



Research Office
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A large, stylized map of the state of Ohio is formed by a grid of small, light gray circles. The circles are arranged in a pattern that roughly follows the outline of the state, with some circles missing to create a dotted effect.

Migration Projections by Age and Sex by County

May, 2013



DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Ohio**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	69	992	-1,333	-805	-4	-57	1,612	973	-72	-1,035	4,271	2,578
5-9	3,705	3,110	110	510	-212	-178	-133	-617	-3,866	-3,245	-352	-1,635
10-14	-8,357	-9,252	1,724	1,423	479	530	-2,085	-1,721	8,719	9,653	-5,526	-4,560
15-19	-24,324	-16,478	-4,004	-4,405	1,394	945	4,841	5,326	25,378	17,192	12,831	14,114
20-24	-14,110	-4,785	-11,128	-7,440	809	274	13,456	8,996	14,722	4,992	35,661	23,842
25-29	1,515	1,132	-5,942	-1,801	-87	-65	7,185	2,178	-1,580	-1,181	19,042	5,772
30-34	-267	-1,163	1,054	634	15	67	-1,274	-766	279	1,213	-3,378	-2,031
35-39	-284	-1,499	-186	-580	16	86	225	701	296	1,564	597	1,858
40-44	1,084	-1,015	-122	-666	-62	58	147	806	-1,131	1,059	390	2,135
45-49	2,176	-306	514	-435	-125	18	-621	527	319	-1,646	1,395	1,395
50-54	1,293	-750	986	-117	-74	43	-1,193	142	-1,349	782	-3,160	376
55-59	-1,154	-2,114	546	-343	66	121	-661	415	1,204	2,205	-1,751	1,100
60-64	-896	-1,235	-571	-967	51	71	690	1,170	935	1,288	1,830	3,100
65-69	107	408	-385	-520	-6	-23	466	629	-111	-426	1,235	1,667
70-74	2,599	2,437	72	221	-149	-140	-87	-267	-2,711	-2,543	-232	-708
75-79	1,681	3,109	1,210	1,125	-96	-178	-1,463	-1,361	-1,753	-3,244	-3,876	-3,607
80-84	-5,126	-2,261	714	1,387	294	130	-864	-1,676	5,348	2,359	-2,289	-4,443
85+	-5,823	-2,718	-4,872	-2,274	334	156	5,890	2,749	6,075	2,835	15,611	7,286
SUBTOTAL	-46,114	-32,385	-21,613	-15,054	2,643	1,856	26,133	18,203	48,113	33,789	69,259	48,241
TOTAL		-78,500		-36,668		4,499		44,336		81,902		117,500

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.02%	0.28%	-0.39%	-0.22%	0.00%	-0.02%	0.47%	0.27%	-0.02%	-0.28%	1.21%	0.70%
5-9	1.01%	0.88%	0.03%	0.14%	-0.06%	-0.05%	-0.04%	-0.17%	-1.12%	-0.91%	-0.10%	-0.45%
10-14	-2.19%	-2.54%	0.47%	0.40%	0.14%	0.15%	-0.61%	-0.48%	2.54%	2.71%	-1.62%	-1.28%
15-19	-6.18%	-4.37%	-1.08%	-1.24%	0.38%	0.27%	1.43%	1.49%	7.52%	4.73%	3.67%	3.84%
20-24	-3.65%	-1.30%	-3.03%	-2.07%	0.22%	0.08%	3.64%	2.52%	4.30%	1.37%	9.89%	6.42%
25-29	0.44%	0.32%	-1.61%	-0.50%	-0.02%	-0.02%	1.97%	0.62%	-0.42%	-0.34%	5.37%	1.58%
30-34	-0.08%	-0.33%	0.31%	0.18%	0.00%	0.02%	-0.36%	-0.22%	0.08%	0.35%	-0.90%	-0.56%
35-39	-0.09%	-0.44%	-0.06%	-0.16%	0.00%	0.02%	0.06%	0.20%	0.09%	0.44%	0.16%	0.53%
40-44	0.32%	-0.28%	-0.04%	-0.20%	-0.02%	0.02%	0.04%	0.23%	-0.32%	0.30%	0.11%	0.62%
45-49	0.60%	-0.08%	0.15%	-0.12%	-0.04%	0.01%	-0.19%	0.15%	-0.69%	0.09%	-0.48%	0.40%
50-54	0.33%	-0.18%	0.28%	-0.03%	-0.02%	0.01%	-0.39%	0.04%	-0.43%	0.24%	-1.00%	0.11%
55-59	-0.28%	-0.48%	0.14%	-0.08%	0.02%	0.03%	-0.21%	0.12%	0.41%	0.66%	-0.58%	0.33%
60-64	-0.26%	-0.32%	-0.15%	-0.23%	0.01%	0.02%	0.22%	0.34%	0.32%	0.37%	0.67%	1.01%
65-69	0.04%	0.13%	-0.12%	-0.15%	0.00%	-0.01%	0.15%	0.17%	-0.04%	-0.12%	0.48%	0.56%
70-74	1.43%	1.10%	0.03%	0.08%	-0.06%	-0.05%	-0.03%	-0.08%	-1.02%	-0.75%	-0.10%	-0.25%
75-79	1.35%	1.90%	0.86%	0.61%	-0.05%	-0.08%	-0.74%	-0.54%	-0.82%	-1.28%	-1.94%	-1.38%
80-84	-6.05%	-1.86%	0.82%	1.12%	0.30%	0.09%	-0.71%	-0.99%	3.98%	1.41%	-1.57%	-2.19%
85+	-6.44%	-1.91%	-5.14%	-1.66%	0.33%	0.11%	5.08%	1.89%	4.33%	1.91%	9.45%	3.83%
SUBTOTAL	-0.84%	-0.56%	-0.39%	-0.26%	0.05%	0.03%	0.48%	0.31%	0.89%	0.58%	1.28%	0.83%
TOTAL		-0.69%		-0.32%		0.04%		0.39%		0.73%		1.05%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Adams**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	3	-5	-3	0	4	-7	-4	0	4	-10	-6
5-9	11	9	0	2	13	11	1	3	16	13	1	4
10-14	-24	-27	7	5	-30	-33	9	8	-35	-39	13	11
15-19	-70	-48	-15	-17	-87	-59	-21	-24	-103	-70	-30	-33
20-24	-41	-14	-43	-29	-51	-17	-59	-40	-60	-20	-83	-56
25-29	4	3	-23	-7	5	4	-32	-10	6	5	-45	-13
30-34	-1	-3	4	2	-1	-4	6	3	-1	-5	8	5
35-39	-1	-4	-1	-2	-1	-5	-1	-3	-1	-6	-1	-4
40-44	3	-3	0	-3	4	-4	-1	-4	5	-4	-1	-5
45-49	6	-1	2	-2	8	-1	3	-2	9	-1	4	-3
50-54	4	-2	4	0	5	-3	5	-1	5	-3	7	-1
55-59	-3	-6	2	-1	-4	-8	3	-2	-5	-9	4	-3
60-64	-3	-4	-2	-4	-3	-4	-3	-5	-4	-5	-4	-7
65-69	0	1	-1	-2	0	1	-2	-3	0	2	-3	-4
70-74	7	7	0	1	9	9	0	1	11	10	1	2
75-79	5	9	5	4	6	11	6	6	7	13	9	8
80-84	-15	-7	3	5	-18	-8	4	7	-22	-10	5	10
85+	-17	-8	-19	-9	-21	-10	-26	-12	-25	-12	-36	-17
SUBTOTAL	-133	-93	-83	-58	-165	-116	-115	-80	-196	-138	-162	-113
TOTAL		-226		-141		-282		-196		-333		-275

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.02%	0.30%	-0.54%	-0.31%	0.02%	0.34%	-0.70%	-0.40%	0.03%	0.40%	-1.00%	-0.57%
5-9	1.07%	0.97%	0.05%	0.21%	1.40%	1.11%	0.06%	0.26%	1.56%	1.25%	0.08%	0.36%
10-14	-2.33%	-2.78%	0.66%	0.59%	-3.34%	-3.49%	0.96%	0.75%	-3.57%	-3.85%	1.27%	0.99%
15-19	-7.49%	-4.57%	-1.53%	-1.82%	-8.60%	-6.34%	-2.47%	-2.57%	-10.66%	-7.84%	-3.13%	-3.26%
20-24	-4.16%	-1.43%	-4.99%	-2.89%	-5.14%	-1.88%	-6.47%	-4.56%	-7.16%	-2.44%	-9.72%	-5.88%
25-29	0.59%	0.42%	-2.47%	-0.73%	0.68%	0.42%	-3.44%	-1.08%	0.76%	0.54%	-5.80%	-1.55%
30-34	-0.11%	-0.43%	0.56%	0.32%	-0.11%	-0.44%	0.70%	0.35%	-0.13%	-0.51%	0.94%	0.57%
35-39	-0.11%	-0.52%	-0.10%	-0.29%	-0.14%	-0.70%	-0.11%	-0.33%	-0.15%	-0.69%	-0.16%	-0.50%
40-44	0.34%	-0.32%	-0.06%	-0.32%	0.58%	-0.48%	-0.09%	-0.47%	0.54%	-0.58%	-0.12%	-0.54%
45-49	0.66%	-0.09%	0.22%	-0.19%	1.07%	-0.14%	0.42%	-0.31%	1.36%	-0.18%	0.46%	-0.37%
50-54	0.38%	-0.21%	0.41%	-0.05%	0.54%	-0.31%	0.74%	-0.08%	0.87%	-0.41%	1.12%	-0.12%
55-59	-0.33%	-0.59%	0.23%	-0.13%	-0.48%	-0.86%	0.36%	-0.22%	-0.72%	-1.08%	0.68%	-0.38%
60-64	-0.29%	-0.39%	-0.24%	-0.39%	-0.38%	-0.48%	-0.39%	-0.63%	-0.52%	-0.65%	-0.70%	-1.06%
65-69	0.04%	0.15%	-0.19%	-0.24%	0.05%	0.17%	-0.29%	-0.33%	0.07%	0.20%	-0.46%	-0.55%
70-74	1.38%	1.10%	0.05%	0.12%	1.50%	1.18%	0.06%	0.15%	1.89%	1.30%	0.10%	0.25%
75-79	1.32%	2.16%	1.15%	0.83%	1.36%	2.04%	1.40%	0.99%	1.53%	2.16%	2.08%	1.36%
80-84	-6.42%	-2.19%	1.09%	1.75%	-6.62%	-2.15%	1.25%	1.85%	-6.84%	-2.35%	1.66%	2.22%
85+	-8.65%	-3.05%	-9.15%	-3.27%	-9.10%	-3.47%	-10.67%	-3.83%	-9.00%	-3.79%	-12.82%	-4.47%
SUBTOTAL	-0.96%	-0.65%	-0.61%	-0.40%	-1.22%	-0.80%	-0.86%	-0.55%	-1.48%	-0.94%	-1.25%	-0.78%
TOTAL		-0.80%		-0.50%		-1.00%		-0.70%		-1.20%		-1.00%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
 Expected population is calculated using population of base year times survival rates.
 Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Allen**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-32	-56	-30	-28	-15	-27	-10	-9	3	5	14	13
5-9	-5	-28	-22	-40	-2	-14	-7	-13	0	3	10	18
10-14	25	-123	-3	-19	12	-59	-1	-6	-2	12	1	9
15-19	-276	-315	18	-90	-134	-153	6	-29	26	30	-8	40
20-24	-448	-279	-204	-229	-217	-135	-66	-74	42	26	91	102
25-29	-96	-28	-322	-197	-46	-14	-104	-64	9	3	143	87
30-34	-49	-43	-58	-13	-24	-21	-19	-4	5	4	26	6
35-39	2	-54	-34	-31	1	-26	-11	-10	0	5	15	14
40-44	10	-28	3	-39	5	-14	1	-13	-1	3	-1	17
45-49	22	-22	8	-19	11	-10	2	-6	-2	2	-3	9
50-54	1	-34	16	-15	0	-16	5	-5	0	3	-7	7
55-59	-12	-49	0	-25	-6	-24	0	-8	1	5	0	11
60-64	-33	5	-8	-35	-16	2	-3	-11	3	0	4	16
65-69	18	14	-24	5	9	7	-8	2	-2	-1	11	-2
70-74	7	22	14	10	3	11	5	3	-1	-2	-6	-4
75-79	1	21	4	16	0	10	1	5	0	-2	-2	-7
80-84	-54	-21	0	15	-26	-10	0	5	5	2	0	-7
85+	-58	-23	-79	-32	-28	-11	-26	-10	5	2	35	14
SUBTOTAL	-978	-1,042	-723	-766	-473	-504	-234	-248	92	98	321	341
TOTAL		-2,019		-1,489		-977		-482		190		662

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.02%	-1.70%	-0.98%	-0.87%	-0.51%	-0.85%	-0.33%	-0.29%	0.10%	0.17%	0.46%	0.41%
5-9	-0.15%	-0.87%	-0.72%	-1.24%	-0.08%	-0.43%	-0.24%	-0.41%	0.02%	0.09%	0.34%	0.57%
10-14	0.69%	-3.53%	-0.08%	-0.60%	0.39%	-1.87%	-0.03%	-0.20%	-0.08%	0.36%	0.04%	0.28%
15-19	-7.63%	-8.99%	0.51%	-2.68%	-3.86%	-4.77%	0.19%	-0.93%	0.85%	0.97%	-0.28%	1.28%
20-24	-11.13%	-8.06%	-6.14%	-7.19%	-6.01%	-4.15%	-1.99%	-2.43%	1.38%	0.89%	2.97%	3.17%
25-29	-2.88%	-0.95%	-9.06%	-6.20%	-1.49%	-0.46%	-3.09%	-2.05%	0.28%	0.09%	4.65%	2.83%
30-34	-1.75%	-1.50%	-1.81%	-0.45%	-0.74%	-0.71%	-0.62%	-0.14%	0.14%	0.14%	0.80%	0.20%
35-39	0.06%	-1.81%	-1.25%	-1.11%	0.03%	-0.91%	-0.35%	-0.35%	-0.01%	0.18%	0.47%	0.46%
40-44	0.39%	-0.99%	0.10%	-1.33%	0.19%	-0.49%	0.03%	-0.44%	-0.03%	0.09%	-0.04%	0.60%
45-49	0.76%	-0.73%	0.29%	-0.69%	0.41%	-0.37%	0.09%	-0.23%	-0.07%	0.07%	-0.11%	0.30%
50-54	0.03%	-0.93%	0.56%	-0.53%	0.02%	-0.60%	0.20%	-0.18%	0.00%	0.12%	-0.24%	0.25%
55-59	-0.31%	-1.29%	0.00%	-0.70%	-0.21%	-0.84%	0.00%	-0.30%	0.04%	0.17%	0.00%	0.42%
60-64	-1.03%	0.15%	-0.25%	-0.99%	-0.56%	0.07%	-0.11%	-0.43%	0.14%	-0.02%	0.17%	0.60%
65-69	0.69%	0.49%	-0.86%	0.16%	0.29%	0.21%	-0.31%	0.05%	-0.08%	-0.04%	0.53%	-0.10%
70-74	0.40%	1.10%	0.65%	0.40%	0.14%	0.39%	0.18%	0.11%	-0.03%	-0.07%	-0.34%	-0.21%
75-79	0.05%	1.37%	0.34%	0.95%	0.02%	0.50%	0.08%	0.23%	0.00%	-0.09%	-0.12%	-0.33%
80-84	-6.49%	-1.75%	0.03%	1.26%	-2.91%	-0.78%	0.01%	0.31%	0.41%	0.13%	-0.01%	-0.37%
85+	-6.67%	-1.63%	-8.98%	-2.37%	-3.11%	-0.86%	-2.65%	-0.76%	0.47%	0.16%	2.62%	0.83%
SUBTOTAL	-1.98%	-2.02%	-1.49%	-1.51%	-0.99%	-1.01%	-0.50%	-0.50%	0.20%	0.20%	0.70%	0.70%
TOTAL		-2.00%		-1.50%		-1.00%		-0.50%		0.20%		0.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
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Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Ashland**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-16	-7	-2	8	-19	-8	-3	10	-22	-10	-3	13
5-9	-30	-33	-10	-5	-37	-39	-13	-6	-43	-46	-16	-7
10-14	33	41	-20	-21	40	49	-25	-27	46	57	-30	-32
15-19	219	162	22	28	265	196	28	34	307	227	34	42
20-24	156	123	145	107	188	149	180	133	218	172	218	161
25-29	8	0	100	79	10	0	124	98	11	0	150	119
30-34	-13	-9	3	-2	-16	-11	4	-2	-19	-13	4	-3
35-39	-19	-36	-9	-6	-24	-44	-11	-7	-27	-51	-14	-9
40-44	-13	-4	-13	-24	-16	-5	-16	-30	-18	-6	-19	-36
45-49	-5	-7	-8	-2	-6	-8	-10	-3	-7	-10	-12	-3
50-54	2	-13	-3	-4	2	-15	-4	-6	2	-18	-5	-7
55-59	-8	-19	1	-8	-9	-23	2	-10	-11	-27	2	-13
60-64	-30	-9	-5	-13	-36	-10	-6	-16	-41	-12	-8	-19
65-69	-27	-13	-19	-5	-33	-16	-24	-7	-38	-19	-29	-8
70-74	-6	-17	-18	-9	-7	-21	-22	-11	-9	-24	-26	-13
75-79	0	-24	-4	-11	0	-29	-5	-14	0	-34	-6	-17
80-84	10	-8	0	-16	12	-10	0	-20	14	-11	0	-24
85+	11	-8	14	-10	13	-10	17	-12	15	-11	21	-15
SUBTOTAL	271	118	174	85	328	143	216	105	380	165	262	128
TOTAL		390		258		471		321		545		389

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.10%	-0.45%	-0.15%	0.53%	-1.10%	-0.45%	-0.15%	0.52%	-1.10%	-0.46%	-0.18%	0.61%
5-9	-1.85%	-2.02%	-0.73%	-0.31%	-2.43%	-2.46%	-0.75%	-0.32%	-2.23%	-2.50%	-0.79%	-0.34%
10-14	1.89%	2.39%	-1.23%	-1.36%	2.84%	3.28%	-1.68%	-1.71%	2.72%	3.72%	-1.61%	-1.64%
15-19	11.64%	9.22%	1.26%	1.58%	16.71%	12.59%	1.93%	2.20%	21.28%	14.29%	1.94%	2.22%
20-24	8.70%	7.46%	6.93%	5.58%	10.48%	8.40%	9.76%	7.59%	14.82%	9.14%	12.55%	9.18%
25-29	0.57%	0.01%	5.15%	4.47%	0.43%	0.01%	6.27%	5.12%	0.55%	0.01%	8.95%	6.80%
30-34	-0.89%	-0.62%	0.21%	-0.13%	-0.80%	-0.60%	0.16%	-0.11%	-0.90%	-0.63%	0.22%	-0.14%
35-39	-1.37%	-2.56%	-0.60%	-0.41%	-1.70%	-3.28%	-0.56%	-0.41%	-1.23%	-2.81%	-0.66%	-0.46%
40-44	-0.88%	-0.29%	-0.92%	-1.74%	-1.07%	-0.37%	-1.18%	-2.31%	-0.92%	-0.48%	-0.89%	-1.87%
45-49	-0.32%	-0.41%	-0.58%	-0.15%	-0.46%	-0.61%	-0.72%	-0.20%	-0.54%	-0.67%	-0.65%	-0.20%
50-54	0.10%	-0.70%	-0.21%	-0.27%	0.16%	-1.03%	-0.30%	-0.42%	0.18%	-1.35%	-0.38%	-0.55%
55-59	-0.41%	-0.98%	0.08%	-0.47%	-0.62%	-1.47%	0.12%	-0.72%	-0.85%	-1.90%	0.14%	-0.93%
60-64	-1.75%	-0.48%	-0.29%	-0.67%	-2.29%	-0.61%	-0.46%	-1.03%	-3.32%	-0.79%	-0.66%	-1.57%
65-69	-2.00%	-0.89%	-1.30%	-0.32%	-2.10%	-0.90%	-1.76%	-0.41%	-3.08%	-1.17%	-2.71%	-0.62%
70-74	-0.63%	-1.53%	-1.59%	-0.66%	-0.61%	-1.41%	-1.71%	-0.69%	-0.77%	-1.54%	-2.66%	-1.05%
75-79	0.02%	-2.84%	-0.47%	-1.21%	0.02%	-2.65%	-0.48%	-1.14%	0.02%	-2.79%	-0.63%	-1.45%
80-84	2.39%	-1.39%	0.04%	-2.54%	2.42%	-1.41%	0.04%	-2.43%	2.25%	-1.43%	0.04%	-2.47%
85+	2.54%	-1.11%	3.01%	-1.46%	2.59%	-1.38%	3.13%	-1.69%	2.56%	-1.53%	3.15%	-1.64%
SUBTOTAL	1.08%	0.45%	0.69%	0.32%	1.29%	0.53%	0.83%	0.38%	1.43%	0.59%	0.97%	0.45%
TOTAL		0.76%		0.50%		0.90%		0.60%		1.00%		0.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Ashtabula**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	41	45	34	-2	35	38	28	-2	28	30	23	-2
5-9	42	6	47	50	35	5	40	42	28	4	33	35
10-14	-83	-124	47	8	-69	-104	40	7	-56	-84	33	6
15-19	-525	-407	-92	-139	-439	-341	-78	-117	-354	-275	-64	-97
20-24	-377	-328	-588	-458	-315	-275	-498	-388	-254	-222	-412	-320
25-29	19	26	-432	-376	16	22	-366	-318	13	17	-302	-263
30-34	57	13	13	22	48	11	11	18	38	9	9	15
35-39	20	-13	64	15	17	-11	54	13	14	-9	45	11
40-44	16	-18	24	-14	13	-15	20	-12	11	-12	17	-10
45-49	46	-18	18	-20	38	-15	16	-17	31	-12	13	-14
50-54	24	-3	51	-21	20	-2	43	-18	16	-2	36	-15
55-59	41	15	28	-3	34	12	24	-3	28	10	20	-2
60-64	58	13	46	17	48	11	39	14	39	9	32	12
65-69	14	-1	66	15	12	-1	55	13	9	-1	46	10
70-74	28	26	17	-1	24	22	14	-1	19	18	12	-1
75-79	10	-2	32	29	8	-2	27	25	7	-1	22	20
80-84	-63	-8	12	-2	-52	-7	10	-2	-42	-5	8	-1
85+	-60	-8	-139	-18	-50	-6	-118	-15	-40	-5	-97	-12
SUBTOTAL	-690	-786	-753	-898	-578	-658	-637	-761	-466	-531	-527	-629
TOTAL		-1,476		-1,651		-1,236		-1,398		-997		-1,155

