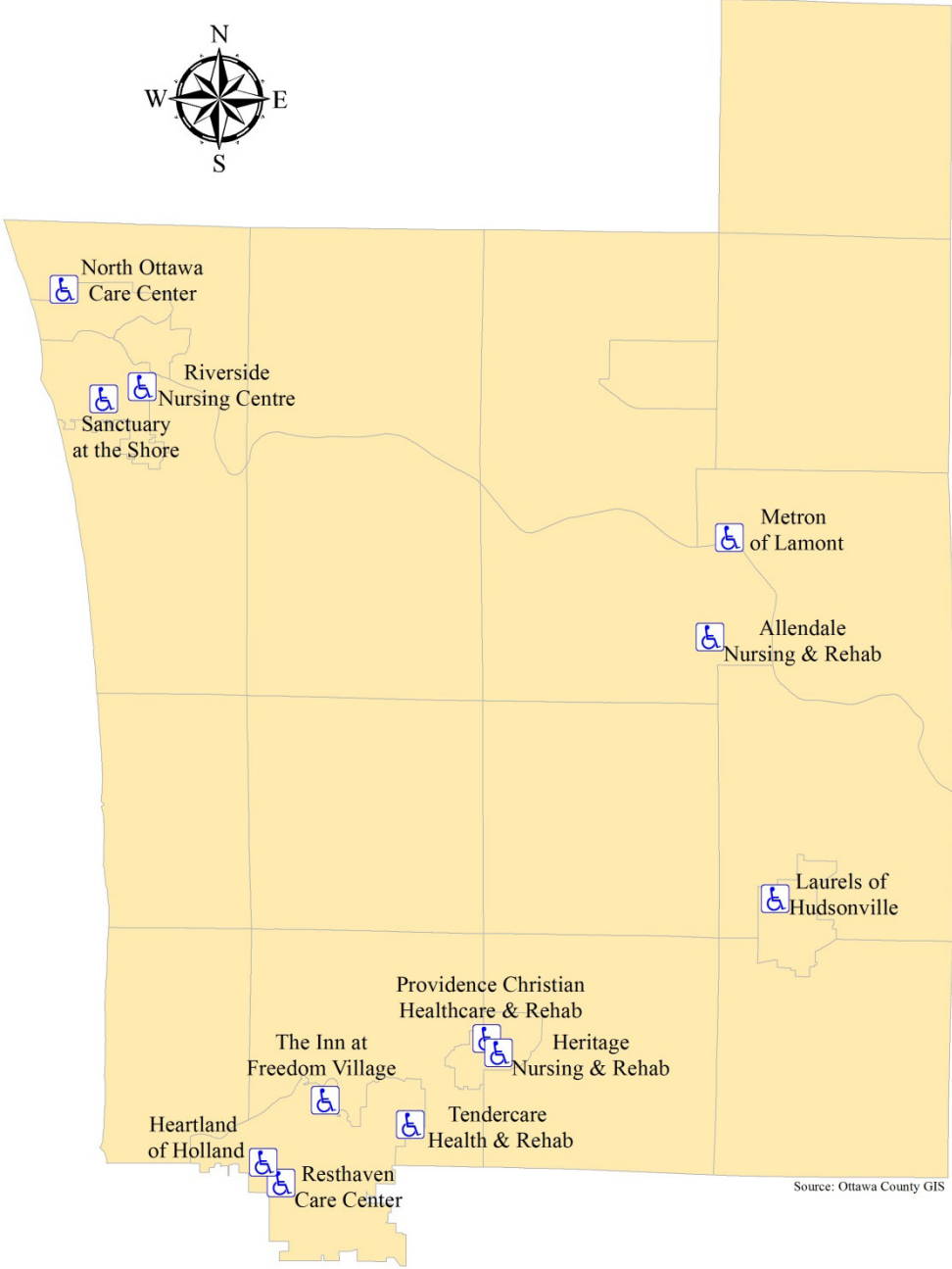
Name & Location	Total Staffed Beds	Overall Rating* (out of 5 stars)
<b>Allendale Nursing &amp; Rehabilitation Community</b>		
11007 Radcliff Dr. Allendale, MI 49401 (616) 895-6688	60	5
<b>Heartland of Holland</b>		
493 W 32nd St Holland, MI 49423 (616) 396-1438	103	3
<b>Heritage Nursing &amp; Rehabilitation Community</b>		
320 E Central Ave Zeeland, MI 49464 (616) 772-9191	45	4
<b>The Inn at Freedom Village</b>		
145 Columbia Ave Holland, MI 49423 (616) 820-7679	39	4
<b>The Laurels of Hudsonville</b>		
3650 Van Buren Hudsonville, MI 49426 (616) 669-1520	113	4
<b>Metron of Lamont</b>		
13030 Commercial St Lamont, MI 49430 (616) 677-1243	66	4