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.39%	1.44%	1.08%	-0.07%	1.15%	1.20%	0.93%	-0.06%	0.95%	0.99%	0.76%	-0.05%
5-9	1.27%	0.21%	1.55%	1.59%	1.11%	0.16%	1.31%	1.34%	0.91%	0.13%	1.11%	1.14%
10-14	-2.55%	-3.92%	1.43%	0.27%	-2.27%	-3.25%	1.26%	0.21%	-1.82%	-2.57%	1.07%	0.18%
15-19	-15.18%	-12.05%	-2.90%	-4.57%	-13.13%	-11.19%	-2.61%	-3.80%	-11.06%	-9.26%	-2.14%	-3.11%
20-24	-10.84%	-9.81%	-20.17%	-15.46%	-10.33%	-9.51%	-17.23%	-14.38%	-8.84%	-9.60%	-14.52%	-10.78%
25-29	0.75%	0.99%	-14.07%	-12.49%	0.70%	0.86%	-13.48%	-12.21%	0.55%	0.76%	-11.61%	-9.63%
30-34	2.26%	0.52%	0.52%	0.83%	1.82%	0.42%	0.49%	0.73%	1.65%	0.35%	0.40%	0.66%
35-39	0.80%	-0.50%	2.52%	0.59%	0.67%	-0.42%	2.06%	0.49%	0.60%	-0.34%	1.92%	0.47%
40-44	0.55%	-0.59%	0.95%	-0.55%	0.52%	-0.58%	0.80%	-0.47%	0.41%	-0.47%	0.74%	-0.41%
45-49	1.43%	-0.56%	0.64%	-0.68%	1.54%	-0.60%	0.62%	-0.68%	1.24%	-0.50%	0.50%	-0.55%
50-54	0.66%	-0.07%	1.63%	-0.65%	0.72%	-0.08%	1.78%	-0.71%	0.66%	-0.07%	1.48%	-0.59%
55-59	1.09%	0.39%	0.79%	-0.09%	1.12%	0.40%	0.88%	-0.10%	1.16%	0.36%	0.83%	-0.10%
60-64	1.72%	0.38%	1.32%	0.46%	1.47%	0.32%	1.36%	0.48%	1.55%	0.30%	1.45%	0.50%
65-69	0.52%	-0.04%	2.14%	0.47%	0.37%	-0.03%	1.85%	0.41%	0.36%	-0.02%	2.00%	0.43%
70-74	1.45%	1.24%	0.76%	-0.04%	0.92%	0.79%	0.54%	-0.03%	0.76%	0.61%	0.55%	-0.03%
75-79	0.85%	-0.14%	2.18%	1.68%	0.51%	-0.09%	1.40%	1.09%	0.35%	-0.06%	1.19%	0.92%
80-84	-7.40%	-0.72%	1.43%	-0.17%	-5.01%	-0.52%	0.87%	-0.11%	-3.09%	-0.36%	0.61%	-0.08%
85+	-6.60%	-0.58%	-14.43%	-1.43%	-5.06%	-0.54%	-10.31%	-1.18%	-3.11%	-0.41%	-6.37%	-0.78%
SUBTOTAL	-1.42%	-1.57%	-1.58%	-1.82%	-1.24%	-1.36%	-1.40%	-1.60%	-1.05%	-1.15%	-1.21%	-1.38%
TOTAL		-1.50%		-1.70%		-1.30%		-1.50%		-1.10%		-1.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Athens**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	1	10	-20	-12	0	3	4	2	0	-5	23	14
5-9	39	33	2	8	13	11	0	-1	-19	-16	-2	-9
10-14	-88	-97	26	21	-29	-32	-5	-4	43	47	-29	-24
15-19	-256	-173	-60	-66	-83	-56	11	12	124	84	68	75
20-24	-148	-50	-166	-111	-48	-16	32	21	72	24	190	127
25-29	16	12	-89	-27	5	4	17	5	-8	-6	102	31
30-34	-3	-12	16	9	-1	-4	-3	-2	1	6	-18	-11
35-39	-3	-16	-3	-9	-1	-5	1	2	1	8	3	10
40-44	11	-11	-2	-10	4	-3	0	2	-6	5	2	11
45-49	23	-3	8	-6	7	-1	-1	1	-11	2	-9	7
50-54	14	-8	15	-2	4	-3	-3	0	-7	4	-17	2
55-59	-12	-22	8	-5	-4	-7	-2	1	6	11	-9	6
60-64	-9	-13	-9	-14	-3	-4	2	3	5	6	10	17
65-69	1	4	-6	-8	0	1	1	1	-1	-2	7	9
70-74	27	26	1	3	9	8	0	-1	-13	-12	-1	-4
75-79	18	33	18	17	6	11	-3	-3	-9	-16	-21	-19
80-84	-54	-24	11	21	-17	-8	-2	-4	26	12	-12	-24
85+	-61	-29	-73	-34	-20	-9	14	6	30	14	83	39
SUBTOTAL	-485	-341	-322	-224	-157	-110	61	43	236	166	369	257
TOTAL		-826		-546		-268		104		402		627

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.07%	0.90%	-1.25%	-0.73%	0.02%	0.27%	0.39%	0.22%	-0.05%	-0.63%	3.75%	2.17%
5-9	2.84%	2.53%	0.15%	0.65%	0.81%	0.65%	-0.03%	-0.11%	-1.93%	-1.25%	-0.24%	-1.09%
10-14	-6.05%	-6.92%	1.82%	1.60%	-2.55%	-2.67%	-0.31%	-0.24%	3.53%	2.88%	-3.06%	-2.42%
15-19	-17.95%	-12.24%	-4.41%	-5.02%	-5.83%	-4.19%	1.05%	1.09%	8.00%	7.27%	5.50%	5.74%
20-24	-9.14%	-3.37%	-14.31%	-8.97%	-3.75%	-1.32%	2.38%	1.65%	6.68%	1.88%	11.42%	7.41%
25-29	0.28%	0.23%	-6.02%	-1.87%	0.52%	0.34%	1.37%	0.42%	-0.57%	-0.47%	8.84%	2.62%
30-34	-0.13%	-0.62%	0.27%	0.18%	-0.07%	-0.28%	-0.30%	-0.16%	0.11%	0.53%	-1.35%	-0.84%
35-39	-0.18%	-0.99%	-0.13%	-0.45%	-0.02%	-0.10%	0.04%	0.12%	0.15%	0.55%	0.26%	0.82%
40-44	0.76%	-0.74%	-0.11%	-0.63%	0.18%	-0.18%	0.01%	0.04%	-0.42%	0.10%	0.22%	1.03%
45-49	1.54%	-0.21%	0.51%	-0.46%	0.46%	-0.07%	-0.07%	0.07%	-0.20%	0.08%	-0.67%	0.55%
50-54	0.84%	-0.47%	1.01%	-0.12%	0.31%	-0.19%	-0.18%	0.02%	-0.34%	0.25%	-0.32%	0.04%
55-59	-0.73%	-1.29%	0.53%	-0.32%	-0.28%	-0.49%	-0.11%	0.07%	0.40%	0.81%	-0.51%	0.32%
60-64	-0.61%	-0.78%	-0.56%	-0.89%	-0.21%	-0.28%	0.13%	0.20%	0.36%	0.46%	0.71%	1.18%
65-69	0.09%	0.32%	-0.43%	-0.51%	0.03%	0.09%	0.09%	0.10%	-0.05%	-0.15%	0.59%	0.75%
70-74	3.36%	2.71%	0.10%	0.28%	0.80%	0.63%	-0.02%	-0.05%	-1.28%	-0.96%	-0.13%	-0.34%
75-79	3.28%	4.78%	2.78%	2.15%	0.70%	1.12%	-0.40%	-0.30%	-1.02%	-1.49%	-2.63%	-1.96%
80-84	-16.69%	-5.03%	2.83%	3.90%	-3.89%	-1.31%	-0.36%	-0.56%	4.53%	1.65%	-2.16%	-3.12%
85+	-18.57%	-6.18%	-22.80%	-8.20%	-5.30%	-2.13%	2.97%	1.37%	4.87%	2.90%	11.28%	6.07%
SUBTOTAL	-1.75%	-1.24%	-1.18%	-0.82%	-0.59%	-0.41%	0.24%	0.16%	0.95%	0.65%	1.55%	1.05%
TOTAL		-1.50%		-1.00%		-0.50%		0.20%		0.80%		1.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Auglaize**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	34	32	21	-8	37	35	17	-7	10	9	-9	3
5-9	38	18	42	38	42	20	34	32	11	5	-17	-16
10-14	-46	-44	47	23	-50	-48	39	19	-13	-13	-19	-9
15-19	-245	-213	-54	-52	-268	-233	-44	-42	-72	-62	22	21
20-24	-148	-158	-296	-257	-162	-173	-243	-211	-43	-46	120	104
25-29	24	48	-185	-196	27	53	-151	-161	7	14	75	79
30-34	39	12	25	53	43	13	20	44	11	4	-10	-22
35-39	2	-7	48	16	2	-8	39	13	1	-2	-19	-6
40-44	3	-1	4	-8	3	-1	3	-7	1	0	-1	3
45-49	3	-7	4	-1	3	-8	3	-1	1	-2	-1	0
50-54	7	-7	4	-9	7	-8	3	-7	2	-2	-2	4
55-59	-12	3	8	-9	-13	4	7	-7	-3	1	-3	4
60-64	5	1	-14	4	5	1	-11	3	1	0	6	-2
65-69	24	19	6	2	26	20	5	1	7	5	-2	-1
70-74	20	20	29	22	22	22	23	18	6	6	-12	-9
75-79	16	29	25	25	17	32	20	20	5	8	-10	-10
80-84	-7	22	20	35	-7	24	16	29	-2	6	-8	-14
85+	-6	22	-16	55	-7	24	-13	45	-2	6	6	-22
SUBTOTAL	-248	-210	-284	-267	-271	-229	-233	-219	-72	-61	115	108
TOTAL		-458		-551		-501		-452		-134		223

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.33%	2.10%	1.36%	-0.50%	2.51%	2.26%	1.11%	-0.41%	0.66%	0.59%	-0.51%	0.19%
5-9	2.40%	1.23%	2.77%	2.46%	2.68%	1.25%	2.23%	1.98%	0.71%	0.33%	-1.10%	-0.98%
10-14	-2.85%	-2.82%	2.88%	1.52%	-3.24%	-2.97%	2.40%	1.16%	-0.85%	-0.78%	-1.20%	-0.57%
15-19	-14.25%	-13.37%	-3.48%	-3.46%	-16.08%	-15.26%	-2.98%	-2.74%	-4.38%	-4.12%	1.41%	1.31%
20-24	-8.68%	-10.27%	-20.18%	-18.65%	-10.87%	-11.98%	-17.46%	-16.33%	-3.01%	-4.27%	7.71%	6.62%
25-29	2.17%	4.30%	-11.92%	-14.25%	2.28%	4.73%	-11.49%	-12.72%	0.62%	1.28%	5.40%	5.45%
30-34	3.10%	0.96%	2.19%	4.57%	3.16%	1.12%	1.72%	3.76%	0.99%	0.29%	-0.88%	-1.99%
35-39	0.17%	-0.59%	3.69%	1.25%	0.20%	-0.66%	2.82%	1.09%	0.05%	-0.18%	-1.66%	-0.58%
40-44	0.20%	-0.06%	0.30%	-0.69%	0.23%	-0.07%	0.27%	-0.58%	0.06%	-0.02%	-0.13%	0.29%
45-49	0.21%	-0.49%	0.25%	-0.08%	0.27%	-0.67%	0.22%	-0.07%	0.08%	-0.17%	-0.10%	0.04%
50-54	0.41%	-0.41%	0.26%	-0.60%	0.54%	-0.59%	0.26%	-0.62%	0.15%	-0.17%	-0.14%	0.31%
55-59	-0.66%	0.20%	0.51%	-0.53%	-0.92%	0.25%	0.51%	-0.56%	-0.29%	0.08%	-0.27%	0.29%
60-64	0.31%	0.08%	-0.82%	0.23%	0.35%	0.09%	-0.87%	0.22%	0.11%	0.03%	0.50%	-0.14%
65-69	2.17%	1.51%	0.40%	0.11%	1.75%	1.33%	0.33%	0.09%	0.60%	0.36%	-0.20%	-0.06%
70-74	2.52%	2.27%	2.98%	2.00%	1.78%	1.68%	1.81%	1.33%	0.48%	0.42%	-1.16%	-0.77%
75-79	2.94%	4.12%	4.00%	3.23%	2.31%	3.28%	2.13%	1.80%	0.46%	0.73%	-1.08%	-0.89%
80-84	-1.98%	4.12%	5.35%	6.22%	-1.77%	3.94%	3.18%	3.75%	-0.31%	0.81%	-1.20%	-1.54%
85+	-1.55%	4.16%	-4.05%	11.60%	-1.69%	4.93%	-3.01%	9.19%	-0.37%	1.19%	1.06%	-3.51%
SUBTOTAL	-1.09%	-0.91%	-1.25%	-1.16%	-1.20%	-1.00%	-1.04%	-0.96%	-0.33%	-0.27%	0.52%	0.48%
TOTAL		-1.00%		-1.20%		-1.10%		-1.00%		-0.30%		0.50%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Belmont**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS	
	MALE	FEMALE										
0-4	14	9	-1	-4	11	8	-1	-3	8	6	3	9
5-9	11	18	-13	-9	9	15	-11	-7	7	11	31	21
10-14	4	0	-11	-18	3	0	-9	-14	2	0	25	41
15-19	-55	-41	-3	0	-45	-33	-3	0	-33	-25	8	-1
20-24	-44	-35	55	40	-36	-29	45	33	-27	-21	-126	-93
25-29	18	9	41	33	14	7	34	27	11	5	-95	-76
30-34	28	14	-19	-10	23	12	-16	-8	17	8	44	24
35-39	17	12	-27	-13	14	9	-22	-11	10	7	62	31
40-44	21	16	-15	-11	17	13	-12	-9	12	10	35	25
45-49	26	6	-20	-15	22	5	-16	-13	16	4	46	36
50-54	21	11	-25	-5	17	9	-21	-4	12	6	58	12
55-59	14	11	-19	-10	12	9	-16	-8	8	7	45	24
60-64	14	9	-13	-10	11	7	-11	-8	8	5	30	24
65-69	9	9	-13	-8	7	7	-11	-7	5	5	30	19
70-74	14	8	-8	-8	11	7	-7	-7	8	5	19	19
75-79	9	5	-13	-7	7	4	-11	-6	5	3	31	17
80-84	-13	-11	-8	-5	-10	-9	-7	-4	-8	-7	19	11
85+	-14	-12	25	22	-11	-10	21	18	-8	-7	-58	-51
SUBTOTAL	93	38	-89	-40	76	31	-73	-33	56	23	206	92
TOTAL		131		-129		107		-105		79		298

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE	
	MALE	FEMALE										
0-4	0.79%	0.51%	-0.08%	-0.21%	0.60%	0.39%	-0.06%	-0.17%	0.44%	0.29%	0.16%	0.46%
5-9	0.63%	1.04%	-0.77%	-0.49%	0.52%	0.80%	-0.58%	-0.37%	0.37%	0.56%	1.66%	1.06%
10-14	0.20%	0.02%	-0.59%	-0.99%	0.18%	0.02%	-0.48%	-0.76%	0.12%	0.01%	1.33%	2.09%
15-19	-2.84%	-2.16%	-0.17%	0.02%	-2.53%	-1.91%	-0.16%	0.01%	-1.86%	-1.36%	0.41%	-0.04%
20-24	-2.07%	-1.76%	2.90%	2.17%	-1.90%	-1.65%	2.57%	1.91%	-1.56%	-1.20%	-7.23%	-5.01%
25-29	1.02%	0.52%	1.98%	1.68%	0.75%	0.39%	1.82%	1.57%	0.60%	0.32%	-5.71%	-4.25%
30-34	1.57%	0.77%	-1.10%	-0.59%	1.09%	0.59%	-0.81%	-0.45%	0.90%	0.45%	2.49%	1.36%
35-39	0.97%	0.65%	-1.50%	-0.74%	0.81%	0.55%	-1.04%	-0.56%	0.53%	0.36%	3.30%	1.80%
40-44	1.02%	0.83%	-0.90%	-0.61%	0.99%	0.74%	-0.75%	-0.52%	0.61%	0.57%	1.90%	1.35%
45-49	1.33%	0.29%	-0.99%	-0.80%	1.33%	0.29%	-0.96%	-0.71%	0.98%	0.21%	2.29%	1.86%
50-54	0.89%	0.42%	-1.30%	-0.26%	0.89%	0.47%	-1.29%	-0.26%	0.78%	0.38%	3.70%	0.74%
55-59	0.53%	0.39%	-0.86%	-0.42%	0.63%	0.45%	-0.86%	-0.46%	0.56%	0.36%	2.88%	1.41%
60-64	0.57%	0.33%	-0.53%	-0.39%	0.56%	0.31%	-0.64%	-0.45%	0.50%	0.28%	2.19%	1.54%
65-69	0.43%	0.39%	-0.61%	-0.33%	0.34%	0.28%	-0.59%	-0.31%	0.36%	0.24%	2.05%	1.18%
70-74	1.13%	0.54%	-0.49%	-0.42%	0.66%	0.31%	-0.39%	-0.30%	0.58%	0.22%	1.60%	1.23%
75-79	0.99%	0.38%	-1.48%	-0.62%	0.60%	0.26%	-0.87%	-0.35%	0.42%	0.17%	2.94%	1.12%
80-84	-1.97%	-1.26%	-1.31%	-0.48%	-1.69%	-1.04%	-0.80%	-0.33%	-0.88%	-0.59%	2.16%	0.83%
85+	-2.00%	-0.94%	3.42%	1.82%	-1.47%	-0.81%	2.68%	1.54%	-0.92%	-0.61%	-5.89%	-3.55%
SUBTOTAL	0.29%	0.11%	-0.29%	-0.12%	0.25%	0.10%	-0.24%	-0.10%	0.19%	0.07%	0.72%	0.30%
TOTAL		0.20%		-0.20%		0.17%		-0.17%		0.13%		0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Brown**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	44	35	19	12	40	32	17	10	35	28	14	8
5-9	44	65	34	27	40	59	30	24	35	51	24	20
10-14	-29	-33	33	50	-26	-30	28	43	-23	-26	23	36
15-19	-254	-213	-26	-31	-230	-193	-23	-27	-200	-167	-19	-22
20-24	-190	-125	-203	-169	-172	-113	-176	-147	-150	-98	-145	-121
25-29	77	59	-136	-86	70	54	-118	-75	61	47	-97	-62
30-34	84	37	74	55	76	34	64	48	66	29	53	40
35-39	24	-8	61	25	22	-8	53	22	19	-7	44	18
40-44	59	29	14	-9	54	26	12	-8	46	23	10	-6
45-49	64	30	46	24	58	27	40	21	50	23	33	17
50-54	58	67	47	22	52	60	41	19	45	52	34	16
55-59	85	88	42	52	77	80	37	45	67	69	30	37
60-64	78	68	65	67	71	62	56	58	61	54	47	48
65-69	56	38	57	49	50	34	50	43	44	30	41	35
70-74	49	31	40	26	44	28	35	23	38	24	29	19
75-79	2	16	36	23	2	14	31	20	2	12	26	16
80-84	-5	11	-1	11	-5	10	-1	9	-4	9	-1	8
85+	-6	11	-9	16	-6	10	-7	14	-5	9	-6	11
SUBTOTAL	238	206	195	163	216	186	169	142	187	162	140	117
TOTAL		444		358		402		311		349		257

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.43%	2.60%	1.44%	0.84%	3.05%	2.31%	1.28%	0.75%	2.84%	2.15%	1.14%	0.66%
5-9	3.02%	4.80%	2.56%	1.97%	2.95%	4.15%	2.18%	1.68%	2.62%	3.55%	1.93%	1.49%
10-14	-1.87%	-2.28%	2.17%	3.53%	-1.91%	-2.14%	2.03%	2.94%	-1.64%	-1.73%	1.72%	2.50%
15-19	-16.29%	-12.93%	-1.73%	-2.19%	-15.07%	-13.16%	-1.70%	-1.96%	-14.13%	-12.33%	-1.38%	-1.59%
20-24	-12.28%	-8.03%	-15.59%	-11.82%	-11.71%	-8.13%	-13.62%	-11.55%	-11.47%	-8.77%	-12.01%	-8.99%
25-29	6.67%	5.17%	-10.07%	-6.04%	6.40%	4.28%	-9.13%	-5.86%	5.46%	3.88%	-8.49%	-4.94%
30-34	7.32%	3.00%	6.04%	4.63%	6.32%	2.54%	5.57%	3.70%	5.67%	2.18%	4.56%	3.44%
35-39	1.81%	-0.66%	5.05%	1.99%	1.69%	-0.62%	4.21%	1.62%	1.57%	-0.48%	3.62%	1.50%
40-44	3.98%	2.03%	1.05%	-0.72%	4.25%	2.05%	0.94%	-0.64%	3.57%	1.88%	0.83%	-0.49%
45-49	4.41%	2.04%	3.12%	1.68%	4.44%	2.19%	3.18%	1.62%	3.99%	1.78%	2.56%	1.27%
50-54	3.25%	3.75%	3.22%	1.50%	3.50%	4.22%	3.11%	1.54%	3.56%	4.20%	2.67%	1.31%
55-59	5.16%	5.24%	2.43%	2.91%	5.35%	5.61%	2.50%	3.12%	5.16%	4.65%	2.41%	2.88%
60-64	5.68%	4.72%	4.03%	3.95%	4.24%	3.54%	3.99%	4.04%	4.36%	3.61%	3.68%	3.92%
65-69	4.66%	2.94%	4.45%	3.51%	3.39%	2.11%	3.23%	2.55%	3.36%	1.73%	3.15%	2.59%
70-74	6.18%	3.34%	3.93%	2.31%	4.05%	2.25%	2.77%	1.61%	2.97%	1.69%	2.62%	1.56%
75-79	0.37%	2.42%	5.59%	3.01%	0.24%	1.57%	3.58%	1.96%	0.17%	1.22%	2.52%	1.38%
80-84	-1.56%	2.59%	-0.36%	2.23%	-1.16%	1.75%	-0.23%	1.39%	-0.76%	1.25%	-0.16%	0.93%
85+	-2.18%	3.46%	-2.47%	4.59%	-1.43%	2.73%	-1.65%	3.19%	-0.93%	2.04%	-1.02%	2.02%
SUBTOTAL	1.09%	0.92%	0.88%	0.72%	0.98%	0.82%	0.78%	0.63%	0.88%	0.73%	0.67%	0.53%
TOTAL		1.00%		0.80%		0.90%		0.70%		0.80%		0.60%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Butler**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	279	301	73	22	353	382	86	26	433	468	94	28
5-9	362	371	428	463	459	470	504	545	562	576	552	598
10-14	19	-78	550	563	24	-99	647	663	30	-121	709	727
15-19	-14	355	20	-129	-17	451	24	-152	-21	552	26	-167
20-24	-100	81	-21	550	-127	103	-25	647	-156	126	-28	709
25-29	-48	-256	-154	115	-60	-325	-182	136	-74	-398	-199	149
30-34	311	416	-71	-396	395	527	-83	-466	484	646	-91	-511
35-39	282	261	481	647	358	331	566	762	438	406	620	835
40-44	197	124	426	391	249	158	502	461	305	193	550	505
45-49	149	105	296	185	190	133	348	218	232	163	381	239
50-54	64	95	225	159	82	121	265	187	100	148	291	205
55-59	-3	26	96	144	-4	33	112	170	-5	40	123	186
60-64	-25	2	-6	37	-31	2	-7	44	-38	2	-8	48
65-69	29	56	-38	2	37	71	-44	2	46	87	-49	2
70-74	97	132	46	86	123	167	54	101	151	204	59	111
75-79	25	96	149	201	32	121	175	237	39	149	192	260
80-84	-65	30	36	144	-82	39	42	169	-101	47	46	186
85+	-67	30	-201	89	-86	38	-237	104	-105	46	-259	114
SUBTOTAL	1,493	2,146	2,334	3,274	1,894	2,723	2,747	3,853	2,320	3,336	3,011	4,224
TOTAL		3,639		5,608		4,617		6,600		5,656		7,235

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.39%	2.46%	0.60%	0.17%	2.79%	2.87%	0.65%	0.19%	3.14%	3.24%	0.66%	0.19%
5-9	2.81%	3.03%	3.58%	3.69%	3.73%	3.66%	3.86%	3.99%	4.19%	4.05%	3.89%	4.01%
10-14	0.14%	-0.61%	4.16%	4.47%	0.20%	-0.76%	5.08%	4.98%	0.22%	-0.86%	5.09%	4.99%
15-19	-0.10%	2.78%	0.15%	-1.02%	-0.13%	3.43%	0.19%	-1.18%	-0.16%	4.34%	0.19%	-1.19%
20-24	-0.82%	0.70%	-0.16%	4.19%	-0.97%	0.82%	-0.18%	4.77%	-1.27%	0.89%	-0.21%	4.90%
25-29	-0.38%	-1.94%	-1.27%	1.00%	-0.47%	-2.38%	-1.41%	1.08%	-0.55%	-3.14%	-1.65%	1.16%
30-34	2.87%	3.72%	-0.58%	-3.08%	3.33%	4.54%	-0.65%	-3.52%	3.85%	5.05%	-0.68%	-3.72%
35-39	2.60%	2.32%	4.36%	5.62%	2.98%	2.67%	4.67%	6.31%	3.51%	3.16%	4.81%	6.34%
40-44	1.73%	1.03%	3.89%	3.43%	2.20%	1.31%	4.11%	3.65%	2.44%	1.48%	4.32%	3.89%
45-49	1.25%	0.85%	2.62%	1.54%	1.70%	1.15%	3.07%	1.81%	1.87%	1.33%	3.05%	1.87%
50-54	0.50%	0.70%	1.92%	1.29%	0.73%	1.01%	2.42%	1.62%	0.88%	1.26%	2.37%	1.60%
55-59	-0.02%	0.19%	0.76%	1.08%	-0.03%	0.27%	1.03%	1.44%	-0.04%	0.33%	1.12%	1.57%
60-64	-0.23%	0.01%	-0.05%	0.29%	-0.26%	0.02%	-0.07%	0.38%	-0.37%	0.02%	-0.08%	0.44%
65-69	0.35%	0.61%	-0.40%	0.02%	0.35%	0.59%	-0.42%	0.02%	0.48%	0.73%	-0.53%	0.02%
70-74	1.94%	2.21%	0.66%	1.07%	1.58%	1.83%	0.62%	0.97%	1.75%	1.94%	0.74%	1.18%
75-79	0.73%	2.17%	3.80%	4.05%	0.59%	1.83%	2.88%	3.13%	0.57%	1.90%	2.84%	3.01%
80-84	-2.69%	0.90%	1.49%	4.27%	-2.88%	1.00%	1.11%	3.36%	-2.29%	0.90%	0.97%	2.84%
85+	-3.13%	0.99%	-8.20%	2.91%	-3.30%	1.20%	-8.11%	3.10%	-2.91%	1.33%	-6.03%	2.40%
SUBTOTAL	0.84%	1.15%	1.28%	1.71%	1.01%	1.38%	1.44%	1.90%	1.19%	1.60%	1.51%	1.97%
TOTAL		1.00%		1.50%		1.20%		1.68%		1.40%		1.75%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Carroll**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	25	23	13	-2	11	11	7	-1	-17	-16	-2	0
5-9	19	27	35	32	9	12	17	16	-13	-18	-6	-5
10-14	-11	-15	28	39	-5	-7	14	19	8	10	-5	-7
15-19	-98	-87	-13	-18	-45	-40	-7	-9	67	59	2	3
20-24	-66	-62	-136	-121	-30	-28	-68	-60	45	42	23	20
25-29	19	10	-100	-94	9	5	-50	-47	-13	-7	17	16
30-34	21	20	20	7	10	9	10	4	-15	-14	-3	-1
35-39	4	-2	31	28	2	-1	15	14	-2	2	-5	-5
40-44	23	9	7	-1	10	4	4	-1	-16	-6	-1	0
45-49	5	13	32	12	2	6	16	6	-4	-9	-5	-2
50-54	17	5	10	18	8	2	5	9	-12	-4	-2	-3
55-59	14	-9	25	9	6	-4	12	4	-9	6	-4	-1
60-64	12	13	21	-12	5	6	10	-6	-8	-9	-3	2
65-69	2	1	18	17	1	1	9	8	-2	-1	-3	-3
70-74	-3	-10	5	3	-2	-4	2	1	2	7	-1	0
75-79	-6	0	-4	-13	-3	0	-2	-7	4	0	1	2
80-84	-14	-6	-9	-2	-6	-3	-5	-1	9	4	2	0
85+	-12	-5	-39	-17	-6	-2	-19	-8	8	4	6	3
SUBTOTAL	-49	-75	-59	-112	-23	-34	-29	-56	34	51	10	19
TOTAL		-124		-171		-57		-85		85		28

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.09%	2.79%	1.50%	-0.17%	1.25%	1.13%	0.67%	-0.08%	-1.69%	-1.53%	-0.20%	0.02%
5-9	2.08%	3.56%	4.24%	3.73%	0.96%	1.32%	1.89%	1.66%	-1.29%	-1.87%	-0.59%	-0.52%
10-14	-1.19%	-1.64%	3.07%	5.02%	-0.59%	-0.75%	1.56%	2.07%	0.81%	1.04%	-0.48%	-0.64%
15-19	-10.17%	-8.87%	-1.45%	-2.00%	-4.72%	-4.84%	-0.78%	-0.98%	7.30%	6.71%	0.24%	0.30%
20-24	-6.74%	-6.97%	-15.80%	-13.55%	-3.36%	-3.30%	-7.53%	-7.70%	5.35%	5.91%	2.32%	1.98%
25-29	2.76%	1.49%	-10.98%	-11.36%	1.21%	0.60%	-5.74%	-5.63%	-1.57%	-0.88%	1.89%	1.70%
30-34	3.10%	3.02%	2.77%	1.10%	1.22%	1.26%	1.34%	0.49%	-1.81%	-1.78%	-0.40%	-0.18%
35-39	0.47%	-0.32%	4.36%	4.15%	0.23%	-0.16%	1.90%	1.91%	-0.34%	0.22%	-0.65%	-0.62%
40-44	2.70%	1.05%	0.93%	-0.19%	1.44%	0.60%	0.49%	-0.10%	-1.93%	-0.92%	-0.16%	0.03%
45-49	0.62%	1.49%	3.72%	1.44%	0.32%	0.80%	2.19%	0.89%	-0.52%	-1.23%	-0.68%	-0.29%
50-54	1.53%	0.48%	1.13%	2.16%	0.91%	0.29%	0.64%	1.28%	-1.64%	-0.52%	-0.23%	-0.47%
55-59	1.24%	-0.76%	2.23%	0.79%	0.77%	-0.48%	1.45%	0.51%	-1.30%	0.71%	-0.60%	-0.22%
60-64	1.11%	1.19%	1.95%	-1.05%	0.50%	0.54%	1.31%	-0.71%	-0.99%	-1.07%	-0.51%	0.28%
65-69	0.26%	0.15%	1.79%	1.67%	0.11%	0.06%	0.89%	0.83%	-0.23%	-0.09%	-0.40%	-0.37%
70-74	-0.52%	-1.38%	0.58%	0.38%	-0.18%	-0.49%	0.27%	0.17%	0.28%	0.73%	-0.12%	-0.08%
75-79	-1.48%	-0.10%	-0.86%	-2.27%	-0.48%	-0.03%	-0.33%	-0.88%	0.67%	0.04%	0.11%	0.29%
80-84	-5.56%	-2.07%	-3.15%	-0.43%	-1.81%	-0.67%	-1.10%	-0.16%	2.09%	0.86%	0.34%	0.05%
85+	-4.66%	-1.42%	-13.31%	-4.56%	-1.71%	-0.61%	-4.84%	-1.85%	1.73%	0.81%	1.13%	0.47%
SUBTOTAL	-0.35%	-0.53%	-0.41%	-0.79%	-0.16%	-0.24%	-0.21%	-0.39%	0.24%	0.36%	0.07%	0.13%
TOTAL		-0.44%		-0.60%		-0.20%		-0.30%		0.30%		0.10%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Champaign**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	5	-11	-7	0	6	-15	-9	0	4	-3	-2
5-9	19	16	1	4	22	18	1	6	14	12	0	1
10-14	-42	-46	15	12	-49	-55	20	16	-32	-35	3	3
15-19	-122	-83	-34	-38	-144	-98	-46	-50	-92	-62	-8	-9
20-24	-71	-24	-95	-63	-84	-28	-127	-85	-53	-18	-22	-15
25-29	8	6	-51	-15	9	7	-68	-21	6	4	-12	-4
30-34	-1	-6	9	5	-2	-7	12	7	-1	-4	2	1
35-39	-1	-8	-2	-5	-2	-9	-2	-7	-1	-6	0	-1
40-44	5	-5	-1	-6	6	-6	-1	-8	4	-4	0	-1
45-49	11	-2	4	-4	13	-2	6	-5	8	-1	1	-1
50-54	6	-4	8	-1	8	-4	11	-1	5	-3	2	0
55-59	-6	-11	5	-3	-7	-13	6	-4	-4	-8	1	-1
60-64	-5	-6	-5	-8	-5	-7	-7	-11	-3	-5	-1	-2
65-69	1	2	-3	-4	1	2	-4	-6	0	2	-1	-1
70-74	13	12	1	2	15	14	1	3	10	9	0	0
75-79	8	16	10	10	10	18	14	13	6	12	2	2
80-84	-26	-11	6	12	-30	-13	8	16	-19	-9	1	3
85+	-29	-14	-42	-19	-34	-16	-56	-26	-22	-10	-10	-4
SUBTOTAL	-232	-163	-184	-128	-273	-192	-247	-172	-175	-123	-43	-30
TOTAL		-394		-313		-465		-419		-297		-73

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.03%	0.43%	-0.98%	-0.56%	0.03%	0.47%	-1.29%	-0.74%	0.02%	0.32%	-0.25%	-0.14%
5-9	1.48%	1.24%	0.08%	0.37%	1.91%	1.52%	0.10%	0.46%	1.20%	0.93%	0.02%	0.09%
10-14	-2.92%	-3.55%	1.16%	0.95%	-4.48%	-4.69%	1.68%	1.32%	-2.64%	-2.81%	0.29%	0.23%
15-19	-8.36%	-5.92%	-2.46%	-2.98%	-11.25%	-7.58%	-4.35%	-4.53%	-7.78%	-5.89%	-0.68%	-0.71%
20-24	-4.74%	-1.73%	-7.14%	-4.84%	-6.21%	-2.32%	-11.26%	-7.15%	-5.36%	-1.64%	-2.03%	-1.25%
25-29	0.76%	0.56%	-3.59%	-1.13%	0.73%	0.54%	-5.42%	-1.73%	0.58%	0.37%	-1.26%	-0.34%
30-34	-0.13%	-0.56%	0.90%	0.53%	-0.12%	-0.51%	0.99%	0.58%	-0.09%	-0.35%	0.21%	0.11%
35-39	-0.14%	-0.68%	-0.16%	-0.48%	-0.17%	-0.87%	-0.16%	-0.50%	-0.09%	-0.43%	-0.03%	-0.10%
40-44	0.45%	-0.41%	-0.10%	-0.52%	0.64%	-0.59%	-0.14%	-0.76%	0.31%	-0.39%	-0.02%	-0.11%
45-49	0.78%	-0.11%	0.37%	-0.30%	1.31%	-0.17%	0.60%	-0.50%	0.86%	-0.12%	0.08%	-0.07%
50-54	0.44%	-0.25%	0.62%	-0.07%	0.67%	-0.37%	1.17%	-0.13%	0.51%	-0.27%	0.21%	-0.02%
55-59	-0.40%	-0.73%	0.32%	-0.20%	-0.52%	-0.95%	0.56%	-0.34%	-0.47%	-0.70%	0.12%	-0.07%
60-64	-0.38%	-0.48%	-0.36%	-0.60%	-0.40%	-0.53%	-0.54%	-0.89%	-0.33%	-0.38%	-0.13%	-0.20%
65-69	0.05%	0.17%	-0.31%	-0.37%	0.05%	0.19%	-0.37%	-0.47%	0.04%	0.12%	-0.08%	-0.10%
70-74	1.62%	1.43%	0.07%	0.18%	1.75%	1.36%	0.08%	0.22%	1.00%	0.81%	0.02%	0.04%
75-79	1.78%	2.69%	1.74%	1.43%	1.59%	2.26%	2.12%	1.55%	0.88%	1.40%	0.33%	0.26%
80-84	-8.47%	-3.17%	1.80%	2.85%	-7.17%	-2.83%	1.83%	2.73%	-4.17%	-1.44%	0.28%	0.44%
85+	-10.10%	-3.22%	-12.47%	-4.73%	-8.77%	-3.63%	-11.96%	-5.40%	-4.13%	-2.26%	-1.63%	-0.73%
SUBTOTAL	-1.19%	-0.81%	-0.96%	-0.65%	-1.44%	-0.97%	-1.33%	-0.88%	-0.97%	-0.64%	-0.24%	-0.16%
TOTAL		-1.00%		-0.80%		-1.20%		-1.10%		-0.80%		-0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Clark**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-21	-24	-24	-16	-8	-9	-4	-3	2	3	10	7
5-9	-21	-40	-13	-15	-8	-15	-2	-3	2	4	6	7
10-14	-105	-110	-14	-27	-39	-41	-2	-4	11	12	6	11
15-19	-330	-247	-71	-74	-123	-92	-12	-12	36	27	30	32
20-24	-348	-197	-222	-166	-130	-73	-36	-27	38	22	95	71
25-29	-50	-116	-229	-128	-19	-43	-37	-21	5	13	98	55
30-34	-17	-63	-26	-75	-6	-24	-4	-12	2	7	11	32
35-39	-2	-46	-11	-41	-1	-17	-2	-7	0	5	5	17
40-44	13	-29	-1	-30	5	-11	0	-5	-1	3	1	13
45-49	19	-32	9	-19	7	-12	1	-3	-2	3	-4	8
50-54	18	-20	12	-21	7	-8	2	-3	-2	2	-5	9
55-59	-24	-27	12	-13	-9	-10	2	-2	3	3	-5	6
60-64	-25	-20	-17	-18	-9	-8	-3	-3	3	2	7	8
65-69	-10	18	-17	-13	-4	7	-3	-2	1	-2	7	6
70-74	32	24	-6	13	12	9	-1	2	-3	-3	3	-5
75-79	41	65	22	16	15	24	4	3	-5	-7	-9	-7
80-84	-34	9	27	44	-13	3	4	7	4	-1	-12	-19
85+	-37	7	-48	9	-14	3	-8	1	4	-1	20	-4
SUBTOTAL	-903	-850	-618	-574	-336	-316	-100	-93	99	93	265	246
TOTAL		-1,753		-1,192		-652		-193		192		511

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.51%	-0.55%	-0.58%	-0.37%	-0.18%	-0.20%	-0.09%	-0.06%	0.05%	0.06%	0.23%	0.14%
5-9	-0.47%	-0.96%	-0.33%	-0.36%	-0.19%	-0.34%	-0.05%	-0.06%	0.05%	0.10%	0.13%	0.14%
10-14	-2.33%	-2.55%	-0.31%	-0.65%	-0.96%	-0.97%	-0.05%	-0.10%	0.27%	0.28%	0.14%	0.25%
15-19	-7.03%	-5.50%	-1.62%	-1.76%	-2.78%	-2.25%	-0.29%	-0.29%	0.88%	0.64%	0.72%	0.71%
20-24	-7.43%	-4.43%	-5.12%	-3.91%	-3.02%	-1.78%	-0.84%	-0.67%	0.96%	0.54%	2.30%	1.62%
25-29	-1.27%	-2.90%	-5.32%	-3.02%	-0.45%	-1.06%	-0.90%	-0.51%	0.13%	0.32%	2.47%	1.31%
30-34	-0.48%	-1.58%	-0.68%	-1.93%	-0.16%	-0.58%	-0.11%	-0.30%	0.05%	0.17%	0.27%	0.81%
35-39	-0.07%	-1.22%	-0.30%	-1.03%	-0.02%	-0.45%	-0.04%	-0.16%	0.01%	0.12%	0.12%	0.44%
40-44	0.33%	-0.75%	-0.04%	-0.81%	0.14%	-0.29%	-0.01%	-0.13%	-0.04%	0.09%	0.01%	0.32%
45-49	0.44%	-0.73%	0.23%	-0.49%	0.20%	-0.33%	0.04%	-0.08%	-0.06%	0.09%	-0.10%	0.21%
50-54	0.40%	-0.42%	0.30%	-0.50%	0.19%	-0.20%	0.06%	-0.10%	-0.06%	0.06%	-0.15%	0.25%
55-59	-0.51%	-0.53%	0.27%	-0.28%	-0.23%	-0.25%	0.06%	-0.06%	0.08%	0.08%	-0.17%	0.16%
60-64	-0.59%	-0.43%	-0.39%	-0.37%	-0.23%	-0.17%	-0.07%	-0.08%	0.09%	0.06%	0.24%	0.24%
65-69	-0.26%	0.43%	-0.43%	-0.30%	-0.09%	0.16%	-0.07%	-0.05%	0.03%	-0.05%	0.25%	0.18%
70-74	1.23%	0.81%	-0.20%	0.35%	0.38%	0.24%	-0.03%	0.06%	-0.12%	-0.07%	0.10%	-0.18%
75-79	2.42%	2.89%	1.13%	0.67%	0.68%	0.82%	0.15%	0.09%	-0.20%	-0.24%	-0.43%	-0.24%
80-84	-3.07%	0.54%	2.34%	2.65%	-0.97%	0.19%	0.29%	0.34%	0.24%	-0.04%	-0.77%	-0.88%
85+	-3.27%	0.39%	-4.11%	0.55%	-1.13%	0.16%	-0.58%	0.09%	0.27%	-0.05%	1.25%	-0.20%
SUBTOTAL	-1.38%	-1.23%	-0.96%	-0.84%	-0.53%	-0.47%	-0.16%	-0.14%	0.16%	0.14%	0.43%	0.37%
TOTAL		-1.30%		-0.90%		-0.50%		-0.15%		0.15%		0.40%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Clermont**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	190	128	-17	18	139	94	-6	6	81	54	-4	5
5-9	142	88	117	79	104	64	40	27	60	37	30	21
10-14	-127	-153	88	54	-93	-112	30	19	-54	-65	23	14
15-19	-575	-449	-78	-94	-420	-328	-27	-32	-244	-191	-20	-24
20-24	-244	-159	-354	-277	-178	-116	-122	-95	-104	-68	-92	-72
25-29	345	333	-150	-98	252	244	-52	-34	146	142	-39	-25
30-34	317	262	212	205	231	191	73	71	135	111	55	53
35-39	232	153	195	161	170	112	67	55	99	65	51	42
40-44	129	67	143	94	94	49	49	32	55	28	37	24
45-49	162	134	79	41	119	98	27	14	69	57	21	11
50-54	99	156	100	83	72	114	34	28	42	66	26	22
55-59	61	93	61	96	44	68	21	33	26	40	16	25
60-64	89	88	37	57	65	64	13	20	38	37	10	15
65-69	54	114	55	54	39	84	19	19	23	49	14	14
70-74	88	108	33	70	65	79	11	24	38	46	9	18
75-79	42	97	54	66	31	71	19	23	18	41	14	17
80-84	-46	13	26	59	-33	9	9	20	-19	5	7	15
85+	-46	12	-56	15	-33	9	-19	5	-19	5	-15	4
SUBTOTAL	913	1,085	545	686	667	793	187	236	388	461	142	178
TOTAL		1,998		1,230		1,459		423		849		320

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.94%	1.90%	-0.26%	0.26%	2.05%	1.32%	-0.08%	0.08%	1.13%	0.73%	-0.06%	0.06%
5-9	2.08%	1.31%	1.76%	1.15%	1.57%	0.92%	0.58%	0.38%	0.86%	0.52%	0.42%	0.27%
10-14	-1.68%	-2.24%	1.26%	0.80%	-1.37%	-1.60%	0.45%	0.26%	-0.78%	-0.92%	0.32%	0.19%
15-19	-8.04%	-6.42%	-1.05%	-1.41%	-5.98%	-4.82%	-0.41%	-0.47%	-3.63%	-2.81%	-0.30%	-0.34%
20-24	-3.60%	-2.52%	-5.41%	-4.24%	-2.44%	-1.77%	-1.85%	-1.47%	-1.58%	-1.06%	-1.43%	-1.05%
25-29	6.53%	6.12%	-2.32%	-1.59%	4.10%	3.91%	-0.73%	-0.52%	2.29%	2.22%	-0.61%	-0.38%
30-34	5.50%	4.57%	3.81%	3.56%	3.70%	3.17%	1.15%	1.09%	1.94%	1.71%	0.85%	0.83%
35-39	3.97%	2.51%	3.24%	2.70%	2.96%	1.88%	1.04%	0.90%	1.56%	1.04%	0.72%	0.65%
40-44	2.04%	1.03%	2.38%	1.52%	1.53%	0.80%	0.84%	0.54%	0.85%	0.47%	0.58%	0.38%
45-49	2.32%	1.88%	1.25%	0.64%	1.97%	1.58%	0.44%	0.23%	1.20%	0.94%	0.32%	0.17%
50-54	1.31%	2.00%	1.42%	1.16%	1.16%	1.79%	0.57%	0.46%	0.70%	1.06%	0.46%	0.36%
55-59	0.80%	1.18%	0.83%	1.24%	0.65%	0.97%	0.34%	0.52%	0.44%	0.63%	0.27%	0.43%
60-64	1.43%	1.34%	0.52%	0.75%	0.93%	0.86%	0.20%	0.29%	0.66%	0.55%	0.18%	0.26%
65-69	1.11%	2.15%	0.97%	0.88%	0.61%	1.18%	0.30%	0.27%	0.39%	0.70%	0.28%	0.25%
70-74	2.77%	3.04%	0.81%	1.50%	1.36%	1.47%	0.21%	0.39%	0.72%	0.73%	0.18%	0.34%
75-79	2.18%	3.94%	2.15%	2.21%	0.97%	1.80%	0.50%	0.51%	0.43%	0.91%	0.35%	0.34%
80-84	-3.84%	0.79%	1.90%	3.30%	-1.86%	0.42%	0.40%	0.72%	-0.75%	0.19%	0.23%	0.42%
85+	-4.19%	0.82%	-4.48%	0.98%	-2.25%	0.53%	-1.05%	0.27%	-0.84%	0.27%	-0.53%	0.14%
SUBTOTAL	0.93%	1.07%	0.54%	0.66%	0.65%	0.75%	0.18%	0.22%	0.37%	0.43%	0.14%	0.16%
TOTAL		1.00%		0.60%		0.70%		0.20%		0.40%		0.15%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Clinton**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-5	-17	-13	-11	3	13	-17	-15	2	9	-12	-11
5-9	14	21	-1	-10	-10	-15	-1	-14	-7	-11	-1	-10
10-14	-33	-21	11	18	24	16	14	23	17	11	10	17
15-19	-147	-102	-27	-19	109	75	-35	-25	75	52	-25	-18
20-24	-105	-76	-104	-72	77	56	-137	-95	53	39	-99	-69
25-29	0	-1	-58	-42	0	1	-76	-56	0	0	-55	-40
30-34	12	19	12	8	-9	-14	15	10	-6	-10	11	7
35-39	16	-12	7	13	-12	9	9	17	-8	6	6	12
40-44	1	20	11	-11	0	-15	14	-15	0	-10	10	-11
45-49	27	32	-2	17	-20	-24	-2	23	-14	-17	-2	17
50-54	32	19	20	21	-24	-14	27	27	-16	-10	19	20
55-59	20	29	20	10	-15	-22	26	13	-10	-15	19	10
60-64	20	28	11	20	-15	-20	15	26	-10	-14	10	19
65-69	3	31	13	17	-2	-23	17	22	-1	-16	12	16
70-74	21	18	-1	20	-16	-13	-1	26	-11	-9	-1	19
75-79	18	10	16	9	-13	-7	21	12	-9	-5	15	9
80-84	-11	-11	10	5	8	8	13	7	6	6	10	5
85+	-19	-17	-20	-18	14	13	-27	-24	10	9	-19	-17
SUBTOTAL	-135	-29	-95	-28	100	22	-125	-36	69	15	-90	-26
TOTAL		-164		-123		122		-161		84		-117