Name & Location	Total Staffed Beds	Overall Rating* (out of 5 stars)
<b>North Ottawa Care Center</b>		
18525 Woodland Ridge Drive Spring Lake, MI 49456 (616) 842-0770	83	4
<b>Providence Christian Healthcare &amp; Rehab Center</b>		
285 N State St Zeeland, MI 49464 (616) 772-4641	153	5
<b>Resthaven Care Center</b>		
280 W 40th St Holland, MI 49423 (616) 796-3600	145	3
<b>Riverside Nursing Centre</b>		
415 Friant Street Grand Haven, MI 49417 (616) 842-4120	34	5
<b>Sanctuary at the Shore</b>		
900 S Beacon Blvd Grand Haven, MI 49417 (616) 846-1850	126	4
<b>Tendercare Health &amp; Rehab Center of Holland</b>		
1221 East 16 <sup>th</sup> Holland, MI 49423 (616) 396-7095	77	2

Source: Centers for Medicare and Medicaid Services (CMS), Nursing Home Compare

\* A rating is issued based on the nursing home's performance with respect to Health Inspections, Staffing, and Quality Measures. Ratings range from 5 stars (much above average quality) to 1 star (much below average quality). The data is self-reported by the nursing homes and frequently changes as residents are discharged, admitted, or their conditions change. As a result, the information should be interpreted with caution.