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.39%	-1.37%	-1.10%	-0.93%	0.29%	1.03%	-1.42%	-1.20%	0.21%	0.72%	-1.10%	-0.93%
5-9	1.01%	1.62%	-0.08%	-0.85%	-0.89%	-1.28%	-0.11%	-1.12%	-0.61%	-0.88%	-0.08%	-0.82%
10-14	-2.20%	-1.57%	0.76%	1.34%	2.08%	1.31%	1.22%	1.94%	1.46%	0.90%	0.87%	1.38%
15-19	-9.66%	-6.92%	-1.83%	-1.45%	7.82%	5.69%	-2.94%	-2.09%	6.53%	4.34%	-2.17%	-1.52%
20-24	-7.75%	-5.63%	-7.66%	-5.27%	5.46%	4.26%	-9.23%	-6.77%	4.65%	2.97%	-8.18%	-5.43%
25-29	0.04%	-0.07%	-4.65%	-3.35%	-0.03%	0.04%	-5.09%	-4.07%	-0.02%	0.03%	-4.58%	-3.27%
30-34	1.02%	1.55%	1.07%	0.69%	-0.76%	-1.15%	1.24%	0.79%	-0.44%	-0.74%	0.84%	0.57%
35-39	1.38%	-0.96%	0.57%	1.02%	-1.12%	0.77%	0.76%	1.38%	-0.68%	0.49%	0.46%	0.92%
40-44	0.04%	1.59%	0.93%	-0.93%	-0.03%	-1.21%	1.36%	-1.31%	-0.02%	-0.93%	0.86%	-0.83%
45-49	2.05%	2.43%	-0.15%	1.36%	-1.70%	-2.02%	-0.20%	1.89%	-1.30%	-1.34%	-0.15%	1.40%
50-54	2.07%	1.21%	1.56%	1.55%	-2.06%	-1.11%	2.38%	2.39%	-1.48%	-0.84%	1.91%	1.86%
55-59	1.28%	1.75%	1.31%	0.66%	-1.16%	-1.64%	2.41%	1.10%	-0.93%	-1.20%	1.80%	0.84%
60-64	1.52%	2.05%	0.75%	1.23%	-1.05%	-1.38%	1.25%	2.13%	-1.00%	-1.13%	1.04%	1.78%
65-69	0.24%	2.71%	1.06%	1.33%	-0.14%	-1.55%	1.33%	1.65%	-0.12%	-1.17%	1.33%	1.51%
70-74	3.05%	2.21%	-0.07%	1.94%	-1.55%	-1.19%	-0.07%	2.06%	-1.02%	-0.70%	-0.07%	1.94%
75-79	4.03%	1.65%	3.00%	1.40%	-1.98%	-0.84%	2.83%	1.38%	-1.11%	-0.54%	1.94%	0.94%
80-84	-3.70%	-2.60%	3.39%	1.23%	2.27%	1.62%	3.13%	1.14%	1.13%	0.89%	1.83%	0.66%
85+	-6.04%	-3.61%	-5.87%	-3.88%	3.69%	2.60%	-5.89%	-4.39%	1.87%	1.66%	-3.14%	-2.45%
SUBTOTAL	-0.67%	-0.14%	-0.48%	-0.13%	0.51%	0.10%	-0.64%	-0.18%	0.36%	0.07%	-0.48%	-0.13%
TOTAL		-0.40%		-0.30%		0.30%		-0.40%		0.21%		-0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Columbiana**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	15	10	-1	0	6	4	1	0	-30	-21	3	-1
5-9	18	2	20	14	7	1	-15	-10	-35	-5	-45	-31
10-14	-34	-30	24	3	-14	-12	-18	-2	67	60	-53	-7
15-19	-141	-128	-45	-40	-57	-52	33	30	280	254	100	90
20-24	-125	-101	-188	-171	-51	-41	141	128	249	200	421	382
25-29	9	-1	-167	-135	4	0	125	101	-18	1	373	301
30-34	12	5	12	-1	5	2	-9	0	-24	-10	-27	1
35-39	14	-5	16	6	6	-2	-12	-5	-27	9	-36	-14
40-44	7	-10	18	-6	3	-4	-14	5	-14	19	-41	14
45-49	8	-5	9	-13	3	-2	-7	10	-16	11	-21	29
50-54	10	-9	11	-7	4	-4	-8	5	-20	18	-24	16
55-59	5	2	13	-12	2	1	-10	9	-10	-5	-30	27
60-64	6	7	7	3	2	3	-5	-2	-11	-14	-15	-7
65-69	8	5	7	10	3	2	-6	-7	-15	-10	-17	-22
70-74	9	10	10	7	3	4	-8	-5	-17	-20	-23	-15
75-79	5	11	11	14	2	4	-9	-10	-11	-21	-26	-31
80-84	-24	-19	7	14	-10	-8	-5	-11	47	38	-16	-32
85+	-24	-19	-63	-51	-10	-8	47	38	47	38	141	115
SUBTOTAL	-223	-275	-298	-365	-90	-111	222	273	441	544	665	816
TOTAL		-497		-663		-201		495		985		1481

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.53%	0.35%	-0.05%	0.01%	0.20%	0.13%	0.04%	-0.01%	-0.92%	-0.61%	0.10%	-0.02%
5-9	0.59%	0.08%	0.71%	0.47%	0.24%	0.03%	-0.49%	-0.33%	-1.13%	-0.15%	-1.40%	-0.92%
10-14	-1.02%	-0.99%	0.78%	0.11%	-0.48%	-0.41%	-0.59%	-0.07%	2.20%	1.93%	-1.73%	-0.21%
15-19	-3.99%	-3.97%	-1.38%	-1.34%	-1.88%	-1.76%	1.18%	1.02%	9.48%	8.51%	3.25%	2.80%
20-24	-3.57%	-3.02%	-5.56%	-5.53%	-1.59%	-1.38%	4.75%	4.43%	8.74%	6.66%	13.08%	11.37%
25-29	0.32%	-0.02%	-4.96%	-4.15%	0.11%	-0.01%	4.02%	3.45%	-0.57%	0.04%	12.14%	9.48%
30-34	0.45%	0.18%	0.44%	-0.02%	0.16%	0.06%	-0.29%	0.02%	-0.75%	-0.33%	-0.89%	0.05%
35-39	0.47%	-0.17%	0.60%	0.24%	0.20%	-0.07%	-0.39%	-0.16%	-0.87%	0.31%	-1.15%	-0.48%
40-44	0.22%	-0.31%	0.64%	-0.23%	0.10%	-0.15%	-0.51%	0.18%	-0.45%	0.71%	-1.34%	0.50%
45-49	0.25%	-0.16%	0.30%	-0.42%	0.12%	-0.08%	-0.26%	0.37%	-0.62%	0.41%	-0.69%	0.95%
50-54	0.27%	-0.23%	0.34%	-0.22%	0.14%	-0.12%	-0.30%	0.20%	-0.78%	0.65%	-0.96%	0.62%
55-59	0.12%	0.06%	0.38%	-0.31%	0.07%	0.03%	-0.35%	0.30%	-0.38%	-0.16%	-1.24%	1.05%
60-64	0.15%	0.19%	0.18%	0.08%	0.07%	0.08%	-0.18%	-0.08%	-0.42%	-0.47%	-0.62%	-0.29%
65-69	0.27%	0.16%	0.22%	0.27%	0.09%	0.05%	-0.19%	-0.22%	-0.61%	-0.30%	-0.72%	-0.83%
70-74	0.43%	0.44%	0.43%	0.24%	0.12%	0.13%	-0.28%	-0.15%	-0.70%	-0.61%	-1.12%	-0.60%
75-79	0.39%	0.61%	0.73%	0.71%	0.12%	0.19%	-0.40%	-0.40%	-0.51%	-0.85%	-1.36%	-1.30%
80-84	-2.44%	-1.49%	0.74%	1.10%	-0.87%	-0.55%	-0.42%	-0.64%	3.13%	2.30%	-1.10%	-1.64%
85+	-2.47%	-1.27%	-6.01%	-3.53%	-0.87%	-0.55%	3.88%	2.58%	3.30%	2.51%	8.39%	6.09%
SUBTOTAL	-0.44%	-0.52%	-0.59%	-0.70%	-0.18%	-0.22%	0.46%	0.54%	0.92%	1.08%	1.38%	1.61%
TOTAL		-0.48%		-0.65%		-0.20%		0.50%		1.00%		1.50%

Prepared by:
Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Coshocton**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	19	2	22	31	-3	0	7	10	-23	-2	-31	-42
5-9	29	10	39	10	-4	-1	13	3	-36	-12	-54	-14
10-14	-18	-16	60	20	3	2	20	6	21	19	-83	-27
15-19	-130	-104	-17	-23	19	16	-6	-8	157	126	24	32
20-24	-72	-54	-231	-187	11	8	-76	-62	87	65	319	259
25-29	37	48	-177	-135	-6	-7	-59	-45	-45	-58	245	187
30-34	10	20	25	54	-2	-3	8	18	-12	-24	-35	-75
35-39	26	-3	23	47	-4	0	8	16	-32	3	-32	-66
40-44	5	3	51	6	-1	0	17	2	-6	-4	-71	-8
45-49	12	2	20	7	-2	0	7	2	-14	-2	-28	-9
50-54	18	16	25	4	-3	-2	8	1	-22	-19	-34	-6
55-59	11	3	37	29	-2	0	12	10	-13	-3	-51	-40
60-64	15	15	27	11	-2	-2	9	4	-18	-18	-37	-15
65-69	-1	2	32	28	0	0	11	9	2	-3	-44	-39
70-74	20	6	5	10	-3	-1	2	3	-24	-7	-7	-15
75-79	-7	-7	35	13	1	1	12	4	8	9	-49	-17
80-84	-21	-13	-4	-10	3	2	-1	-3	25	16	5	13
85+	-12	-8	-75	-49	2	1	-25	-16	14	9	104	68
SUBTOTAL	-58	-77	-103	-134	9	12	-34	-44	70	93	142	186
TOTAL		-136		-237		20		-78		164		327

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.93%	0.19%	2.18%	2.89%	-0.32%	-0.03%	0.85%	1.13%	-2.75%	-0.27%	-3.74%	-4.96%
5-9	2.54%	0.88%	3.79%	0.97%	-0.43%	-0.14%	1.42%	0.36%	-4.10%	-1.25%	-6.49%	-1.60%
10-14	-1.32%	-1.38%	5.06%	1.72%	0.25%	0.22%	1.94%	0.60%	2.31%	1.73%	-10.00%	-3.01%
15-19	-10.00%	-8.62%	-1.32%	-2.06%	1.56%	1.35%	-0.54%	-0.72%	15.03%	11.92%	2.55%	3.28%
20-24	-5.65%	-4.29%	-19.78%	-16.95%	0.84%	0.73%	-6.06%	-5.30%	8.26%	5.84%	26.63%	21.25%
25-29	3.96%	4.97%	-14.89%	-11.38%	-0.60%	-0.79%	-4.56%	-4.07%	-3.83%	-5.54%	21.72%	16.76%
30-34	0.95%	1.99%	2.63%	5.38%	-0.15%	-0.29%	0.92%	2.01%	-1.01%	-2.66%	-3.14%	-7.28%
35-39	2.75%	-0.27%	2.17%	4.59%	-0.40%	0.04%	0.78%	1.51%	-3.47%	0.32%	-2.71%	-6.44%
40-44	0.46%	0.28%	5.30%	0.57%	-0.07%	-0.04%	1.76%	0.18%	-0.61%	-0.34%	-8.14%	-0.87%
45-49	1.00%	0.13%	1.89%	0.61%	-0.17%	-0.02%	0.63%	0.20%	-1.45%	-0.17%	-2.89%	-0.88%
50-54	1.42%	1.20%	2.19%	0.36%	-0.26%	-0.23%	0.85%	0.14%	-2.11%	-1.98%	-3.72%	-0.55%
55-59	0.77%	0.19%	3.01%	2.21%	-0.14%	-0.04%	1.23%	0.94%	-1.37%	-0.31%	-5.30%	-4.02%
60-64	1.25%	1.21%	2.10%	0.84%	-0.19%	-0.17%	0.87%	0.35%	-1.96%	-1.71%	-4.37%	-1.70%
65-69	-0.13%	0.22%	2.92%	2.47%	0.02%	-0.03%	1.02%	0.80%	0.17%	-0.24%	-5.41%	-4.41%
70-74	2.97%	0.72%	0.60%	1.10%	-0.32%	-0.08%	0.17%	0.32%	-2.75%	-0.64%	-0.90%	-1.69%
75-79	-1.27%	-1.07%	6.91%	1.86%	0.16%	0.14%	1.69%	0.49%	1.13%	1.00%	-7.75%	-2.03%
80-84	-6.01%	-3.13%	-1.01%	-2.01%	0.79%	0.39%	-0.28%	-0.56%	4.95%	2.73%	1.01%	2.02%
85+	-3.63%	-1.69%	-19.58%	-10.96%	0.44%	0.25%	-5.15%	-3.21%	2.67%	1.92%	15.99%	10.69%
SUBTOTAL	-0.32%	-0.42%	-0.58%	-0.74%	0.05%	0.06%	-0.20%	-0.25%	0.43%	0.54%	0.89%	1.11%
TOTAL		-0.37%		-0.66%		0.06%		-0.23%		0.49%		1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".



**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Crawford**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-17	-1	6	-3	-9	-1	3	-1	-3	0	1	0
5-9	-13	-10	-13	-1	-7	-5	-6	0	-2	-2	-1	0
10-14	-23	-51	-10	-7	-13	-28	-5	-3	-4	-9	-1	-1
15-19	-183	-174	-18	-39	-101	-97	-8	-18	-31	-30	-1	-3
20-24	-165	-124	-141	-134	-91	-69	-65	-62	-28	-21	-12	-11
25-29	-6	11	-127	-96	-3	6	-59	-44	-1	2	-11	-8
30-34	-21	-23	-5	8	-11	-13	-2	4	-4	-4	0	1
35-39	-12	-35	-16	-18	-7	-20	-7	-8	-2	-6	-1	-2
40-44	-24	-34	-9	-27	-13	-19	-4	-13	-4	-6	-1	-2
45-49	-11	-30	-18	-26	-6	-17	-9	-12	-2	-5	-2	-2
50-54	-19	-13	-9	-23	-10	-7	-4	-11	-3	-2	-1	-2
55-59	-6	-20	-14	-10	-3	-11	-7	-5	-1	-3	-1	-1
60-64	-2	-9	-4	-16	-1	-5	-2	-7	0	-2	0	-1
65-69	0	0	-2	-7	0	0	-1	-3	0	0	0	-1
70-74	20	9	0	0	11	5	0	0	3	1	0	0
75-79	4	3	15	7	2	2	7	3	1	1	1	1
80-84	-25	-20	3	2	-14	-11	1	1	-4	-3	0	0
85+	-25	-20	-39	-31	-14	-11	-18	-14	-4	-3	-3	-3
SUBTOTAL	-527	-543	-401	-422	-292	-301	-185	-195	-90	-93	-34	-36
TOTAL		-1070		-823		-593		-380		-183		-70

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.49%	-0.11%	0.55%	-0.27%	-0.90%	-0.07%	0.28%	-0.14%	-0.31%	-0.02%	0.06%	-0.03%
5-9	-1.00%	-0.78%	-1.16%	-0.09%	-0.65%	-0.48%	-0.58%	-0.04%	-0.22%	-0.15%	-0.12%	-0.01%
10-14	-1.63%	-3.77%	-0.79%	-0.61%	-1.15%	-2.44%	-0.42%	-0.31%	-0.38%	-0.78%	-0.09%	-0.06%
15-19	-12.18%	-11.67%	-1.29%	-3.02%	-8.04%	-7.87%	-0.75%	-1.61%	-2.89%	-2.66%	-0.15%	-0.32%
20-24	-11.16%	-8.77%	-10.75%	-10.20%	-6.84%	-5.44%	-5.64%	-5.49%	-2.65%	-1.99%	-1.15%	-1.05%
25-29	-0.58%	0.99%	-9.76%	-7.47%	-0.29%	0.50%	-4.75%	-3.72%	-0.10%	0.16%	-1.06%	-0.75%
30-34	-1.95%	-1.98%	-0.49%	0.72%	-0.98%	-1.09%	-0.21%	0.31%	-0.30%	-0.34%	-0.04%	0.06%
35-39	-1.00%	-2.82%	-1.55%	-1.56%	-0.65%	-1.80%	-0.64%	-0.71%	-0.18%	-0.52%	-0.12%	-0.14%
40-44	-1.82%	-2.64%	-0.80%	-2.27%	-1.33%	-1.68%	-0.43%	-1.20%	-0.37%	-0.55%	-0.07%	-0.20%
45-49	-0.82%	-2.19%	-1.46%	-2.11%	-0.54%	-1.43%	-0.89%	-1.11%	-0.19%	-0.48%	-0.15%	-0.20%
50-54	-1.26%	-0.88%	-0.66%	-1.76%	-0.86%	-0.62%	-0.36%	-0.95%	-0.35%	-0.20%	-0.08%	-0.20%
55-59	-0.37%	-1.21%	-1.03%	-0.71%	-0.26%	-0.90%	-0.58%	-0.41%	-0.09%	-0.30%	-0.14%	-0.09%
60-64	-0.14%	-0.61%	-0.31%	-0.99%	-0.08%	-0.37%	-0.18%	-0.61%	-0.03%	-0.13%	-0.04%	-0.13%
65-69	0.00%	0.02%	-0.12%	-0.50%	0.00%	0.01%	-0.06%	-0.25%	0.00%	0.00%	-0.01%	-0.06%
70-74	2.30%	0.85%	0.00%	0.01%	1.05%	0.39%	0.00%	0.01%	0.36%	0.11%	0.00%	0.00%
75-79	0.57%	0.37%	2.27%	0.77%	0.27%	0.18%	0.88%	0.30%	0.08%	0.05%	0.18%	0.06%
80-84	-5.74%	-3.52%	0.62%	0.38%	-2.87%	-1.72%	0.25%	0.16%	-0.75%	-0.48%	0.04%	0.03%
85+	-6.30%	-2.81%	-8.90%	-4.42%	-2.93%	-1.50%	-3.46%	-1.86%	-0.75%	-0.45%	-0.52%	-0.29%
SUBTOTAL	-2.54%	-2.46%	-2.01%	-1.99%	-1.53%	-1.47%	-1.01%	-0.99%	-0.51%	-0.49%	-0.20%	-0.20%
TOTAL		-2.50%		-2.00%		-1.50%		-1.00%		-0.50%		-0.20%

Prepared by:
Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Cuyahoga**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-1,531	-1,339	-653	-526	-958	-838	-246	-197	-136	-119	117	94
5-9	-1,104	-1,058	-1,210	-1,060	-691	-662	-455	-398	-98	-94	216	189
10-14	-2,243	-2,159	-844	-812	-1,404	-1,351	-317	-305	-199	-191	151	145
15-19	-4,095	-2,977	-1,777	-1,711	-2,563	-1,863	-668	-643	-363	-264	317	306
20-24	-1,232	-86	-3,236	-2,336	-771	-54	-1,216	-878	-109	-8	578	417
25-29	523	202	-868	21	327	127	-326	8	46	18	155	-4
30-34	-1,691	-2,024	456	162	-1,058	-1,267	171	61	-150	-179	-81	-29
35-39	-1,812	-1,846	-1,382	-1,640	-1,134	-1,155	-519	-616	-160	-163	247	293
40-44	-1,165	-1,238	-1,408	-1,426	-729	-775	-529	-536	-103	-110	252	255
45-49	-648	-968	-885	-943	-406	-606	-333	-354	-57	-86	158	168
50-54	-447	-859	-488	-745	-280	-538	-184	-280	-40	-76	87	133
55-59	-688	-906	-342	-664	-431	-567	-128	-250	-61	-80	61	119
60-64	-549	-739	-542	-705	-344	-462	-204	-265	-49	-65	97	126
65-69	-412	-493	-422	-569	-258	-308	-158	-214	-36	-44	75	102
70-74	-45	-156	-316	-375	-28	-97	-119	-141	-4	-14	56	67
75-79	-7	-70	-24	-111	-4	-44	-9	-42	-1	-6	4	20
80-84	-886	-882	-5	-52	-555	-552	-2	-20	-78	-78	1	9
85+	-955	-948	-1,430	-1,420	-598	-593	-537	-533	-85	-84	255	254
SUBTOTAL	-18,988	-18,546	-15,377	-14,910	-11,885	-11,608	-5,778	-5,603	-1,681	-1,642	2,747	2,663
TOTAL		-37,533		-30,287		-23,492		-11,381		-3,323		5,410

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-4.23%	-3.53%	-1.85%	-1.42%	-2.81%	-2.35%	-0.76%	-0.58%	-0.44%	-0.37%	0.39%	0.3%
5-9	-2.93%	-2.86%	-3.49%	-2.90%	-1.99%	-1.81%	-1.37%	-1.14%	-0.30%	-0.27%	0.70%	0.6%
10-14	-5.78%	-5.71%	-2.31%	-2.26%	-4.20%	-3.81%	-0.93%	-0.85%	-0.61%	-0.54%	0.47%	0.4%
15-19	-9.69%	-7.33%	-4.87%	-4.80%	-7.21%	-5.32%	-2.09%	-1.89%	-1.08%	-0.79%	0.98%	0.9%
20-24	-2.88%	-0.21%	-8.53%	-6.22%	-2.24%	-0.16%	-3.71%	-2.65%	-0.35%	-0.02%	1.75%	1.2%
25-29	1.49%	0.54%	-2.11%	0.05%	0.95%	0.36%	-0.98%	0.02%	0.15%	0.05%	0.51%	0.0%
30-34	-4.41%	-4.81%	1.29%	0.43%	-2.65%	-3.05%	0.50%	0.17%	-0.46%	-0.51%	-0.26%	-0.1%
35-39	-5.06%	-4.77%	-3.81%	-4.12%	-3.20%	-3.09%	-1.35%	-1.54%	-0.47%	-0.41%	0.76%	0.9%
40-44	-3.29%	-3.19%	-4.22%	-3.90%	-2.13%	-2.05%	-1.57%	-1.49%	-0.28%	-0.31%	0.75%	0.7%
45-49	-1.71%	-2.29%	-2.65%	-2.55%	-1.30%	-1.75%	-1.02%	-0.97%	-0.18%	-0.24%	0.44%	0.4%
50-54	-1.04%	-1.78%	-1.36%	-1.84%	-0.89%	-1.52%	-0.62%	-0.84%	-0.13%	-0.23%	0.28%	0.4%
55-59	-1.51%	-1.77%	-0.84%	-1.44%	-1.27%	-1.47%	-0.43%	-0.74%	-0.22%	-0.24%	0.20%	0.3%
60-64	-1.40%	-1.66%	-1.30%	-1.47%	-0.92%	-1.07%	-0.66%	-0.73%	-0.18%	-0.18%	0.37%	0.4%
65-69	-1.37%	-1.36%	-1.23%	-1.40%	-0.71%	-0.70%	-0.48%	-0.54%	-0.13%	-0.11%	0.31%	0.3%
70-74	-0.23%	-0.61%	-1.29%	-1.19%	-0.10%	-0.28%	-0.40%	-0.37%	-0.01%	-0.04%	0.25%	0.2%
75-79	-0.05%	-0.36%	-0.16%	-0.53%	-0.02%	-0.17%	-0.04%	-0.14%	0.00%	-0.02%	0.02%	0.1%
80-84	-8.73%	-5.58%	-0.05%	-0.36%	-5.45%	-3.55%	-0.01%	-0.10%	-0.53%	-0.41%	0.01%	0.0%
85+	-7.42%	-4.40%	-11.24%	-7.12%	-4.81%	-3.18%	-4.17%	-2.88%	-0.56%	-0.47%	1.42%	1.1%
SUBTOTAL	-3.20%	-2.82%	-2.68%	-2.34%	-2.14%	-1.87%	-1.08%	-0.93%	-0.32%	-0.28%	0.54%	0.5%
TOTAL		-3.00%		-2.50%		-2.00%		-1.00%		-0.30%		0.5%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Darke**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	104	78	66	61	106	79	40	37	50	37	13	12
5-9	73	74	135	103	75	76	82	63	35	36	26	20
10-14	-96	-111	107	104	-98	-113	65	63	-46	-53	21	20
15-19	-510	-422	-102	-122	-520	-430	-62	-74	-245	-202	-20	-24
20-24	-297	-262	-635	-530	-303	-267	-387	-323	-143	-126	-123	-103
25-29	90	110	-446	-389	92	113	-272	-237	43	53	-87	-76
30-34	-2	-3	51	83	-2	-3	31	51	-1	-1	10	16
35-39	22	10	4	7	23	10	3	4	11	5	1	1
40-44	14	19	28	13	14	20	17	8	7	9	5	3
45-49	25	-9	20	25	25	-10	12	15	12	-5	4	5
50-54	0	-19	33	-8	0	-19	20	-5	0	-9	6	-2
55-59	-1	29	5	-24	-1	29	3	-15	-1	14	1	-5
60-64	34	49	-1	32	35	50	0	19	16	24	0	6
65-69	22	27	42	64	23	28	25	39	11	13	8	12
70-74	27	45	33	42	27	46	20	25	13	22	6	8
75-79	17	27	37	61	17	27	23	37	8	13	7	12
80-84	-23	47	26	40	-24	48	16	25	-11	23	5	8
85+	-15	38	-50	126	-15	39	-30	77	-7	18	-10	25
SUBTOTAL	-516	-271	-648	-311	-526	-277	-395	-189	-248	-130	-126	-60
TOTAL		-787		-959		-803		-584		-378		-186

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	6.36%	4.56%	3.87%	3.39%	7.44%	5.33%	2.67%	2.34%	3.38%	2.42%	0.73%	0.64%
5-9	4.09%	4.26%	7.80%	5.76%	4.22%	4.10%	5.40%	3.99%	2.27%	2.18%	1.72%	1.26%
10-14	-5.13%	-6.41%	5.76%	5.74%	-5.25%	-6.01%	3.54%	3.30%	-2.87%	-2.68%	1.32%	1.22%
15-19	-26.87%	-22.11%	-5.82%	-7.51%	-26.66%	-22.51%	-3.57%	-4.19%	-12.93%	-11.96%	-1.29%	-1.50%
20-24	-16.34%	-15.33%	-46.16%	-35.70%	-18.46%	-17.90%	-27.27%	-21.82%	-8.53%	-10.87%	-7.55%	-5.79%
25-29	7.08%	8.37%	-29.52%	-26.99%	12.55%	11.85%	-20.44%	-19.41%	4.24%	5.38%	-5.70%	-4.85%
30-34	-0.14%	-0.23%	3.78%	5.83%	-0.19%	-0.30%	3.81%	4.77%	-0.09%	-0.13%	0.94%	1.34%
35-39	1.51%	0.71%	0.32%	0.55%	1.63%	0.70%	0.26%	0.42%	1.26%	0.47%	0.08%	0.14%
40-44	0.88%	1.29%	1.88%	0.93%	1.03%	1.51%	1.21%	0.54%	0.63%	0.62%	0.64%	0.24%
45-49	1.45%	-0.56%	1.33%	1.69%	1.70%	-0.67%	0.92%	1.18%	0.85%	-0.34%	0.38%	0.48%
50-54	0.01%	-0.97%	1.96%	-0.50%	0.02%	-1.27%	1.37%	-0.35%	0.01%	-0.64%	0.47%	-0.11%
55-59	-0.06%	1.50%	0.25%	-1.28%	-0.07%	1.82%	0.19%	-1.01%	-0.04%	0.96%	0.07%	-0.37%
60-64	2.13%	2.86%	-0.04%	1.70%	1.99%	2.83%	-0.03%	1.24%	1.20%	1.49%	-0.01%	0.46%
65-69	1.61%	1.82%	2.81%	3.88%	1.42%	1.58%	1.57%	2.30%	0.77%	0.75%	0.65%	0.95%
70-74	2.59%	3.78%	2.82%	3.14%	2.18%	3.09%	1.48%	1.63%	0.95%	1.37%	0.55%	0.63%
75-79	2.27%	3.04%	4.38%	5.87%	1.82%	2.38%	2.21%	2.89%	0.75%	0.97%	0.66%	0.92%
80-84	-5.61%	7.87%	5.15%	6.10%	-4.12%	6.03%	2.48%	2.87%	-1.64%	2.58%	0.70%	0.80%
85+	-3.12%	5.10%	-10.83%	17.65%	-3.06%	5.05%	-5.46%	9.31%	-1.15%	2.02%	-1.40%	2.59%
SUBTOTAL	-1.99%	-1.02%	-2.55%	-1.18%	-2.15%	-1.07%	-1.68%	-0.75%	-1.09%	-0.53%	-0.56%	-0.25%
TOTAL		-1.50%		-1.85%		-1.60%		-1.20%		-0.80%		-0.40%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Defiance**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	42	86	3	-9	42	86	2	-6	14	29	0	-1
5-9	13	-3	38	78	13	-3	29	59	4	-1	3	6
10-14	-37	-64	12	-4	-37	-64	9	-3	-13	-22	1	0
15-19	-239	-192	-34	-58	-238	-192	-26	-44	-81	-65	-2	-4
20-24	-198	-190	-216	-174	-198	-189	-165	-133	-67	-64	-16	-13
25-29	-25	-1	-178	-171	-25	-1	-136	-130	-8	0	-13	-13
30-34	-10	6	-21	0	-10	6	-16	0	-3	2	-2	0
35-39	3	0	-9	6	3	0	-7	4	1	0	-1	0
40-44	22	8	2	0	22	8	2	0	7	3	0	0
45-49	-15	1	20	7	-15	1	15	6	-5	0	1	1
50-54	-19	-54	-14	1	-19	-54	-10	1	-6	-18	-1	0
55-59	-40	-37	-17	-49	-40	-37	-13	-37	-13	-13	-1	-4
60-64	-37	-12	-36	-33	-37	-12	-28	-25	-12	-4	-3	-2
65-69	-5	3	-33	-11	-5	3	-25	-8	-2	1	-2	-1
70-74	13	0	-4	3	13	0	-3	2	4	0	0	0
75-79	4	13	12	0	4	13	9	0	1	5	1	0
80-84	-26	-16	4	12	-26	-16	3	9	-9	-5	0	1
85+	-26	-16	-47	-29	-26	-16	-36	-22	-9	-5	-3	-2
SUBTOTAL	-581	-468	-519	-429	-578	-466	-396	-328	-196	-158	-38	-32
TOTAL		-1049		-948		-1045		-725		-353		-70

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.57%	6.93%	0.26%	-0.70%	3.82%	7.40%	0.21%	-0.56%	1.27%	2.46%	0.02%	-0.05%
5-9	1.03%	-0.29%	3.12%	5.87%	1.13%	-0.28%	2.55%	4.78%	0.40%	-0.09%	0.25%	0.47%
10-14	-2.78%	-4.66%	0.90%	-0.30%	-2.94%	-4.56%	0.76%	-0.22%	-1.07%	-1.79%	0.08%	-0.02%
15-19	-16.94%	-14.34%	-2.60%	-4.42%	-18.13%	-16.22%	-2.12%	-3.32%	-6.79%	-5.02%	-0.21%	-0.33%
20-24	-15.02%	-15.49%	-18.63%	-15.14%	-15.81%	-15.11%	-15.51%	-13.42%	-5.66%	-7.48%	-1.45%	-1.12%
25-29	-2.44%	-0.12%	-15.97%	-16.47%	-2.64%	-0.13%	-13.02%	-12.27%	-0.94%	-0.04%	-1.18%	-1.02%
30-34	-0.91%	0.58%	-2.17%	-0.01%	-1.07%	0.75%	-1.81%	-0.01%	-0.37%	0.23%	-0.18%	0.00%
35-39	0.24%	0.04%	-0.83%	0.53%	0.27%	0.04%	-0.75%	0.52%	0.10%	0.02%	-0.07%	0.05%
40-44	1.89%	0.69%	0.22%	0.03%	2.07%	0.74%	0.20%	0.02%	0.83%	0.27%	0.02%	0.00%
45-49	-1.28%	0.07%	1.71%	0.62%	-1.40%	0.07%	1.44%	0.51%	-0.54%	0.02%	0.17%	0.06%
50-54	-1.46%	-3.84%	-1.22%	0.06%	-1.67%	-4.56%	-1.02%	0.05%	-0.62%	-1.66%	-0.11%	0.00%
55-59	-2.75%	-2.47%	-1.38%	-3.68%	-3.72%	-3.33%	-1.21%	-3.38%	-1.38%	-1.18%	-0.13%	-0.34%
60-64	-2.73%	-0.90%	-2.71%	-2.37%	-3.15%	-0.97%	-2.83%	-2.47%	-1.22%	-0.40%	-0.29%	-0.24%
65-69	-0.45%	0.26%	-2.76%	-0.85%	-0.41%	0.21%	-2.45%	-0.71%	-0.19%	0.08%	-0.26%	-0.08%
70-74	1.82%	-0.01%	-0.46%	0.26%	1.30%	-0.01%	-0.32%	0.16%	0.51%	0.00%	-0.04%	0.02%
75-79	0.81%	2.25%	1.98%	-0.02%	0.56%	1.65%	1.09%	-0.01%	0.17%	0.48%	0.12%	0.00%
80-84	-7.86%	-3.67%	0.98%	2.55%	-5.84%	-2.98%	0.52%	1.44%	-1.44%	-0.82%	0.05%	0.11%
85+	-8.81%	-3.02%	-14.37%	-5.45%	-6.95%	-2.88%	-8.24%	-3.69%	-1.64%	-0.95%	-0.54%	-0.27%
SUBTOTAL	-3.03%	-2.38%	-2.77%	-2.21%	-3.18%	-2.44%	-2.26%	-1.75%	-1.15%	-0.86%	-0.23%	-0.17%
TOTAL		-2.70%		-2.48%		-2.80%		-2.00%		-1.00%		-0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Delaware**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS	
	MALE	FEMALE										
0-4	758	700	203	196	835	772	232	224	946	874	259	251
5-9	799	775	775	716	880	854	885	817	997	967	991	915
10-14	302	243	801	778	333	267	915	889	377	303	1,025	995
15-19	-307	-223	289	228	-339	-245	330	261	-383	-278	370	292
20-24	68	246	-324	-236	74	271	-370	-269	84	306	-415	-301
25-29	857	1,022	78	259	944	1,126	90	296	1,069	1,275	100	332
30-34	1,198	1,219	880	1,045	1,321	1,344	1,005	1,194	1,495	1,522	1,125	1,337
35-39	1,010	955	1,210	1,227	1,113	1,052	1,382	1,401	1,260	1,191	1,548	1,570
40-44	669	557	1,007	949	737	614	1,150	1,084	835	695	1,287	1,214
45-49	402	428	661	547	443	472	755	625	502	534	846	700
50-54	296	321	396	426	326	354	452	486	369	401	507	545
55-59	245	279	294	319	270	307	335	365	306	348	376	408
60-64	145	216	244	278	160	238	279	318	181	269	313	356
65-69	130	165	143	214	143	182	163	245	162	206	182	274
70-74	108	141	130	164	119	156	149	187	134	176	166	210
75-79	83	133	107	141	92	146	123	161	104	165	137	180
80-84	15	83	83	133	17	91	95	152	19	103	106	170
85+	14	83	26	163	15	92	30	186	17	104	34	208
SUBTOTAL	6,791	7,342	7,004	7,550	7,484	8,092	7,998	8,622	8,473	9,161	8,958	9,656
TOTAL		14,132		14,553		15,576		16,620		17,634		18,615

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE	
	MALE	FEMALE										
0-4	13.74%	12.09%	3.79%	3.50%	15.03%	13.23%	3.64%	3.36%	13.55%	11.93%	3.50%	3.23%
5-9	12.02%	12.25%	12.36%	11.04%	15.85%	14.71%	13.85%	12.39%	15.13%	13.04%	12.51%	11.18%
10-14	3.78%	3.17%	10.77%	10.96%	4.73%	3.72%	14.23%	13.35%	5.18%	4.01%	13.52%	12.68%
15-19	-4.27%	-3.25%	3.50%	2.90%	-4.13%	-3.12%	4.49%	3.50%	-5.24%	-3.60%	4.85%	3.79%
20-24	1.20%	4.74%	-4.72%	-3.57%	0.87%	3.34%	-4.73%	-3.54%	1.10%	4.18%	-6.01%	-4.16%
25-29	27.56%	31.76%	1.38%	4.80%	14.47%	17.74%	1.05%	3.55%	14.36%	14.77%	1.30%	4.16%
30-34	32.43%	29.59%	22.33%	24.76%	23.02%	23.83%	13.54%	16.04%	17.37%	17.62%	13.30%	15.64%
35-39	19.59%	16.28%	24.91%	23.06%	23.26%	20.05%	19.73%	20.14%	15.06%	14.25%	15.43%	15.57%
40-44	9.37%	7.41%	16.43%	14.00%	12.23%	9.43%	19.61%	17.31%	10.01%	9.46%	13.46%	12.47%
45-49	5.47%	5.66%	8.58%	6.85%	6.29%	6.16%	11.30%	8.86%	7.25%	6.95%	9.34%	7.85%
50-54	4.14%	4.48%	5.21%	5.40%	3.97%	4.21%	6.17%	6.06%	5.06%	4.72%	6.96%	7.07%
55-59	4.01%	4.37%	4.03%	4.34%	3.46%	3.77%	4.02%	4.23%	4.02%	3.88%	5.02%	5.22%
60-64	2.82%	4.05%	4.05%	4.32%	2.22%	3.19%	3.63%	3.88%	2.20%	3.16%	4.16%	4.23%
65-69	3.27%	3.91%	2.98%	4.11%	2.52%	2.87%	2.45%	3.39%	2.25%	2.76%	2.40%	3.25%
70-74	4.56%	5.10%	3.67%	4.19%	2.79%	3.22%	2.95%	3.23%	2.29%	2.94%	2.62%	2.86%
75-79	5.80%	7.84%	5.70%	6.09%	3.27%	4.50%	3.68%	4.05%	2.63%	3.99%	3.00%	3.31%
80-84	1.79%	7.83%	8.34%	10.47%	1.27%	5.33%	5.00%	6.43%	0.83%	4.11%	4.00%	4.95%
85+	2.08%	9.87%	3.48%	19.55%	1.60%	9.52%	2.66%	16.15%	1.07%	7.78%	1.74%	11.15%
SUBTOTAL	7.79%	8.20%	7.34%	7.65%	7.25%	7.54%	7.19%	7.41%	7.09%	7.30%	7.02%	7.18%
TOTAL		8.00%		7.50%		7.40%		7.30%		7.20%		7.10%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Erie**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	30	3	17	0	18	1	5	0	4	0	-2
5-9	48	19	0	25	28	11	0	8	6	2	0	-4
10-14	-68	-104	40	17	-40	-61	12	5	-8	-13	-6	-2
15-19	-420	-330	-56	-86	-247	-194	-17	-27	-51	-40	8	12
20-24	-298	-249	-350	-277	-175	-146	-108	-85	-36	-30	49	39
25-29	47	15	-255	-213	27	9	-79	-65	6	2	36	30
30-34	35	18	33	8	20	11	10	2	4	2	-5	-1
35-39	65	8	29	15	38	5	9	5	8	1	-4	-2
40-44	21	8	54	7	12	5	17	2	3	1	-8	-1
45-49	19	20	19	7	11	12	6	2	2	2	-3	-1
50-54	22	3	16	17	13	2	5	5	3	0	-2	-2
55-59	29	2	19	3	17	1	6	1	4	0	-3	0
60-64	-9	-25	25	2	-5	-14	8	1	-1	-3	-3	0
65-69	11	-11	-7	-20	7	-6	-2	-6	1	-1	1	3
70-74	41	-4	9	-10	24	-2	3	-3	5	0	-1	1
75-79	50	10	34	-3	30	6	11	-1	6	1	-5	0
80-84	4	-29	43	8	3	-17	13	3	1	-4	-6	-1
85+	5	-28	9	-48	3	-16	3	-15	1	-3	-1	7
SUBTOTAL	-397	-646	-335	-532	-234	-380	-103	-164	-49	-79	47	75
TOTAL		-1043		-867		-614		-267		-128		122

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.02%	1.53%	0.14%	0.89%	0.02%	1.01%	0.05%	0.31%	0.00%	0.23%	-0.02%	-0.16%
5-9	2.23%	0.95%	0.02%	1.27%	1.53%	0.59%	0.01%	0.44%	0.37%	0.14%	0.00%	-0.23%
10-14	-2.89%	-4.58%	1.82%	0.81%	-2.14%	-3.06%	0.66%	0.27%	-0.50%	-0.66%	-0.35%	-0.14%
15-19	-16.56%	-13.68%	-2.45%	-3.98%	-11.14%	-9.37%	-0.94%	-1.37%	-2.76%	-2.12%	0.48%	0.70%
20-24	-11.58%	-10.21%	-16.65%	-13.29%	-7.95%	-7.04%	-5.50%	-4.53%	-2.03%	-1.70%	2.74%	2.06%
25-29	2.47%	0.77%	-11.29%	-9.76%	1.57%	0.49%	-3.89%	-3.40%	0.31%	0.10%	2.06%	1.60%
30-34	1.76%	0.88%	1.72%	0.39%	1.02%	0.54%	0.58%	0.13%	0.22%	0.12%	-0.25%	-0.06%
35-39	3.51%	0.40%	1.49%	0.74%	1.97%	0.24%	0.45%	0.24%	0.45%	0.05%	-0.22%	-0.11%
40-44	1.00%	0.37%	2.89%	0.36%	0.63%	0.23%	0.86%	0.11%	0.13%	0.05%	-0.44%	-0.05%
45-49	0.80%	0.82%	0.90%	0.31%	0.58%	0.60%	0.30%	0.10%	0.12%	0.12%	-0.14%	-0.05%
50-54	0.81%	0.10%	0.70%	0.69%	0.64%	0.08%	0.26%	0.27%	0.14%	0.02%	-0.12%	-0.12%
55-59	1.02%	0.07%	0.71%	0.10%	0.79%	0.06%	0.29%	0.04%	0.20%	0.01%	-0.14%	-0.02%
60-64	-0.33%	-0.86%	0.90%	0.06%	-0.22%	-0.52%	0.36%	0.03%	-0.06%	-0.13%	-0.21%	-0.02%
65-69	0.47%	-0.43%	-0.29%	-0.77%	0.26%	-0.23%	-0.10%	-0.24%	0.07%	-0.05%	0.06%	0.15%
70-74	2.68%	-0.20%	0.47%	-0.42%	1.20%	-0.09%	0.14%	-0.12%	0.27%	-0.02%	-0.08%	0.07%
75-79	4.86%	0.80%	2.96%	-0.22%	2.05%	0.32%	0.70%	-0.05%	0.40%	0.06%	-0.35%	0.03%
80-84	0.67%	-3.11%	6.12%	0.88%	0.34%	-1.56%	1.39%	0.18%	0.06%	-0.26%	-0.61%	-0.08%
85+	0.87%	-2.62%	1.50%	-4.52%	0.47%	-1.51%	0.41%	-1.26%	0.08%	-0.29%	-0.15%	0.44%
SUBTOTAL	-1.10%	-1.68%	-0.96%	-1.43%	-0.70%	-1.05%	-0.32%	-0.47%	-0.16%	-0.24%	0.16%	0.23%
TOTAL		-1.40%		-1.20%		-0.88%		-0.40%		-0.20%		0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Fairfield**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	549	585	174	127	659	703	222	162	786	839	265	194
5-9	723	730	505	541	868	877	645	691	1,036	1,046	769	824
10-14	340	319	654	659	408	383	836	843	487	457	997	1,005
15-19	-625	-507	291	271	-751	-609	372	346	-896	-726	444	413
20-24	-285	-32	-594	-483	-342	-38	-760	-618	-408	-46	-906	-737
25-29	546	716	-242	-11	656	860	-309	-14	783	1,026	-369	-16
30-34	661	730	519	668	795	877	663	854	948	1,046	791	1,018
35-39	635	571	596	654	763	686	762	836	910	818	909	997
40-44	430	357	568	507	517	429	726	648	617	512	866	772
45-49	252	244	379	313	303	293	484	400	361	349	578	477
50-54	153	110	220	215	184	132	281	275	219	157	335	328
55-59	75	81	134	94	90	97	171	120	107	116	204	143
60-64	73	98	65	72	88	118	83	92	105	141	98	109
65-69	47	143	66	89	57	172	84	114	68	205	100	135
70-74	98	122	41	130	118	147	53	166	141	175	63	198
75-79	66	124	90	109	80	149	115	139	95	177	137	166
80-84	-31	50	58	111	-37	60	75	142	-44	71	89	169
85+	-36	48	-62	84	-43	58	-80	107	-52	69	-95	128
SUBTOTAL	3,671	4,488	3,461	4,148	4,411	5,393	4,423	5,302	5,262	6,432	5,275	6,323
TOTAL		8,160		7,609		9,804		9,725		11,694		11,599

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	13.02%	13.29%	3.71%	2.59%	13.66%	13.94%	4.12%	2.88%	14.68%	14.99%	4.59%	3.21%
5-9	14.99%	16.13%	10.60%	10.84%	17.85%	17.44%	11.76%	12.03%	18.43%	16.26%	12.53%	12.82%
10-14	6.33%	6.06%	11.80%	12.56%	7.75%	6.93%	14.58%	14.29%	7.95%	6.77%	14.98%	14.70%
15-19	-10.56%	-9.19%	5.12%	4.87%	-12.17%	-10.32%	6.58%	5.87%	-13.69%	-11.64%	6.73%	6.01%
20-24	-5.29%	-0.64%	-11.28%	-9.68%	-5.74%	-0.66%	-14.08%	-11.71%	-6.80%	-0.98%	-16.12%	-12.30%
25-29	15.56%	19.76%	-4.79%	-0.21%	14.15%	19.12%	-5.56%	-0.23%	17.02%	17.84%	-6.65%	-0.26%
30-34	17.63%	17.99%	12.87%	15.45%	16.62%	17.87%	12.60%	15.99%	18.15%	16.89%	14.79%	18.01%
35-39	15.23%	12.71%	13.65%	13.76%	16.93%	13.84%	13.80%	14.55%	15.50%	12.44%	14.87%	14.82%
40-44	9.18%	7.12%	12.00%	10.06%	10.56%	7.98%	13.98%	11.54%	9.95%	8.17%	12.96%	11.14%
45-49	4.85%	4.57%	7.55%	5.89%	5.82%	5.34%	9.12%	6.96%	6.22%	5.69%	8.64%	6.83%
50-54	2.78%	1.91%	4.14%	3.92%	3.49%	2.38%	5.24%	4.83%	3.88%	2.64%	5.58%	5.09%
55-59	1.48%	1.51%	2.46%	1.63%	1.69%	1.74%	3.26%	2.16%	1.97%	2.04%	3.61%	2.35%
60-64	1.73%	2.08%	1.35%	1.37%	1.69%	2.09%	1.64%	1.67%	2.08%	2.52%	1.91%	1.90%
65-69	1.30%	3.68%	1.68%	1.98%	1.28%	3.47%	1.75%	2.11%	1.45%	3.74%	2.13%	2.58%
70-74	4.21%	4.41%	1.36%	3.64%	3.58%	3.63%	1.42%	3.66%	3.48%	3.72%	1.61%	4.15%
75-79	4.39%	6.59%	4.94%	4.62%	3.46%	4.94%	4.49%	4.08%	3.38%	5.00%	4.37%	4.07%
80-84	-3.25%	4.10%	5.39%	7.75%	-2.84%	3.38%	4.56%	6.29%	-2.42%	2.96%	4.45%	5.91%
85+	-4.50%	3.88%	-7.03%	6.66%	-4.19%	4.11%	-6.70%	6.60%	-3.49%	4.02%	-5.61%	5.52%
SUBTOTAL	5.17%	6.06%	4.59%	5.21%	5.57%	6.38%	5.26%	5.85%	5.96%	6.71%	5.65%	6.19%
TOTAL		5.63%		4.91%		5.99%		5.57%		6.35%		5.93%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
 Expected population is calculated using population of base year times survival rates.
 Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Fayette**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	3	-5	-3	0	3	-5	-3	0	2	-6	-4
5-9	11	9	0	2	9	8	0	2	8	7	0	2
10-14	-24	-27	6	5	-21	-23	7	6	-18	-20	8	6
15-19	-71	-48	-15	-16	-62	-42	-16	-18	-53	-36	-17	-19
20-24	-41	-14	-42	-28	-36	-12	-45	-30	-31	-10	-49	-32
25-29	4	3	-22	-7	4	3	-24	-7	3	2	-26	-8
30-34	-1	-3	4	2	-1	-3	4	3	-1	-3	5	3
35-39	-1	-4	-1	-2	-1	-4	-1	-2	-1	-3	-1	-3
40-44	3	-3	0	-2	3	-3	0	-3	2	-2	-1	-3
45-49	6	-1	2	-2	6	-1	2	-2	5	-1	2	-2
50-54	4	-2	4	0	3	-2	4	0	3	-2	4	-1
55-59	-3	-6	2	-1	-3	-5	2	-1	-3	-5	2	-1
60-64	-3	-4	-2	-4	-2	-3	-2	-4	-2	-3	-2	-4
65-69	0	1	-1	-2	0	1	-2	-2	0	1	-2	-2
70-74	8	7	0	1	7	6	0	1	6	5	0	1
75-79	5	9	5	4	4	8	5	5	4	7	5	5
80-84	-15	-7	3	5	-13	-6	3	6	-11	-5	3	6
85+	-17	-8	-18	-9	-15	-7	-20	-9	-13	-6	-21	-10
SUBTOTAL	-134	-94	-81	-56	-117	-82	-87	-61	-100	-70	-94	-66
TOTAL		-228		-137		-199		-148		-171		-160