# Ottawa County Nursing Home Map



Source: Ottawa County GIS

## Physicians (2007, 2008)

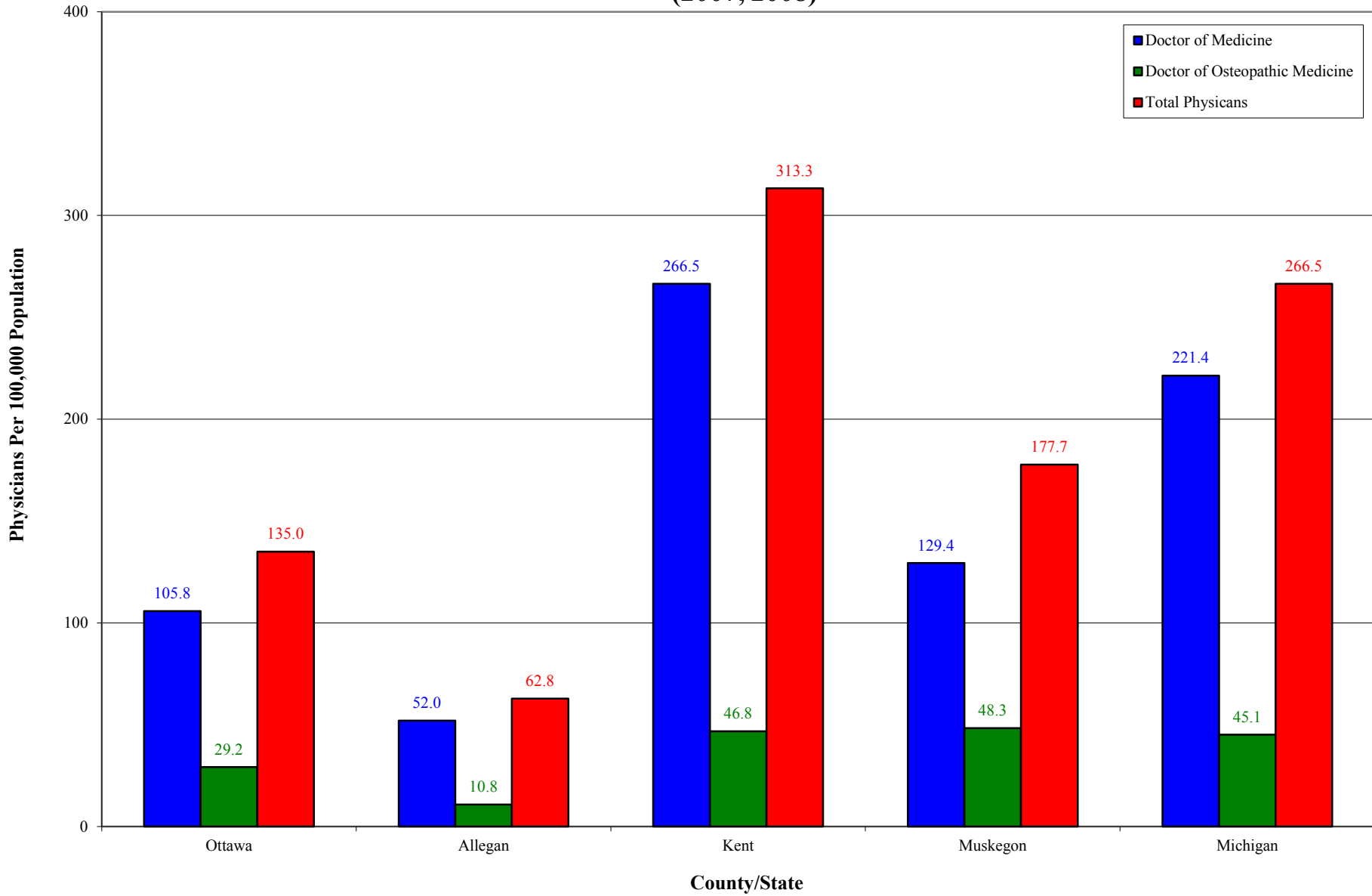
### By Professional Degree (Ottawa County, Adjacent Counties, State)

Professional Degree	Number of Physicians and Rate Per 100,000 Population									
	Ottawa		Allegan		Kent		Muskegon		Michigan	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Doctor of Medicine (M.D.)*	277	105.8	58	52.0	1,597	266.5	225	129.4	22,019	221.4
Doctor of Osteopathic Medicine (D.O.)*	76	29.2	12	10.8	280	46.8	84	48.3	4,507	45.1
<b>Total Physicians</b>	<b>353</b>	<b>135.0</b>	<b>70</b>	<b>62.8</b>	<b>1,877</b>	<b>313.3</b>	<b>309</b>	<b>177.7</b>	<b>26,526</b>	<b>266.5</b>

Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

\* There are two types of physicians who are fully licensed to practice all accepted methods of patient care, including medication and surgery. Doctors of Medicine (M.D.) and Doctors of Osteopathic Medicine (D.O.) each complete 4 years of medical school and can choose to practice in any specialty of medicine. However, D.O.s receive an additional 300 to 500 hours in the study of hands-on manual medicine and the body's musculoskeletal system. D.O.s are dedicated to treating and healing the patient as a whole, rather than focusing on one system or body part. M.D. data are from December 31, 2008 while D.O. data are from May 31, 2007

## Physicians by Professional Degree (2007, 2008)



Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

## Primary Care Physicians (2007, 2008)

(Ottawa County, Adjacent Counties, State)