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.02%	0.29%	-0.51%	-0.29%	0.02%	0.24%	-0.52%	-0.30%	0.01%	0.19%	-0.51%	-0.29%
5-9	1.04%	0.90%	0.04%	0.19%	0.96%	0.77%	0.04%	0.19%	0.78%	0.63%	0.04%	0.19%
10-14	-2.54%	-3.02%	0.61%	0.53%	-2.23%	-2.34%	0.70%	0.55%	-1.79%	-1.93%	0.72%	0.57%
15-19	-6.86%	-4.83%	-1.61%	-1.91%	-5.86%	-4.12%	-1.74%	-1.82%	-5.34%	-3.73%	-1.76%	-1.83%
20-24	-4.16%	-1.57%	-4.37%	-2.97%	-3.95%	-1.44%	-4.56%	-3.10%	-3.39%	-1.11%	-5.22%	-3.25%
25-29	0.57%	0.41%	-2.37%	-0.77%	0.42%	0.32%	-2.77%	-0.88%	0.35%	0.30%	-2.99%	-0.83%
30-34	-0.09%	-0.39%	0.51%	0.30%	-0.07%	-0.34%	0.47%	0.28%	-0.07%	-0.28%	0.50%	0.30%
35-39	-0.10%	-0.51%	-0.09%	-0.26%	-0.09%	-0.48%	-0.08%	-0.27%	-0.07%	-0.38%	-0.10%	-0.31%
40-44	0.36%	-0.32%	-0.06%	-0.30%	0.35%	-0.31%	-0.07%	-0.35%	0.27%	-0.29%	-0.06%	-0.33%
45-49	0.68%	-0.10%	0.22%	-0.18%	0.70%	-0.09%	0.27%	-0.21%	0.65%	-0.08%	0.26%	-0.23%
50-54	0.38%	-0.21%	0.41%	-0.05%	0.39%	-0.21%	0.52%	-0.06%	0.37%	-0.20%	0.61%	-0.07%
55-59	-0.35%	-0.60%	0.21%	-0.13%	-0.34%	-0.61%	0.28%	-0.16%	-0.35%	-0.53%	0.33%	-0.19%
60-64	-0.32%	-0.37%	-0.24%	-0.38%	-0.26%	-0.33%	-0.29%	-0.47%	-0.27%	-0.32%	-0.38%	-0.57%
65-69	0.04%	0.15%	-0.21%	-0.22%	0.04%	0.12%	-0.21%	-0.24%	0.03%	0.10%	-0.27%	-0.31%
70-74	1.51%	1.19%	0.05%	0.12%	1.17%	0.82%	0.05%	0.12%	0.96%	0.71%	0.06%	0.15%
75-79	1.39%	2.21%	1.25%	0.87%	1.05%	1.40%	1.20%	0.74%	0.85%	1.10%	1.24%	0.83%
80-84	-6.65%	-2.19%	1.16%	1.76%	-5.50%	-1.68%	1.08%	1.39%	-4.20%	-1.21%	1.12%	1.42%
85+	-11.21%	-2.64%	-12.37%	-3.04%	-9.49%	-2.52%	-12.57%	-3.18%	-7.27%	-2.11%	-11.92%	-2.76%
SUBTOTAL	-0.96%	-0.65%	-0.59%	-0.39%	-0.85%	-0.56%	-0.64%	-0.41%	-0.74%	-0.47%	-0.69%	-0.44%
TOTAL		-0.80%		-0.48%		-0.70%		-0.52%		-0.60%		-0.56%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Franklin**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	7	104	88	53	-8	-109	547	330	-17	-243	762	460
5-9	390	327	-7	-34	-407	-342	-45	-210	-906	-760	-63	-292
10-14	-879	-973	-114	-94	919	1,017	-708	-584	2,043	2,261	-985	-813
15-19	-2,559	-1,733	264	290	2,675	1,812	1,644	1,809	5,945	4,028	2,288	2,517
20-24	-1,484	-503	733	490	1,552	526	4,570	3,055	3,449	1,169	6,359	4,251
25-29	159	119	391	119	-167	-125	2,440	740	-370	-277	3,395	1,029
30-34	-28	-122	-69	-42	29	128	-433	-260	65	284	-602	-362
35-39	-30	-158	12	38	31	165	77	238	69	366	106	331
40-44	114	-107	8	44	-119	112	50	274	-265	248	70	381
45-49	229	-32	-34	29	-239	34	-211	179	-532	75	-293	249
50-54	136	-79	-65	8	-142	82	-405	48	-316	183	-564	67
55-59	-121	-222	-36	23	127	232	-224	141	282	517	-312	196
60-64	-94	-130	38	64	99	136	234	397	219	302	326	553
65-69	11	43	25	34	-12	-45	158	214	-26	-100	220	297
70-74	273	256	-5	-15	-286	-268	-30	-91	-635	-596	-41	-126
75-79	177	327	-80	-74	-185	-342	-497	-462	-411	-760	-691	-643
80-84	-539	-238	-47	-91	564	249	-293	-569	1,253	553	-408	-792
85+	-612	-286	321	150	640	299	2,000	934	1,423	664	2,784	1,299
SUBTOTAL	-4,851	-3,407	1,423	991	5,071	3,561	8,875	6,182	11,271	7,916	12,349	8,602
TOTAL		-8,257		2,414		8,632		15,057		19,187		20,951

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.02%	0.23%	0.20%	0.12%	-0.02%	-0.26%	1.42%	0.82%	-0.04%	-0.58%	1.74%	1.00%
5-9	0.92%	0.80%	-0.02%	-0.07%	-0.94%	-0.76%	-0.11%	-0.50%	-2.32%	-1.81%	-0.16%	-0.70%
10-14	-2.25%	-2.59%	-0.27%	-0.23%	2.09%	2.21%	-1.66%	-1.31%	5.06%	5.12%	-2.58%	-2.04%
15-19	-6.85%	-4.81%	0.69%	0.79%	6.32%	4.44%	3.69%	3.85%	14.23%	8.26%	5.41%	5.69%
20-24	-4.08%	-1.44%	2.12%	1.43%	4.08%	1.43%	10.23%	7.19%	7.51%	2.57%	13.42%	8.86%
25-29	0.33%	0.25%	1.13%	0.35%	-0.47%	-0.36%	6.20%	1.99%	-0.76%	-0.73%	6.92%	2.07%
30-34	-0.06%	-0.24%	-0.15%	-0.09%	0.08%	0.37%	-1.25%	-0.76%	0.16%	0.83%	-1.25%	-0.80%
35-39	-0.07%	-0.36%	0.03%	0.07%	0.07%	0.34%	0.22%	0.70%	0.20%	1.06%	0.26%	0.88%
40-44	0.29%	-0.27%	0.02%	0.10%	-0.25%	0.22%	0.11%	0.57%	-0.78%	0.51%	0.21%	1.12%
45-49	0.61%	-0.09%	-0.09%	0.07%	-0.57%	0.08%	-0.45%	0.36%	-1.17%	0.15%	-0.89%	0.73%
50-54	0.36%	-0.20%	-0.18%	0.02%	-0.38%	0.21%	-1.01%	0.11%	-0.70%	0.43%	-1.30%	0.14%
55-59	-0.34%	-0.56%	-0.10%	0.06%	0.37%	0.65%	-0.63%	0.38%	0.74%	1.37%	-0.73%	0.41%
60-64	-0.32%	-0.39%	0.11%	0.17%	0.29%	0.37%	0.72%	1.15%	0.67%	0.86%	0.92%	1.39%
65-69	0.05%	0.16%	0.10%	0.11%	-0.04%	-0.13%	0.53%	0.62%	-0.09%	-0.29%	0.76%	0.89%
70-74	2.09%	1.49%	-0.03%	-0.06%	-1.36%	-0.99%	-0.12%	-0.30%	-2.58%	-1.96%	-0.17%	-0.45%
75-79	2.05%	2.70%	-0.78%	-0.52%	-1.32%	-1.80%	-3.12%	-2.13%	-2.21%	-3.57%	-3.77%	-2.68%
80-84	-9.41%	-2.76%	-0.79%	-1.00%	8.23%	2.40%	-3.16%	-4.15%	12.06%	4.21%	-3.34%	-4.52%
85+	-10.01%	-2.81%	5.13%	1.54%	8.80%	2.99%	22.31%	8.42%	12.19%	5.53%	19.24%	8.13%
SUBTOTAL	-0.84%	-0.56%	0.24%	0.16%	0.85%	0.56%	1.46%	0.96%	1.82%	1.20%	1.94%	1.28%
TOTAL		-0.70%		0.20%		0.70%		1.20%		1.50%		1.60%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Fulton**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	131	75	13	50	64	36	4	16	-12	-7	-7	-28
5-9	73	113	99	61	36	55	32	19	-7	-10	-56	-34
10-14	-27	-93	65	90	-13	-45	21	29	3	9	-36	-50
15-19	-499	-573	-14	-60	-242	-278	-4	-19	47	53	8	34
20-24	-395	-277	-373	-432	-192	-134	-119	-138	37	26	209	242
25-29	82	176	-331	-249	40	85	-106	-79	-8	-16	186	139
30-34	58	102	28	106	28	50	9	34	-5	-10	-16	-59
35-39	57	36	46	86	27	17	15	28	-5	-3	-26	-48
40-44	32	17	47	35	16	8	15	11	-3	-2	-26	-20
45-49	40	-31	29	16	20	-15	9	5	-4	3	-16	-9
50-54	31	8	33	-22	15	4	10	-7	-3	-1	-18	12
55-59	-25	-13	26	4	-12	-6	8	1	2	1	-15	-2
60-64	-19	-11	-16	-9	-9	-5	-5	-3	2	1	9	5
65-69	16	-13	-16	-9	8	-6	-5	-3	-1	1	9	5
70-74	4	26	10	-11	2	13	3	-3	0	-2	-6	6
75-79	46	51	4	18	23	25	1	6	-4	-5	-2	-10
80-84	-28	-7	35	40	-14	-3	11	13	3	1	-20	-22
85+	-19	-1	-34	-3	-9	-1	-11	-1	2	0	19	2
SUBTOTAL	-441	-416	-350	-287	-214	-202	-111	-92	41	39	196	161
TOTAL		-857		-637		-416		-203		80		357

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	10.26%	5.60%	0.99%	3.61%	5.94%	3.24%	0.40%	1.46%	-1.04%	-0.57%	-0.55%	-2.02%
5-9	5.19%	8.42%	7.02%	4.30%	2.64%	3.77%	2.78%	1.67%	-0.65%	-0.89%	-4.79%	-2.80%
10-14	-1.75%	-6.77%	4.34%	6.20%	-0.87%	-3.07%	1.49%	1.91%	0.22%	0.57%	-3.44%	-4.54%
15-19	-29.92%	-36.35%	-0.91%	-4.71%	-15.78%	-18.14%	-0.30%	-1.35%	3.34%	3.80%	0.66%	2.86%
20-24	-24.89%	-18.52%	-32.12%	-43.09%	-12.94%	-10.99%	-9.26%	-10.98%	2.51%	2.31%	14.64%	15.34%
25-29	7.81%	16.21%	-27.90%	-20.53%	5.09%	15.01%	-8.22%	-7.33%	-0.66%	-1.63%	12.40%	9.78%
30-34	5.34%	8.65%	2.49%	8.43%	3.30%	5.16%	1.09%	5.18%	-0.46%	-1.39%	-1.38%	-5.43%
35-39	4.92%	3.04%	4.06%	6.77%	2.40%	1.28%	1.68%	2.74%	-0.64%	-0.32%	-2.22%	-4.90%
40-44	2.68%	1.28%	3.90%	2.93%	1.35%	0.62%	1.28%	0.82%	-0.35%	-0.12%	-3.24%	-2.92%
45-49	2.88%	-2.10%	2.35%	1.21%	1.59%	-1.23%	0.79%	0.38%	-0.32%	0.21%	-1.88%	-0.90%
50-54	1.94%	0.47%	2.35%	-1.50%	1.21%	0.27%	0.86%	-0.57%	-0.25%	-0.06%	-1.63%	0.89%
55-59	-1.46%	-0.76%	1.67%	0.22%	-0.87%	-0.46%	0.69%	0.08%	0.19%	0.09%	-1.32%	-0.15%
60-64	-1.31%	-0.69%	-1.00%	-0.57%	-0.63%	-0.33%	-0.39%	-0.22%	0.16%	0.07%	0.79%	0.46%
65-69	1.42%	-1.16%	-1.19%	-0.61%	0.53%	-0.41%	-0.37%	-0.19%	-0.12%	0.08%	0.85%	0.41%
70-74	0.59%	3.15%	1.04%	-1.05%	0.18%	0.99%	0.26%	-0.24%	-0.03%	-0.18%	-0.56%	0.52%
75-79	9.45%	9.27%	0.74%	2.60%	2.92%	3.03%	0.15%	0.55%	-0.44%	-0.44%	-0.26%	-0.96%
80-84	-8.96%	-1.56%	9.49%	8.56%	-3.39%	-0.62%	2.05%	1.95%	0.42%	0.10%	-2.93%	-2.53%
85+	-6.02%	-0.31%	-11.66%	-0.60%	-2.62%	-0.15%	-2.96%	-0.17%	0.37%	0.03%	3.43%	0.22%
SUBTOTAL	-2.09%	-1.92%	-1.67%	-1.33%	-1.05%	-0.95%	-0.56%	-0.44%	0.21%	0.19%	1.02%	0.79%
TOTAL		-2.00%		-1.50%		-1.00%		-0.50%		0.20%		0.90%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Gallia**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-2	9	-18	-16	-1	4	-13	-13	-1	3	-7	-6
5-9	11	18	-3	19	5	8	-2	15	3	5	-1	7
10-14	-2	-9	22	35	-1	-4	17	26	-1	-3	8	13
15-19	-74	-46	-6	-22	-34	-21	-5	-17	-22	-14	-2	-8
20-24	-66	-53	-147	-90	-30	-24	-112	-68	-20	-16	-56	-34
25-29	-18	-14	-120	-98	-8	-7	-91	-74	-5	-4	-46	-37
30-34	14	1	-25	-20	6	1	-19	-15	4	0	-10	-8
35-39	17	-3	30	4	8	-1	22	3	5	-1	11	2
40-44	0	-3	32	-6	0	-1	25	-5	0	-1	12	-2
45-49	13	1	-3	-6	6	0	-2	-4	4	0	-1	-2
50-54	5	-3	27	3	2	-2	20	2	1	-1	10	1
55-59	9	0	7	-7	4	0	6	-5	3	0	3	-3
60-64	12	7	17	1	5	3	13	1	4	2	6	0
65-69	11	-1	22	15	5	0	17	11	3	0	8	6
70-74	-1	-5	21	-3	-1	-2	16	-2	0	-1	8	-1
75-79	1	7	-5	-10	0	3	-3	-7	0	2	-2	-4
80-84	-9	-5	3	16	-4	-2	2	12	-3	-2	1	6
85+	-11	-7	-37	-23	-5	-3	-28	-18	-3	-2	-14	-9
SUBTOTAL	-91	-104	-184	-208	-41	-48	-139	-157	-27	-31	-69	-78
TOTAL		-195		-391		-89		-297		-59		-148

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.23%	0.89%	-1.71%	-1.55%	-0.10%	0.39%	-1.25%	-1.13%	-0.06%	0.24%	-0.56%	-0.50%
5-9	1.06%	1.95%	-0.30%	1.91%	0.50%	0.79%	-0.22%	1.39%	0.32%	0.51%	-0.10%	0.65%
10-14	-0.21%	-0.98%	2.13%	3.67%	-0.10%	-0.42%	1.67%	2.49%	-0.06%	-0.26%	0.80%	1.20%
15-19	-6.99%	-4.52%	-0.61%	-2.32%	-3.18%	-2.14%	-0.49%	-1.62%	-2.17%	-1.37%	-0.23%	-0.78%
20-24	-6.64%	-5.17%	-15.17%	-9.34%	-3.07%	-2.64%	-10.99%	-7.16%	-2.13%	-1.80%	-5.62%	-3.21%
25-29	-2.10%	-1.64%	-12.96%	-10.18%	-0.99%	-0.76%	-9.58%	-8.40%	-0.60%	-0.53%	-4.97%	-3.78%
30-34	1.54%	0.14%	-3.08%	-2.36%	0.79%	0.07%	-2.39%	-1.79%	0.49%	0.04%	-1.08%	-0.88%
35-39	2.11%	-0.34%	3.32%	0.49%	1.02%	-0.16%	2.84%	0.38%	0.69%	-0.10%	1.33%	0.20%
40-44	0.00%	-0.34%	3.92%	-0.74%	0.00%	-0.16%	3.20%	-0.58%	0.00%	-0.11%	1.63%	-0.29%
45-49	1.52%	0.12%	-0.31%	-0.62%	0.72%	0.06%	-0.24%	-0.51%	0.51%	0.04%	-0.13%	-0.25%
50-54	0.46%	-0.29%	3.14%	0.30%	0.26%	-0.18%	2.46%	0.25%	0.17%	-0.12%	1.33%	0.13%
55-59	0.76%	0.03%	0.75%	-0.64%	0.48%	0.02%	0.70%	-0.64%	0.33%	0.01%	0.35%	-0.34%
60-64	1.26%	0.75%	1.59%	0.11%	0.58%	0.33%	1.65%	0.11%	0.47%	0.28%	0.86%	0.06%
65-69	1.45%	-0.07%	2.60%	1.59%	0.54%	-0.03%	2.01%	1.17%	0.49%	-0.02%	1.24%	0.77%
70-74	-0.24%	-0.67%	3.19%	-0.34%	-0.09%	-0.27%	1.98%	-0.21%	-0.06%	-0.16%	1.36%	-0.14%
75-79	0.23%	1.45%	-1.05%	-1.66%	0.10%	0.57%	-0.63%	-1.09%	0.05%	0.34%	-0.32%	-0.53%
80-84	-3.77%	-1.42%	0.86%	4.00%	-1.51%	-0.55%	0.59%	2.64%	-0.79%	-0.34%	0.24%	1.07%
85+	-5.11%	-2.14%	-15.58%	-6.88%	-1.82%	-0.86%	-9.52%	-4.45%	-1.00%	-0.54%	-3.84%	-1.91%
SUBTOTAL	-0.61%	-0.68%	-1.25%	-1.35%	-0.29%	-0.31%	-0.97%	-1.03%	-0.19%	-0.21%	-0.48%	-0.51%
TOTAL		-0.65%		-1.30%		-0.30%		-1.00%		-0.20%		-0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Geauga**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-1	-8	17	10	-1	-12	31	18	-1	-14	34	20
5-9	-30	-26	-1	-6	-44	-37	-3	-12	-53	-45	-3	-13
10-14	69	76	-22	-18	99	109	-40	-33	120	133	-44	-36
15-19	200	136	50	55	287	195	92	101	349	236	102	112
20-24	116	39	140	94	167	57	255	171	202	69	283	189
25-29	-12	-9	75	23	-18	-13	136	41	-22	-16	151	46
30-34	2	10	-13	-8	3	14	-24	-15	4	17	-27	-16
35-39	2	12	2	7	3	18	4	13	4	21	5	15
40-44	-9	8	2	8	-13	12	3	15	-16	15	3	17
45-49	-18	3	-6	5	-26	4	-12	10	-31	4	-13	11
50-54	-11	6	-12	1	-15	9	-23	3	-19	11	-25	3
55-59	9	17	-7	4	14	25	-13	8	17	30	-14	9
60-64	7	10	7	12	11	15	13	22	13	18	15	25
65-69	-1	-3	5	7	-1	-5	9	12	-2	-6	10	13
70-74	-21	-20	-1	-3	-31	-29	-2	-5	-37	-35	-2	-6
75-79	-14	-26	-15	-14	-20	-37	-28	-26	-24	-45	-31	-29
80-84	42	19	-9	-17	61	27	-16	-32	73	32	-18	-35
85+	48	22	61	29	69	32	112	52	83	39	124	58
SUBTOTAL	379	266	272	190	545	382	496	346	661	464	550	383
TOTAL		646		462		927		842		1126		934

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.03%	-0.37%	0.77%	0.44%	-0.03%	-0.42%	1.02%	0.59%	-0.03%	-0.45%	1.25%	0.72%
5-9	-1.14%	-1.01%	-0.07%	-0.29%	-1.99%	-1.59%	-0.10%	-0.42%	-1.76%	-1.62%	-0.09%	-0.41%
10-14	1.99%	2.31%	-0.82%	-0.72%	4.70%	4.97%	-1.84%	-1.44%	4.54%	5.94%	-1.48%	-1.16%
15-19	5.22%	3.76%	1.43%	1.65%	10.99%	7.84%	4.20%	4.39%	16.57%	9.83%	3.71%	3.88%
20-24	3.24%	1.18%	3.49%	2.51%	4.69%	1.65%	8.84%	6.39%	8.90%	2.41%	11.60%	7.69%
25-29	-0.60%	-0.48%	2.04%	0.67%	-0.43%	-0.35%	3.69%	1.19%	-0.69%	-0.46%	6.15%	1.86%
30-34	0.13%	0.56%	-0.65%	-0.42%	0.08%	0.41%	-0.59%	-0.38%	0.10%	0.44%	-0.87%	-0.58%
35-39	0.13%	0.65%	0.14%	0.43%	0.17%	0.94%	0.12%	0.39%	0.10%	0.63%	0.13%	0.42%
40-44	-0.38%	0.34%	0.09%	0.44%	-0.75%	0.70%	0.14%	0.81%	-0.42%	0.76%	0.08%	0.45%
45-49	-0.57%	0.07%	-0.28%	0.22%	-1.49%	0.19%	-0.70%	0.58%	-1.57%	0.25%	-0.36%	0.33%
50-54	-0.29%	0.16%	-0.40%	0.04%	-0.67%	0.36%	-1.35%	0.14%	-1.12%	0.57%	-1.30%	0.16%
55-59	0.23%	0.41%	-0.19%	0.11%	0.45%	0.74%	-0.57%	0.33%	1.02%	1.25%	-0.88%	0.52%
60-64	0.21%	0.29%	0.18%	0.30%	0.31%	0.39%	0.45%	0.67%	0.61%	0.53%	0.93%	1.34%
65-69	-0.03%	-0.11%	0.15%	0.19%	-0.03%	-0.12%	0.28%	0.33%	-0.06%	-0.16%	0.49%	0.58%
70-74	-1.08%	-0.92%	-0.04%	-0.10%	-1.07%	-0.94%	-0.05%	-0.14%	-1.34%	-0.99%	-0.08%	-0.20%
75-79	-1.10%	-1.87%	-0.97%	-0.78%	-1.00%	-1.63%	-1.22%	-1.00%	-0.95%	-1.75%	-1.41%	-1.04%
80-84	5.43%	1.96%	-1.03%	-1.83%	5.57%	2.08%	-1.19%	-2.02%	4.66%	2.10%	-1.03%	-1.68%
85+	6.15%	2.19%	6.43%	3.13%	6.32%	3.74%	8.37%	5.21%	5.12%	3.69%	6.36%	4.13%
SUBTOTAL	0.83%	0.57%	0.60%	0.41%	1.19%	0.82%	1.07%	0.73%	1.43%	0.98%	1.19%	0.81%
TOTAL		0.70%		0.50%		1.00%		0.90%		1.20%		1.00%

Prepared by:
Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Greene**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	70	101	6	12	81	116	9	17	99	143	12	24
5-9	89	90	50	73	102	104	70	101	126	128	98	141
10-14	60	37	63	63	69	43	88	88	85	52	122	122
15-19	110	164	42	25	127	189	58	35	156	232	81	49
20-24	-23	-59	78	117	-27	-68	109	164	-33	-84	152	228
25-29	-123	-83	-19	-45	-142	-95	-26	-63	-174	-117	-36	-88
30-34	13	80	-88	-58	15	92	-123	-81	18	113	-171	-113
35-39	84	84	11	59	97	97	16	82	119	120	22	114
40-44	84	46	60	59	97	53	84	83	119	65	117	115
45-49	66	29	59	32	76	33	82	44	94	41	115	62
50-54	21	24	46	20	24	27	65	28	29	34	90	39
55-59	-15	-9	14	17	-18	-10	19	23	-22	-13	26	32
60-64	-14	-9	-11	-7	-16	-10	-16	-10	-20	-12	-22	-13
65-69	2	22	-10	-6	2	25	-14	-8	2	31	-19	-12
70-74	24	23	1	16	27	26	2	22	34	32	3	31
75-79	6	48	17	16	7	55	24	22	9	68	33	31
80-84	-11	26	4	34	-12	30	6	48	-15	37	8	66
85+	-11	26	-16	36	-13	30	-22	50	-16	37	-30	69
SUBTOTAL	431	640	309	462	497	737	432	644	611	906	600	896
TOTAL		1,072		771		1,234		1,076		1,517		1,497

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.78%	2.44%	0.15%	0.28%	1.98%	2.72%	0.22%	0.41%	2.67%	3.67%	0.34%	0.63%
5-9	1.91%	2.05%	1.25%	1.71%	2.46%	2.37%	1.69%	2.30%	3.18%	2.84%	2.56%	3.48%
10-14	1.21%	0.77%	1.32%	1.41%	1.70%	0.99%	2.05%	1.97%	2.00%	1.15%	2.98%	2.86%
15-19	2.20%	3.42%	0.83%	0.52%	2.65%	4.17%	1.41%	0.81%	3.60%	5.32%	1.88%	1.08%
20-24	-0.44%	-1.18%	1.54%	2.37%	-0.54%	-1.41%	2.23%	3.48%	-0.80%	-1.72%	3.39%	4.78%
25-29	-2.02%	-1.38%	-0.35%	-0.92%	-2.74%	-1.88%	-0.52%	-1.33%	-3.49%	-2.48%	-0.88%	-2.06%
30-34	0.25%	1.62%	-1.49%	-0.99%	0.29%	1.89%	-2.46%	-1.64%	0.37%	2.33%	-3.57%	-2.39%
35-39	2.05%	1.97%	0.22%	1.18%	1.69%	1.68%	0.31%	1.66%	2.48%	2.38%	0.46%	2.40%
40-44	2.05%	1.03%	1.46%	1.37%	1.89%	1.06%	1.45%	1.42%	2.31%	1.10%	2.41%	2.35%
45-49	1.44%	0.59%	1.44%	0.71%	1.85%	0.76%	1.61%	0.89%	1.63%	0.81%	2.22%	1.23%
50-54	0.37%	0.41%	1.02%	0.41%	0.58%	0.62%	1.57%	0.65%	0.57%	0.78%	1.57%	0.67%
55-59	-0.27%	-0.15%	0.26%	0.29%	-0.40%	-0.22%	0.48%	0.53%	-0.54%	-0.29%	0.53%	0.66%
60-64	-0.28%	-0.16%	-0.21%	-0.12%	-0.31%	-0.18%	-0.38%	-0.21%	-0.52%	-0.27%	-0.58%	-0.33%
65-69	0.04%	0.48%	-0.22%	-0.12%	0.04%	0.47%	-0.29%	-0.17%	0.06%	0.61%	-0.55%	-0.30%
70-74	0.88%	0.75%	0.04%	0.39%	0.72%	0.59%	0.05%	0.46%	0.85%	0.67%	0.09%	0.80%
75-79	0.33%	2.13%	0.80%	0.64%	0.25%	1.66%	0.80%	0.61%	0.26%	1.87%	1.07%	0.83%
80-84	-0.84%	1.56%	0.31%	2.01%	-0.82%	1.61%	0.28%	1.91%	-0.72%	1.44%	0.33%	2.24%
85+	-0.98%	1.62%	-1.14%	2.23%	-0.88%	1.83%	-1.30%	2.91%	-0.78%	2.09%	-1.29%	2.95%
SUBTOTAL	0.57%	0.82%	0.41%	0.59%	0.66%	0.94%	0.57%	0.82%	0.82%	1.17%	0.82%	1.17%
TOTAL		0.70%		0.50%		0.80%		0.70%		1.00%		1.00%

Prepared by: Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Greene**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	70	101	6	12	81	116	9	17	99	143	12	24
5-9	89	90	50	73	102	104	70	101	126	128	98	141
10-14	60	37	63	63	69	43	88	88	85	52	122	122
15-19	110	164	42	25	127	189	58	35	156	232	81	49
20-24	-23	-59	78	117	-27	-68	109	164	-33	-84	152	228
25-29	-123	-83	-19	-45	-142	-95	-26	-63	-174	-117	-36	-88
30-34	13	80	-88	-58	15	92	-123	-81	18	113	-171	-113
35-39	84	84	11	59	97	97	16	82	119	120	22	114
40-44	84	46	60	59	97	53	84	83	119	65	117	115
45-49	66	29	59	32	76	33	82	44	94	41	115	62
50-54	21	24	46	20	24	27	65	28	29	34	90	39
55-59	-15	-9	14	17	-18	-10	19	23	-22	-13	26	32
60-64	-14	-9	-11	-7	-16	-10	-16	-10	-20	-12	-22	-13
65-69	2	22	-10	-6	2	25	-14	-8	2	31	-19	-12
70-74	24	23	1	16	27	26	2	22	34	32	3	31
75-79	6	48	17	16	7	55	24	22	9	68	33	31
80-84	-11	26	4	34	-12	30	6	48	-15	37	8	66
85+	-11	26	-16	36	-13	30	-22	50	-16	37	-30	69
SUBTOTAL	431	640	309	462	497	737	432	644	611	906	600	896
TOTAL		1,072		771		1,234		1,076		1,517		1,497

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.78%	2.44%	0.15%	0.28%	1.98%	2.72%	0.22%	0.41%	2.67%	3.67%	0.34%	0.63%
5-9	1.91%	2.05%	1.25%	1.71%	2.46%	2.37%	1.69%	2.30%	3.18%	2.84%	2.56%	3.48%
10-14	1.21%	0.77%	1.32%	1.41%	1.70%	0.99%	2.05%	1.97%	2.00%	1.15%	2.98%	2.86%
15-19	2.20%	3.42%	0.83%	0.52%	2.65%	4.17%	1.41%	0.81%	3.60%	5.32%	1.88%	1.08%
20-24	-0.44%	-1.18%	1.54%	2.37%	-0.54%	-1.41%	2.23%	3.48%	-0.80%	-1.72%	3.39%	4.78%
25-29	-2.02%	-1.38%	-0.35%	-0.92%	-2.74%	-1.88%	-0.52%	-1.33%	-3.49%	-2.48%	-0.88%	-2.06%
30-34	0.25%	1.62%	-1.49%	-0.99%	0.29%	1.89%	-2.46%	-1.64%	0.37%	2.33%	-3.57%	-2.39%
35-39	2.05%	1.97%	0.22%	1.18%	1.69%	1.68%	0.31%	1.66%	2.48%	2.38%	0.46%	2.40%
40-44	2.05%	1.03%	1.46%	1.37%	1.89%	1.06%	1.45%	1.42%	2.31%	1.10%	2.41%	2.35%
45-49	1.44%	0.59%	1.44%	0.71%	1.85%	0.76%	1.61%	0.89%	1.63%	0.81%	2.22%	1.23%
50-54	0.37%	0.41%	1.02%	0.41%	0.58%	0.62%	1.57%	0.65%	0.57%	0.78%	1.57%	0.67%
55-59	-0.27%	-0.15%	0.26%	0.29%	-0.40%	-0.22%	0.48%	0.53%	-0.54%	-0.29%	0.53%	0.66%
60-64	-0.28%	-0.16%	-0.21%	-0.12%	-0.31%	-0.18%	-0.38%	-0.21%	-0.52%	-0.27%	-0.58%	-0.33%
65-69	0.04%	0.48%	-0.22%	-0.12%	0.04%	0.47%	-0.29%	-0.17%	0.06%	0.61%	-0.55%	-0.30%
70-74	0.88%	0.75%	0.04%	0.39%	0.72%	0.59%	0.05%	0.46%	0.85%	0.67%	0.09%	0.80%
75-79	0.33%	2.13%	0.80%	0.64%	0.25%	1.66%	0.80%	0.61%	0.26%	1.87%	1.07%	0.83%
80-84	-0.84%	1.56%	0.31%	2.01%	-0.82%	1.61%	0.28%	1.91%	-0.72%	1.44%	0.33%	2.24%
85+	-0.98%	1.62%	-1.14%	2.23%	-0.88%	1.83%	-1.30%	2.91%	-0.78%	2.09%	-1.29%	2.95%
SUBTOTAL	0.57%	0.82%	0.41%	0.59%	0.66%	0.94%	0.57%	0.82%	0.82%	1.17%	0.82%	1.17%
TOTAL		0.70%		0.50%		0.80%		0.70%		1.00%		1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Guernsey**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	1	10	-6	10	1	9	-3	4	0	1	2	-3
5-9	17	1	1	12	14	0	1	5	2	0	0	-4
10-14	-34	-21	20	1	-28	-17	8	0	-4	-3	-6	0
15-19	-159	-123	-40	-25	-132	-102	-17	-10	-19	-15	12	8
20-24	-117	-101	-188	-145	-98	-84	-80	-61	-14	-12	57	44
25-29	15	-6	-140	-119	13	-5	-59	-51	2	-1	43	36
30-34	2	11	17	-8	2	9	7	-4	0	1	-5	3
35-39	9	-3	3	13	7	-2	1	6	1	0	-1	-4
40-44	16	-3	10	-3	13	-2	4	-1	2	0	-3	1
45-49	-10	0	19	-3	-9	0	8	-1	-1	0	-6	1
50-54	5	9	-12	0	5	7	-5	0	1	1	4	0
55-59	35	17	6	10	29	15	3	4	4	2	-2	-3
60-64	21	10	42	21	18	9	18	9	3	1	-13	-6
65-69	6	-6	25	12	5	-5	11	5	1	-1	-8	-4
70-74	1	-21	8	-7	1	-17	3	-3	0	-3	-2	2
75-79	-3	-13	2	-25	-2	-10	1	-10	0	-2	0	8
80-84	-34	-48	-4	-15	-28	-40	-1	-6	-4	-6	1	5
85+	-34	-48	-80	-114	-28	-40	-34	-48	-4	-6	24	35
SUBTOTAL	-262	-332	-317	-384	-218	-276	-134	-163	-32	-41	97	117
TOTAL		-593		-701		-494		-297		-72		214

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.11%	0.86%	-0.50%	0.79%	0.09%	0.74%	-0.23%	0.36%	0.01%	0.11%	0.16%	-0.25%
5-9	1.31%	0.05%	0.13%	1.01%	1.17%	0.04%	0.05%	0.44%	0.18%	0.01%	-0.04%	-0.34%
10-14	-2.58%	-1.67%	1.53%	0.06%	-2.42%	-1.42%	0.70%	0.02%	-0.37%	-0.21%	-0.54%	-0.02%
15-19	-11.08%	-9.09%	-3.13%	-2.01%	-10.23%	-8.59%	-1.49%	-0.87%	-1.63%	-1.25%	1.09%	0.64%
20-24	-8.53%	-7.47%	-14.82%	-11.87%	-8.05%	-6.94%	-6.90%	-5.68%	-1.31%	-1.20%	4.93%	3.62%
25-29	1.45%	-0.59%	-11.20%	-9.61%	1.19%	-0.50%	-5.35%	-4.52%	0.18%	-0.07%	3.97%	3.10%
30-34	0.22%	0.97%	1.63%	-0.76%	0.17%	0.82%	0.68%	-0.33%	0.03%	0.13%	-0.50%	0.25%
35-39	0.79%	-0.24%	0.27%	1.14%	0.67%	-0.19%	0.11%	0.49%	0.10%	-0.03%	-0.08%	-0.38%
40-44	1.49%	-0.20%	0.95%	-0.28%	1.30%	-0.18%	0.41%	-0.12%	0.18%	-0.03%	-0.30%	0.08%
45-49	-0.85%	0.03%	1.80%	-0.24%	-0.83%	0.03%	0.80%	-0.11%	-0.13%	0.00%	-0.57%	0.08%
50-54	0.39%	0.63%	-1.04%	0.04%	0.44%	0.62%	-0.51%	0.02%	0.07%	0.11%	0.38%	-0.01%
55-59	2.52%	1.13%	0.48%	0.76%	2.63%	1.21%	0.27%	0.38%	0.45%	0.18%	-0.21%	-0.30%
60-64	1.66%	0.75%	3.16%	1.39%	1.41%	0.65%	1.68%	0.76%	0.28%	0.11%	-1.44%	-0.69%
65-69	0.56%	-0.51%	2.21%	0.96%	0.43%	-0.37%	0.96%	0.42%	0.08%	-0.06%	-0.94%	-0.36%
70-74	0.16%	-2.31%	0.79%	-0.68%	0.11%	-1.51%	0.31%	-0.25%	0.02%	-0.21%	-0.29%	0.23%
75-79	-0.55%	-1.78%	0.26%	-3.33%	-0.35%	-1.20%	0.09%	-1.10%	-0.05%	-0.16%	-0.07%	0.82%
80-84	-8.91%	-10.40%	-0.95%	-2.87%	-6.98%	-7.43%	-0.31%	-0.98%	-0.82%	-0.91%	0.21%	0.59%
85+	-11.24%	-8.80%	-24.12%	-21.89%	-8.31%	-7.57%	-9.14%	-8.57%	-0.92%	-1.13%	4.79%	4.48%
SUBTOTAL	-1.36%	-1.63%	-1.68%	-1.92%	-1.19%	-1.40%	-0.75%	-0.84%	-0.18%	-0.21%	0.57%	0.63%
TOTAL		-1.50%		-1.80%		-1.30%		-0.80%		-0.20%		0.60%

Prepared by:
Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Hamilton**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-1,027	-881	-425	-380	-539	-462	-209	-187	-177	-152	-21	-18
5-9	-713	-684	-703	-602	-374	-359	-345	-296	-123	-118	-34	-29
10-14	-1,179	-1,112	-467	-452	-618	-583	-229	-222	-203	-191	-23	-22
15-19	-1,296	-648	-807	-761	-680	-340	-397	-374	-223	-111	-39	-37
20-24	-387	368	-872	-418	-203	193	-429	-205	-67	63	-42	-20
25-29	-560	-640	-229	281	-293	-335	-112	138	-96	-110	-11	14
30-34	-1,334	-1,535	-383	-465	-700	-805	-188	-229	-230	-264	-19	-23
35-39	-1,145	-1,131	-921	-1,059	-600	-593	-453	-520	-197	-195	-45	-52
40-44	-632	-725	-760	-743	-331	-380	-374	-365	-109	-125	-37	-36
45-49	-488	-644	-407	-473	-256	-338	-200	-233	-84	-111	-20	-23
50-54	-445	-727	-323	-430	-233	-381	-159	-211	-77	-125	-16	-21
55-59	-633	-747	-297	-491	-332	-392	-146	-241	-109	-129	-14	-24
60-64	-483	-520	-431	-501	-253	-273	-212	-247	-83	-89	-21	-24
65-69	-283	-321	-319	-341	-149	-168	-157	-168	-49	-55	-16	-17
70-74	-53	-78	-184	-209	-28	-41	-90	-103	-9	-13	-9	-10
75-79	-60	-69	-28	-45	-32	-36	-14	-22	-10	-12	-1	-2
80-84	-391	-320	-41	-47	-205	-168	-20	-23	-67	-55	-2	-2
85+	-428	-350	-547	-447	-224	-183	-269	-220	-74	-60	-27	-22
SUBTOTAL	-11,538	-10,764	-8,144	-7,582	-6,051	-5,645	-4,003	-3,727	-1,985	-1,852	-397	-369
TOTAL		-22,302		-15,725		-11,697		-7,730		-3,838		-766

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-3.80%	-3.12%	-1.59%	-1.36%	-2.05%	-1.68%	-0.82%	-0.70%	-0.70%	-0.57%	-0.08%	-0.07%
5-9	-2.66%	-2.60%	-2.71%	-2.20%	-1.42%	-1.30%	-1.34%	-1.09%	-0.49%	-0.44%	-0.14%	-0.11%
10-14	-4.54%	-4.40%	-1.79%	-1.76%	-2.45%	-2.18%	-0.88%	-0.82%	-0.80%	-0.71%	-0.09%	-0.08%
15-19	-4.92%	-2.56%	-3.27%	-3.15%	-2.66%	-1.35%	-1.62%	-1.43%	-0.87%	-0.43%	-0.16%	-0.14%
20-24	-1.46%	1.43%	-3.51%	-1.70%	-0.86%	0.83%	-1.74%	-0.83%	-0.28%	0.26%	-0.17%	-0.08%
25-29	-2.02%	-2.23%	-0.88%	1.08%	-1.23%	-1.39%	-0.48%	0.59%	-0.40%	-0.47%	-0.05%	0.05%
30-34	-4.88%	-5.19%	-1.42%	-1.67%	-2.75%	-3.07%	-0.81%	-0.97%	-1.00%	-1.13%	-0.08%	-0.09%
35-39	-4.78%	-4.49%	-3.58%	-3.80%	-2.28%	-2.17%	-1.85%	-2.06%	-0.86%	-0.79%	-0.20%	-0.22%
40-44	-2.83%	-3.03%	-3.39%	-3.12%	-1.36%	-1.43%	-1.48%	-1.38%	-0.46%	-0.48%	-0.17%	-0.16%
45-49	-2.08%	-2.52%	-1.92%	-2.07%	-1.21%	-1.48%	-0.85%	-0.90%	-0.34%	-0.43%	-0.09%	-0.10%
50-54	-1.66%	-2.45%	-1.45%	-1.76%	-1.16%	-1.74%	-0.79%	-0.96%	-0.34%	-0.57%	-0.07%	-0.08%
55-59	-2.32%	-2.44%	-1.18%	-1.75%	-1.59%	-1.68%	-0.77%	-1.15%	-0.57%	-0.62%	-0.07%	-0.10%
60-64	-2.08%	-1.97%	-1.74%	-1.76%	-1.09%	-1.04%	-1.11%	-1.13%	-0.48%	-0.42%	-0.12%	-0.12%
65-69	-1.62%	-1.57%	-1.57%	-1.43%	-0.69%	-0.66%	-0.77%	-0.70%	-0.29%	-0.23%	-0.10%	-0.09%
70-74	-0.49%	-0.56%	-1.30%	-1.19%	-0.17%	-0.20%	-0.51%	-0.46%	-0.05%	-0.06%	-0.06%	-0.06%
75-79	-0.80%	-0.65%	-0.34%	-0.39%	-0.30%	-0.26%	-0.11%	-0.13%	-0.08%	-0.07%	-0.01%	-0.01%
80-84	-7.11%	-3.70%	-0.80%	-0.59%	-3.57%	-1.99%	-0.28%	-0.22%	-0.78%	-0.52%	-0.02%	-0.02%
85+	-7.04%	-3.43%	-8.82%	-4.64%	-3.62%	-2.02%	-4.05%	-2.41%	-0.93%	-0.68%	-0.28%	-0.18%
SUBTOTAL	-3.02%	-2.60%	-2.16%	-1.85%	-1.62%	-1.39%	-1.08%	-0.92%	-0.54%	-0.46%	-0.11%	-0.09%
TOTAL		-2.80%		-2.00%		-1.50%		-1.00%		-0.50%		-0.10%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Hancock**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-40	-35	72	-118	-49	-42	90	-147	-64	-56	106	-173
5-9	-94	-90	-70	-47	-114	-108	-88	-59	-150	-143	-103	-70
10-14	122	94	-146	-141	148	114	-183	-176	195	151	-215	-207
15-19	294	-138	208	163	355	-167	260	203	469	-221	306	239
20-24	83	58	457	-235	100	70	571	-294	132	93	672	-345
25-29	42	100	98	112	51	121	122	140	67	159	144	164
30-34	-13	27	60	152	-15	32	75	190	-20	42	88	224
35-39	-51	10	-25	31	-62	12	-31	39	-81	16	-36	46
40-44	-25	-107	-80	14	-30	-130	-100	17	-39	-171	-118	21
45-49	-58	-79	-34	-174	-70	-96	-42	-217	-93	-127	-49	-256
50-54	-53	-10	-91	-114	-64	-12	-114	-143	-84	-15	-134	-168
55-59	1	-24	-78	-7	2	-30	-98	-8	2	-39	-115	-10
60-64	28	-32	8	-39	34	-38	10	-48	45	-51	12	-57
65-69	-21	-44	45	-48	-25	-53	56	-60	-33	-70	66	-71
70-74	-81	-64	-37	-67	-98	-77	-46	-84	-129	-102	-54	-99
75-79	-83	-137	-127	-98	-100	-166	-159	-122	-132	-219	-187	-144
80-84	51	-36	-123	-213	62	-44	-154	-266	81	-58	-181	-313
85+	66	-30	183	-84	79	-36	229	-105	105	-48	269	-124
SUBTOTAL	169	-538	319	-913	204	-651	399	-1,141	269	-859	469	-1,342
TOTAL		-369		-594		-447		-743		-589		-873

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.85%	-1.54%	3.16%	-4.93%	-2.13%	-1.77%	4.10%	-6.39%	-2.97%	-2.48%	5.22%	-8.15%
5-9	-3.93%	-3.82%	-3.29%	-2.12%	-4.86%	-4.79%	-3.92%	-2.52%	-6.59%	-6.24%	-4.93%	-3.17%
10-14	5.07%	4.15%	-6.35%	-6.24%	7.18%	5.21%	-8.20%	-8.16%	9.09%	7.60%	-10.09%	-10.30%
15-19	11.82%	-5.49%	8.24%	6.87%	16.55%	-7.92%	11.83%	8.82%	23.01%	-8.80%	13.11%	9.80%
20-24	3.29%	2.46%	16.56%	-9.90%	3.68%	2.79%	22.98%	-15.14%	5.40%	5.64%	26.99%	-19.69%
25-29	1.84%	3.73%	3.80%	4.63%	1.59%	5.67%	4.38%	5.40%	2.21%	5.85%	5.63%	6.34%
30-34	-0.52%	1.14%	2.60%	5.49%	-0.57%	1.28%	2.33%	8.47%	-0.69%	1.74%	2.86%	12.45%
35-39	-2.43%	0.47%	-1.05%	1.32%	-2.61%	0.42%	-1.18%	1.53%	-2.47%	0.63%	-1.27%	1.66%
40-44	-1.12%	-4.82%	-3.97%	0.65%	-1.29%	-5.49%	-4.41%	0.60%	-1.54%	-5.86%	-3.72%	0.85%
45-49	-2.51%	-3.47%	-1.57%	-8.31%	-3.71%	-4.53%	-1.87%	-9.85%	-4.37%	-6.38%	-1.99%	-10.82%
50-54	-2.03%	-0.35%	-4.10%	-5.24%	-3.10%	-0.61%	-6.35%	-7.15%	-3.92%	-0.82%	-6.70%	-6.18%
55-59	0.05%	-0.87%	-3.14%	-0.25%	0.07%	-1.46%	-5.02%	-0.45%	0.12%	-2.12%	-5.71%	-0.51%
60-64	1.21%	-1.31%	0.31%	-1.43%	1.49%	-1.49%	0.51%	-2.51%	2.57%	-2.70%	0.76%	-3.31%
65-69	-1.10%	-2.12%	2.10%	-2.16%	-1.07%	-2.15%	2.67%	-2.55%	-1.85%	-3.06%	4.05%	-4.41%
70-74	-6.53%	-4.40%	-2.33%	-3.69%	-5.33%	-3.96%	-2.35%	-3.87%	-7.11%	-4.88%	-3.64%	-6.57%
75-79	-9.51%	-12.89%	-14.41%	-8.49%	-8.53%	-11.35%	-12.01%	-7.86%	-9.08%	-15.26%	-14.55%	-8.82%
80-84	9.13%	-4.68%	-22.98%	-30.90%	11.94%	-5.60%	-21.06%	-27.63%	10.21%	-8.31%	-20.11%	-27.71%
85+	10.41%	-3.22%	23.09%	-9.89%	9.41%	-5.69%	25.10%	-15.15%	10.04%	-8.17%	21.87%	-14.75%
SUBTOTAL	0.47%	-1.43%	0.87%	-2.42%	0.55%	-1.74%	1.07%	-3.08%	0.72%	-2.37%	1.26%	-3.78%
TOTAL		-0.50%		-0.80%		-0.60%		-1.00%		-0.80%		-1.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Hardin**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	36	59	11	16	29	48	9	12	23	37	5	7
5-9	6	0	25	40	5	0	19	31	4	0	12	19
10-14	-13	-36	6	4	-10	-30	5	3	-8	-23	3	2
15-19	-2	38	-8	-24	-1	31	-6	-18	-1	24	-4	-11
20-24	-78	-83	-2	23	-64	-67	-1	18	-49	-52	-1	11
25-29	-139	-152	-52	-52	-114	-124	-40	-40	-88	-96	-24	-25
30-34	-5	-33	-96	-105	-4	-27	-75	-81	-3	-21	-45	-50
35-39	4	12	-12	-31	3	10	-9	-24	2	8	-6	-15
40-44	-15	-9	1	5	-12	-8	1	4	-10	-6	1	3
45-49	25	3	-10	-6	20	3	-8	-4	16	2	-5	-3
50-54	-9	-7	16	2	-8	-5	12	1	-6	-4	7	1
55-59	-4	-6	-5	-4	-3	-5	-4	-3	-2	-4	-2	-2
60-64	9	-11	-3	-5	7	-9	-2	-4	6	-7	-1	-2
65-69	17	0	6	-8	13	0	4	-6	10	0	3	-4
70-74	8	-4	11	-1	6	-4	9	-1	5	-3	5	0
75-79	-10	0	6	-3	-8	0	5	-2	-7	0	3	-1
80-84	-17	-9	-6	0	-14	-8	-5	0	-11	-6	-3	0
85+	-14	-8	-23	-12	-12	-6	-18	-10	-9	-5	-11	-6
SUBTOTAL	-202	-246	-133	-161	-164	-201	-103	-125	-127	-155	-63	-76
TOTAL		-447		-294		-365		-228		-281		-139