### Number of Primary Care Physicians\* and Rate Per 100,000 Population

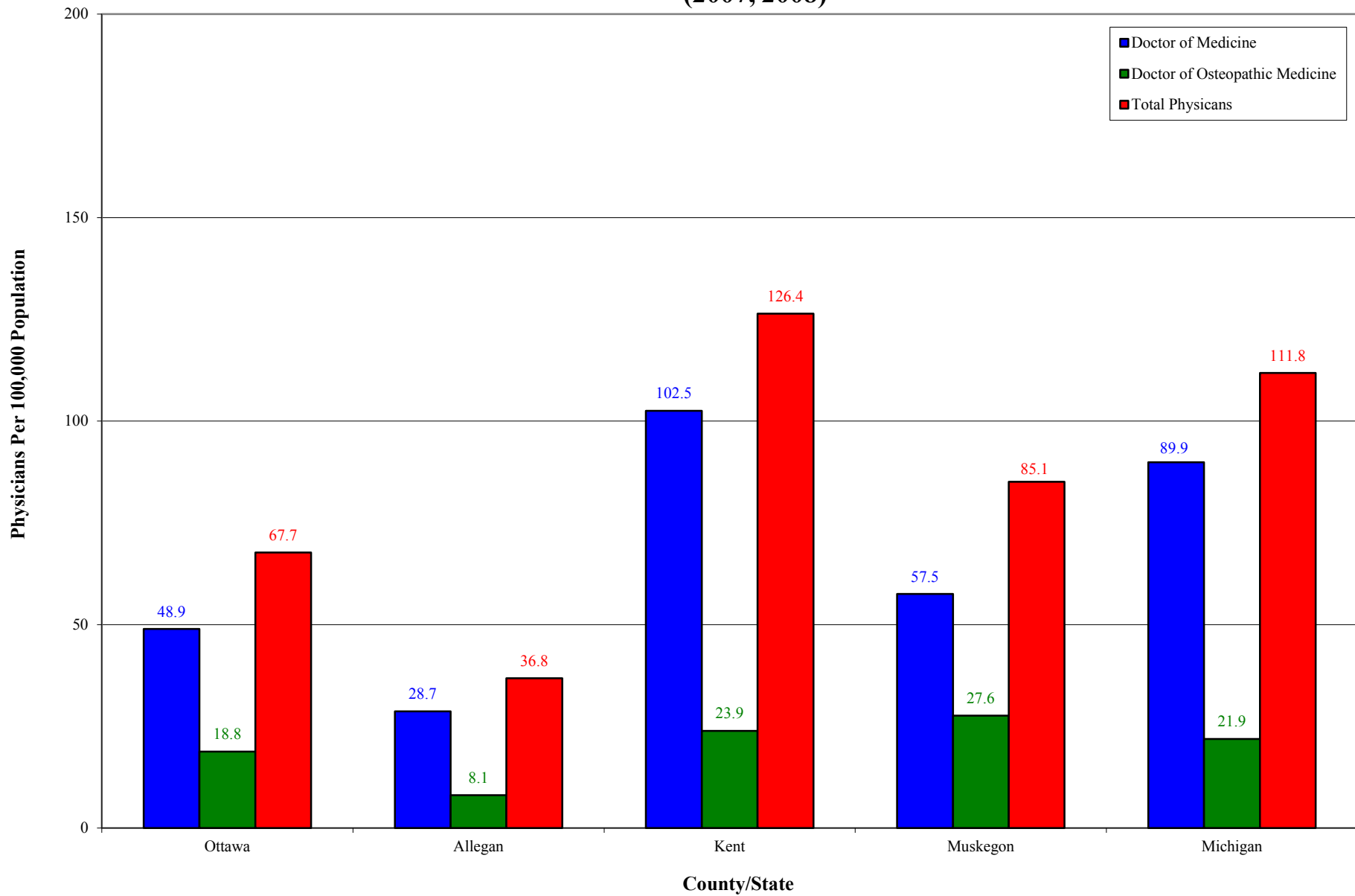
Professional Degree	Ottawa		Allegan		Kent		Muskegon		Michigan	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Doctor of Medicine (M.D.)	128	48.9	32	28.7	614	102.5	100	57.5	8,940	89.9
Doctor of Osteopathic Medicine (D.O.)	49	18.8	9	8.1	143	23.9	48	27.6	2,190	21.9
<b>Total Primary Care Physicians</b>	<b>177</b>	<b>67.7</b>	<b>41</b>	<b>36.8</b>	<b>757</b>	<b>126.4</b>	<b>148</b>	<b>85.1</b>	<b>11,130</b>	<b>111.8</b>

Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

\* Primary Care Physicians help patients maintain overall health by focusing on preventive care. They identify and treat common medical conditions, assess the urgency of medical problems, and make referrals to medical specialists when necessary



## Primary Care Physicians by Professional Degree (2007, 2008)



Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

## Doctors of Medicine (2008)

### By Practice Specialty (Ottawa County, Adjacent Counties, State)

#### Number of Medical Doctors and Rate Per 100,000 Population

Practice Specialty	Ottawa		Allegan		Kent		Muskegon		Michigan	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
General and family practice	54	20.6	18	16.1	194	32.4	50	28.7	2,724	27.4
Internal medicine	34	13.0	11	9.9	262	43.7	43	24.7	4,675	47.0
Pediatrics*	33	40.5	5	15.3	194	109.1	8	16.2	2,148	78.9
Obstetrics and gynecology	24	9.2	1	0.9	110	18.4	8	4.6	1,311	13.2
Ophthalmology (Eye)	9	3.4	0	0.0	32	5.3	5	2.9	546	5.5
Orthopedic surgery	9	3.4	1	0.9	68	11.3	10	5.8	611	6.1
Cardiovascular diseases	2	0.8	1	0.9	28	4.7	7	4.0	591	5.9
Dermatology	2	0.8	0	0.0	16	2.7	5	2.9	304	3.1
Urology	5	1.9	1	0.9	21	3.5	4	2.3	290	2.9
Psychiatry	7	2.7	3	2.7	48	8.0	6	3.5	1,108	11.1
Otolaryngology (Ear, Nose, Throat)	6	2.3	0	0.0	17	2.8	3	1.7	248	2.5
General surgery	14	5.3	3	2.7	110	18.4	10	5.8	1,203	12.1
Neurology (Nervous System)	2	0.8	0	0.0	14	2.3	3	1.7	166	1.7
All other specialties	76	29.0	14	12.5	483	80.6	63	36.2	6,094	61.3
<b>Total Medical Doctors</b>	<b>277</b>	<b>105.8</b>	<b>58</b>	<b>52.0</b>	<b>1,597</b>	<b>266.5</b>	<b>225</b>	<b>129.4</b>	<b>22,019</b>	<b>221.4</b>

Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

\* For the Pediatric practice specialty, the rate is calculated per 100,000 population ages 19 and under

## Doctors of Osteopathic Medicine (2007)

### By Practice Specialty (Ottawa County, Adjacent Counties, State)

Number of Osteopathic Medicine Doctors and Rate Per 100,000 Population

Practice Specialty*	Ottawa		Allegan		Kent		Muskegon		Michigan	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
General and family practice	34	13.1	7	6.3	105	17.6	35	20.1	1,584	15.8
Internal medicine	4	1.5	1	0.9	18	3.0	6	3.5	337	3.4
Pediatrics**	5	6.1	1	3.0	8	4.5	2	4.0	93	3.4
Obstetrics and gynecology	6	2.3	0	0.0	12	2.0	5	2.9	176	1.8
All other specialties	27	10.4	3	2.7	137	22.9	36	20.7	2,317	23.2
<b>Total Osteopathic Doctors</b>	<b>76</b>	<b>29.2</b>	<b>12</b>	<b>10.8</b>	<b>280</b>	<b>46.8</b>	<b>84</b>	<b>48.3</b>	<b>4,507</b>	<b>45.1</b>

Source: Area Resource File 2009-2010, U.S. Department of Health and Human Services, Health Resources and Services Administration, Bureau of Health Professions; U.S. Census Bureau Population Estimates

\* The practice specialties for D.O.s are not categorized in the same manner as M.D.s

\*\* For the Pediatric practice specialty, the rate is calculated per 100,000 population ages 19 and under