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	4.31%	6.84%	1.33%	1.77%	3.44%	5.47%	0.99%	1.32%	2.52%	4.01%	0.57%	0.76%
5-9	0.60%	0.01%	2.83%	4.36%	0.60%	0.01%	2.17%	3.37%	0.44%	0.01%	1.27%	1.97%
10-14	-1.10%	-3.62%	0.60%	0.39%	-1.14%	-3.08%	0.58%	0.33%	-0.88%	-2.55%	0.34%	0.19%
15-19	-0.15%	3.82%	-0.68%	-2.44%	-0.12%	3.20%	-0.68%	-1.96%	-0.12%	2.64%	-0.41%	-1.19%
20-24	-7.24%	-8.50%	-0.17%	2.21%	-5.80%	-7.14%	-0.13%	1.77%	-5.69%	-5.06%	-0.10%	1.18%
25-29	-12.44%	-13.54%	-5.16%	-5.87%	-10.94%	-11.69%	-3.88%	-4.62%	-8.39%	-11.49%	-3.00%	-2.86%
30-34	-0.52%	-3.87%	-9.87%	-10.78%	-0.41%	-3.21%	-8.13%	-8.68%	-0.30%	-2.41%	-4.78%	-5.34%
35-39	0.45%	1.37%	-1.34%	-3.85%	0.36%	1.18%	-1.00%	-3.02%	0.29%	1.01%	-0.58%	-1.83%
40-44	-1.65%	-1.04%	0.17%	0.58%	-1.44%	-1.00%	0.13%	0.48%	-1.06%	-0.68%	0.08%	0.30%
45-49	2.77%	0.36%	-1.12%	-0.65%	2.47%	0.30%	-0.92%	-0.59%	1.90%	0.28%	-0.54%	-0.36%
50-54	-0.93%	-0.66%	1.72%	0.18%	-0.92%	-0.63%	1.47%	0.15%	-0.75%	-0.47%	0.89%	0.09%
55-59	-0.35%	-0.62%	-0.50%	-0.43%	-0.33%	-0.58%	-0.46%	-0.40%	-0.28%	-0.48%	-0.30%	-0.28%
60-64	1.00%	-1.19%	-0.29%	-0.47%	0.80%	-1.01%	-0.26%	-0.41%	0.74%	-0.86%	-0.18%	-0.26%
65-69	2.40%	-0.04%	0.73%	-0.89%	1.69%	-0.03%	0.56%	-0.72%	1.50%	-0.02%	0.41%	-0.51%
70-74	1.50%	-0.76%	1.99%	-0.13%	1.04%	-0.47%	1.35%	-0.10%	0.79%	-0.36%	0.94%	-0.07%
75-79	-3.07%	0.07%	1.54%	-0.65%	-1.93%	0.04%	1.02%	-0.39%	-1.31%	0.03%	0.61%	-0.24%
80-84	-6.64%	-3.03%	-2.65%	-0.02%	-4.65%	-2.22%	-1.57%	-0.01%	-3.07%	-1.37%	-0.83%	-0.01%
85+	-7.14%	-2.28%	-9.89%	-3.92%	-4.81%	-1.96%	-6.34%	-2.94%	-2.87%	-1.53%	-3.10%	-1.43%
SUBTOTAL	-1.36%	-1.64%	-0.91%	-1.08%	-1.15%	-1.37%	-0.74%	-0.86%	-0.92%	-1.08%	-0.46%	-0.54%
TOTAL		-1.50%		-1.00%		-1.26%		-0.80%		-1.00%		-0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Harrison**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	12	12	-5	-5	22	22	11	10	46	45	31	28
5-9	7	12	-11	-11	12	22	22	22	24	45	64	64
10-14	1	-3	-5	-10	2	-6	9	20	4	-11	27	59
15-19	-33	-29	0	4	-59	-52	1	-8	-120	-105	2	-25
20-24	-33	-22	31	27	-60	-40	-61	-52	-122	-81	-179	-154
25-29	0	4	28	17	0	8	-54	-34	1	16	-158	-100
30-34	10	4	-4	-7	19	8	8	13	38	16	23	38
35-39	15	4	-9	-3	27	8	18	6	54	16	53	19
40-44	9	-2	-13	-4	16	-4	25	7	33	-8	74	21
45-49	24	11	-7	3	43	20	13	-5	88	42	39	-15
50-54	24	11	-22	-11	44	19	43	22	89	39	127	64
55-59	13	1	-20	-9	24	3	39	17	50	5	116	49
60-64	19	3	-10	0	34	6	20	0	69	12	58	1
65-69	7	7	-17	-3	13	13	32	6	26	26	95	18
70-74	8	1	-4	-6	14	2	9	13	29	5	26	37
75-79	-1	0	-7	0	-1	-1	14	1	-3	-2	40	2
80-84	-7	-2	2	1	-12	-4	-3	-1	-25	-8	-9	-3
85+	-8	-3	12	4	-15	-5	-24	-8	-30	-10	-71	-25
SUBTOTAL	68	11	-62	-14	123	20	121	27	251	41	357	79
TOTAL		79		-76		143		148		292		436

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.91%	2.79%	-1.22%	-1.07%	4.68%	4.48%	2.20%	1.92%	10.01%	9.59%	7.20%	6.31%
5-9	1.39%	2.65%	-2.54%	-2.45%	2.71%	4.93%	4.34%	4.18%	4.92%	8.45%	12.76%	12.31%
10-14	0.21%	-0.69%	-0.99%	-2.16%	0.44%	-1.25%	2.06%	4.23%	0.74%	-2.28%	5.30%	10.74%
15-19	-6.50%	-5.93%	-0.07%	0.98%	-12.57%	-11.07%	0.17%	-1.93%	-26.48%	-24.65%	0.40%	-4.72%
20-24	-6.48%	-4.94%	6.80%	5.92%	-12.23%	-8.94%	-15.16%	-12.61%	-29.33%	-22.36%	-54.88%	-39.70%
25-29	0.06%	1.11%	5.83%	4.11%	0.09%	1.67%	-12.63%	-8.37%	0.27%	4.41%	-54.40%	-28.88%
30-34	2.90%	1.10%	-1.03%	-1.64%	3.75%	1.80%	1.61%	2.64%	10.30%	3.23%	6.82%	10.05%
35-39	3.91%	1.03%	-2.57%	-0.82%	7.04%	1.94%	3.55%	1.45%	11.19%	3.47%	13.27%	4.95%
40-44	1.99%	-0.49%	-3.33%	-0.87%	4.64%	-1.00%	6.28%	1.76%	6.31%	-1.98%	13.90%	4.08%
45-49	4.90%	2.49%	-1.52%	0.59%	11.99%	5.05%	3.74%	-1.30%	21.52%	10.98%	7.24%	-3.42%
50-54	4.48%	1.81%	-4.44%	-2.43%	10.31%	4.36%	10.97%	5.19%	25.15%	8.78%	26.24%	14.73%
55-59	2.09%	0.21%	-3.80%	-1.48%	5.47%	0.59%	8.94%	3.76%	12.18%	1.14%	27.79%	12.18%
60-64	3.04%	0.55%	-1.70%	-0.03%	7.29%	1.13%	4.63%	0.10%	15.84%	2.97%	14.01%	0.29%
65-69	1.55%	1.51%	-2.95%	-0.57%	2.43%	2.22%	7.30%	1.26%	6.51%	5.28%	21.27%	4.50%
70-74	2.15%	0.32%	-1.17%	-1.53%	3.17%	0.46%	1.96%	2.42%	7.44%	0.86%	7.32%	10.50%
75-79	-0.28%	-0.18%	-2.37%	-0.10%	-0.45%	-0.27%	3.72%	0.15%	-0.76%	-0.46%	12.14%	0.50%
80-84	-4.52%	-1.31%	0.99%	0.30%	-6.57%	-2.12%	-1.70%	-0.48%	-10.17%	-4.07%	-4.17%	-1.10%
85+	-5.65%	-1.69%	8.03%	2.89%	-8.06%	-3.65%	-12.78%	-5.83%	-15.71%	-7.78%	-33.82%	-14.91%
SUBTOTAL	0.89%	0.15%	-0.82%	-0.18%	1.68%	0.27%	1.66%	0.36%	3.47%	0.56%	4.91%	1.09%
TOTAL		0.52%		-0.50%		0.96%		1.00%		2.00%		3.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Henry**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	12	16	-1	7	7	9	0	4	2	3	0	-1
5-9	17	15	9	13	10	9	5	6	3	3	-1	-1
10-14	-43	-48	14	12	-25	-28	7	6	-8	-9	-1	-1
15-19	-174	-147	-34	-38	-101	-85	-16	-18	-33	-27	3	4
20-24	-113	-110	-138	-116	-65	-64	-66	-56	-21	-21	13	11
25-29	9	15	-91	-88	5	9	-44	-43	2	3	8	8
30-34	3	8	6	11	2	4	3	5	1	1	-1	-1
35-39	-2	-6	2	6	-1	-3	1	3	0	-1	0	-1
40-44	-11	-23	-1	-5	-6	-13	-1	-2	-2	-4	0	0
45-49	3	-17	-9	-18	2	-10	-4	-9	0	-3	1	2
50-54	-14	5	2	-14	-8	3	1	-7	-3	1	0	1
55-59	-19	-9	-11	3	-11	-5	-5	2	-4	-2	1	0
60-64	-6	-19	-15	-7	-4	-11	-7	-4	-1	-3	1	1
65-69	0	-7	-5	-15	0	-4	-2	-7	0	-1	0	1
70-74	-1	2	0	-6	-1	1	0	-3	0	0	0	1
75-79	7	2	-1	2	4	1	0	1	1	0	0	0
80-84	-14	-8	5	1	-8	-4	3	1	-3	-1	0	0
85+	-14	-7	-22	-12	-8	-4	-11	-6	-3	-1	2	1
SUBTOTAL	-361	-340	-288	-263	-209	-197	-139	-127	-67	-63	27	25
TOTAL		-701		-551		-405		-266		-131		52

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.43%	1.79%	-0.10%	0.85%	0.87%	1.10%	-0.05%	0.42%	0.28%	0.35%	0.01%	-0.08%
5-9	1.79%	1.73%	1.11%	1.40%	1.18%	0.99%	0.57%	0.72%	0.39%	0.33%	-0.11%	-0.14%
10-14	-4.38%	-4.94%	1.40%	1.36%	-2.88%	-3.06%	0.77%	0.65%	-0.99%	-1.00%	-0.16%	-0.13%
15-19	-16.68%	-15.15%	-3.60%	-4.10%	-10.37%	-9.54%	-1.94%	-2.08%	-3.86%	-3.21%	0.40%	0.42%
20-24	-11.12%	-11.72%	-15.91%	-14.15%	-7.33%	-7.27%	-7.65%	-6.96%	-2.60%	-2.75%	1.60%	1.27%
25-29	1.32%	2.21%	-10.14%	-10.67%	0.76%	1.25%	-5.34%	-5.25%	0.22%	0.37%	1.09%	1.00%
30-34	0.36%	0.96%	0.88%	1.56%	0.21%	0.60%	0.43%	0.74%	0.07%	0.20%	-0.08%	-0.14%
35-39	-0.21%	-0.77%	0.29%	0.77%	-0.14%	-0.49%	0.14%	0.41%	-0.04%	-0.15%	-0.03%	-0.08%
40-44	-1.28%	-2.69%	-0.17%	-0.60%	-0.80%	-1.66%	-0.09%	-0.32%	-0.26%	-0.62%	0.02%	0.06%
45-49	0.31%	-2.00%	-1.04%	-2.20%	0.20%	-1.33%	-0.54%	-1.12%	0.07%	-0.42%	0.11%	0.23%
50-54	-1.38%	0.44%	0.24%	-1.65%	-1.00%	0.33%	0.12%	-0.91%	-0.34%	0.11%	-0.03%	0.19%
55-59	-1.69%	-0.88%	-1.13%	0.34%	-1.38%	-0.68%	-0.68%	0.21%	-0.49%	-0.23%	0.14%	-0.04%
60-64	-0.68%	-1.90%	-1.46%	-0.72%	-0.40%	-1.13%	-0.99%	-0.46%	-0.16%	-0.45%	0.21%	0.10%
65-69	0.00%	-0.95%	-0.63%	-1.63%	0.00%	-0.41%	-0.31%	-0.80%	0.00%	-0.14%	0.07%	0.20%
70-74	-0.24%	0.36%	-0.01%	-0.85%	-0.09%	0.14%	0.00%	-0.31%	-0.03%	0.04%	0.00%	0.08%
75-79	1.85%	0.38%	-0.24%	0.32%	0.81%	0.18%	-0.08%	0.11%	0.20%	0.05%	0.02%	-0.02%
80-84	-5.69%	-2.05%	2.07%	0.37%	-3.21%	-1.11%	0.76%	0.15%	-0.71%	-0.31%	-0.11%	-0.02%
85+	-5.70%	-2.06%	-8.61%	-3.33%	-2.90%	-1.18%	-3.73%	-1.52%	-0.75%	-0.37%	0.53%	0.23%
SUBTOTAL	-2.59%	-2.40%	-2.12%	-1.89%	-1.57%	-1.43%	-1.07%	-0.93%	-0.53%	-0.47%	0.22%	0.19%
TOTAL		-2.49%		-2.00%		-1.50%		-1.00%		-0.50%		0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Highland**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	25	7	-1	1	20	6	2	-2	-25	-7	8	-9
5-9	31	27	5	2	25	22	-10	-3	-31	-27	-50	-14
10-14	-16	-3	7	6	-13	-3	-12	-11	16	3	-62	-54
15-19	-91	-77	-3	-1	-74	-63	6	1	93	79	32	7
20-24	-37	-37	-20	-17	-30	-30	37	32	38	38	184	156
25-29	17	20	-8	-8	14	16	15	15	-18	-20	76	75
30-34	25	14	4	4	20	12	-7	-8	-25	-14	-35	-41
35-39	29	28	5	3	24	23	-10	-6	-30	-28	-51	-29
40-44	22	9	6	6	18	8	-12	-11	-22	-10	-59	-56
45-49	30	28	5	2	24	23	-9	-4	-30	-28	-45	-19
50-54	23	22	6	6	19	18	-12	-11	-24	-22	-60	-56
55-59	21	23	5	5	17	18	-10	-9	-21	-23	-47	-44
60-64	39	24	5	5	31	20	-9	-9	-39	-24	-43	-46
65-69	19	11	8	5	15	9	-16	-10	-19	-12	-78	-49
70-74	12	5	4	2	10	4	-8	-5	-12	-6	-38	-23
75-79	6	9	3	1	5	7	-5	-2	-6	-9	-24	-11
80-84	-17	-7	1	2	-14	-5	-2	-3	17	7	-12	-17
85+	-17	-7	-7	-3	-14	-5	14	5	17	7	69	27
SUBTOTAL	120	96	25	22	98	78	-47	-41	-122	-98	-235	-203
TOTAL		217		47		176		-88		-220		-438

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.81%	0.49%	-0.06%	0.06%	1.33%	0.36%	0.11%	-0.11%	-1.68%	-0.46%	0.56%	-0.56%
5-9	2.12%	1.83%	0.39%	0.11%	1.73%	1.44%	-0.66%	-0.18%	-2.06%	-1.72%	-3.39%	-0.91%
10-14	-0.95%	-0.22%	0.45%	0.39%	-0.91%	-0.18%	-0.86%	-0.71%	1.06%	0.21%	-4.19%	-3.48%
15-19	-5.70%	-4.83%	-0.21%	-0.05%	-5.02%	-4.24%	0.47%	0.09%	6.44%	5.51%	2.10%	0.42%
20-24	-2.57%	-2.50%	-1.33%	-1.11%	-1.89%	-2.07%	2.68%	2.23%	2.79%	2.61%	12.13%	9.85%
25-29	1.57%	1.74%	-0.58%	-0.56%	0.96%	1.09%	0.98%	1.06%	-1.25%	-1.42%	5.45%	5.14%
30-34	2.01%	1.16%	0.34%	0.38%	1.46%	0.80%	-0.48%	-0.54%	-1.63%	-0.96%	-2.54%	-2.87%
35-39	2.38%	2.19%	0.44%	0.25%	2.15%	1.95%	-0.73%	-0.41%	-2.06%	-2.00%	-3.33%	-2.04%
40-44	1.66%	0.69%	0.52%	0.47%	1.46%	0.63%	-1.08%	-0.97%	-1.66%	-0.83%	-4.28%	-3.91%
45-49	2.04%	1.93%	0.36%	0.15%	1.99%	1.77%	-0.73%	-0.32%	-2.83%	-2.35%	-3.42%	-1.38%
50-54	1.61%	1.50%	0.46%	0.42%	1.49%	1.33%	-1.03%	-0.89%	-2.04%	-1.75%	-6.06%	-5.16%
55-59	1.40%	1.40%	0.36%	0.33%	1.26%	1.31%	-0.78%	-0.67%	-1.93%	-1.77%	-4.35%	-3.90%
60-64	3.19%	1.81%	0.33%	0.32%	2.45%	1.44%	-0.69%	-0.69%	-3.54%	-1.83%	-4.28%	-4.03%
65-69	1.72%	0.89%	0.76%	0.42%	1.22%	0.64%	-1.36%	-0.77%	-1.72%	-0.91%	-8.28%	-4.36%
70-74	1.50%	0.61%	0.46%	0.22%	1.09%	0.41%	-0.75%	-0.37%	-1.33%	-0.45%	-4.32%	-2.17%
75-79	1.13%	1.20%	0.46%	0.16%	0.79%	0.76%	-0.78%	-0.25%	-0.88%	-0.97%	-3.84%	-1.23%
80-84	-4.46%	-1.40%	0.34%	0.35%	-3.39%	-0.99%	-0.55%	-0.51%	3.86%	1.01%	-2.47%	-2.31%
85+	-5.35%	-1.41%	-1.95%	-0.61%	-3.18%	-1.05%	2.98%	1.01%	3.27%	1.25%	11.88%	4.07%
SUBTOTAL	0.57%	0.44%	0.12%	0.10%	0.46%	0.35%	-0.22%	-0.18%	-0.58%	-0.43%	-1.11%	-0.89%
TOTAL		0.50%		0.11%		0.40%		-0.20%		-0.50%		-1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Hocking**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	19	32	-2	3	-6	-11	4	-5	-6	-10	-2	3
5-9	54	27	10	16	-18	-9	-16	-26	-17	-9	9	15
10-14	10	5	27	13	-3	-2	-44	-22	-3	-1	25	13
15-19	-105	-97	5	2	35	32	-8	-4	34	31	5	2
20-24	-82	-65	-53	-48	27	22	86	79	26	21	-50	-46
25-29	16	23	-41	-32	-5	-8	66	52	-5	-7	-38	-30
30-34	27	35	8	12	-9	-12	-14	-19	-9	-11	8	11
35-39	49	35	13	18	-16	-12	-22	-29	-16	-11	13	17
40-44	31	16	24	17	-10	-5	-40	-28	-10	-5	23	16
45-49	21	16	15	8	-7	-5	-24	-13	-7	-5	14	8
50-54	23	10	10	8	-8	-3	-17	-13	-7	-3	10	8
55-59	32	14	11	5	-11	-5	-19	-8	-10	-5	11	5
60-64	36	10	16	7	-12	-3	-26	-12	-12	-3	15	7
65-69	19	11	18	5	-6	-4	-29	-8	-6	-4	17	5
70-74	2	2	9	5	-1	-1	-15	-9	-1	-1	9	5
75-79	-4	-7	1	1	1	2	-1	-2	1	2	1	1
80-84	-16	-6	-2	-4	5	2	4	6	5	2	-2	-4
85+	-16	-6	-16	-6	5	2	25	10	5	2	-15	-6
SUBTOTAL	116	56	55	31	-38	-19	-90	-50	-37	-18	52	29
TOTAL		172		86		-57		-140		-55		81

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.39%	3.76%	-0.28%	0.37%	-0.78%	-1.23%	0.45%	-0.60%	-0.71%	-1.11%	-0.26%	0.35%
5-9	6.13%	3.19%	1.17%	1.81%	-2.18%	-1.04%	-1.95%	-3.07%	-2.08%	-1.05%	1.06%	1.66%
10-14	1.05%	0.47%	2.88%	1.53%	-0.40%	-0.17%	-5.47%	-2.55%	-0.41%	-0.18%	3.12%	1.48%
15-19	-9.54%	-9.74%	0.49%	0.22%	3.64%	3.61%	-0.95%	-0.39%	4.46%	3.46%	0.58%	0.25%
20-24	-8.19%	-6.74%	-5.37%	-5.43%	2.80%	2.20%	8.78%	8.61%	3.24%	2.10%	-6.40%	-5.30%
25-29	2.12%	3.11%	-4.44%	-3.57%	-0.58%	-0.90%	6.67%	5.22%	-0.49%	-0.70%	-4.60%	-3.32%
30-34	3.68%	4.26%	1.11%	1.56%	-1.02%	-1.35%	-1.52%	-2.32%	-0.82%	-1.39%	0.77%	1.13%
35-39	6.17%	4.16%	1.80%	2.05%	-2.15%	-1.53%	-2.58%	-3.39%	-1.79%	-1.38%	1.23%	1.61%
40-44	3.37%	1.87%	2.97%	1.99%	-1.38%	-0.63%	-5.52%	-3.81%	-1.23%	-0.74%	2.75%	2.08%
45-49	2.22%	1.64%	1.67%	0.91%	-0.85%	-0.61%	-3.52%	-1.55%	-1.02%	-0.62%	1.87%	0.96%
50-54	2.10%	0.94%	1.10%	0.81%	-0.85%	-0.39%	-2.12%	-1.52%	-1.13%	-0.39%	1.53%	1.09%
55-59	3.17%	1.26%	1.09%	0.47%	-1.22%	-0.50%	-2.23%	-0.99%	-1.44%	-0.55%	1.77%	0.61%
60-64	3.99%	1.09%	1.64%	0.65%	-1.21%	-0.34%	-3.24%	-1.30%	-1.53%	-0.37%	2.30%	0.88%
65-69	2.56%	1.22%	2.18%	0.57%	-0.72%	-0.36%	-3.43%	-0.88%	-0.89%	-0.38%	2.60%	0.67%
70-74	0.32%	0.37%	1.48%	0.72%	-0.09%	-0.09%	-2.13%	-1.04%	-0.09%	-0.08%	1.57%	0.75%
75-79	-1.17%	-1.52%	0.19%	0.21%	0.31%	0.39%	-0.27%	-0.26%	0.27%	0.39%	0.16%	0.15%
80-84	-6.99%	-2.49%	-0.87%	-1.10%	1.69%	0.63%	1.12%	1.35%	1.43%	0.44%	-0.59%	-0.71%
85+	-8.63%	-2.00%	-7.72%	-1.96%	2.23%	0.57%	8.56%	2.51%	1.46%	0.49%	-3.87%	-1.10%
SUBTOTAL	0.83%	0.38%	0.39%	0.21%	-0.28%	-0.13%	-0.66%	-0.35%	-0.28%	-0.12%	0.40%	0.21%
TOTAL		0.60%		0.30%		-0.20%		-0.50%		-0.20%		0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Holmes**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-39	-3	11	47	-54	-4	13	55	-63	-5	15	65
5-9	11	22	-49	-2	16	31	-58	-2	18	36	-68	-2
10-14	-68	-67	12	28	-95	-94	14	34	-110	-109	17	39
15-19	-222	-187	-86	-84	-310	-261	-102	-100	-360	-304	-119	-117
20-24	-193	-168	-287	-243	-270	-234	-342	-289	-313	-271	-398	-337
25-29	-62	-74	-260	-225	-87	-103	-310	-268	-101	-120	-361	-312
30-34	-51	-20	-92	-105	-71	-28	-110	-125	-82	-32	-128	-146
35-39	-27	-9	-69	-30	-37	-13	-82	-36	-43	-15	-96	-42
40-44	-3	-31	-38	-13	-4	-43	-45	-15	-5	-50	-52	-18
45-49	21	21	-6	-40	29	29	-7	-48	34	33	-8	-56
50-54	14	9	26	24	20	13	31	29	23	15	37	34
55-59	37	31	19	13	51	43	23	16	60	50	27	18
60-64	21	21	48	40	29	30	57	47	34	34	66	55
65-69	15	18	29	29	21	25	35	34	25	30	41	40
70-74	15	-17	21	25	21	-24	25	29	25	-28	29	34
75-79	20	22	21	-21	27	31	24	-25	32	36	28	-29
80-84	2	8	26	27	3	11	31	33	3	13	36	38
85+	3	8	8	23	4	11	9	27	4	13	11	31
SUBTOTAL	-505	-416	-666	-508	-706	-581	-792	-605	-819	-674	-923	-705
TOTAL		-921		-1,174		-1,286		-1,397		-1,493		-1,628

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-2.02%	-0.15%	0.55%	2.22%	-2.77%	-0.21%	0.64%	2.60%	-3.25%	-0.25%	0.79%	3.17%
5-9	0.56%	1.11%	-2.60%	-0.08%	0.79%	1.45%	-3.07%	-0.10%	0.90%	1.76%	-3.62%	-0.12%
10-14	-3.27%	-3.29%	0.59%	1.39%	-5.16%	-4.67%	0.71%	1.55%	-5.97%	-4.95%	0.81%	1.76%
15-19	-10.68%	-9.50%	-4.29%	-4.27%	-15.14%	-12.76%	-5.89%	-5.24%	-17.72%	-16.72%	-6.90%	-6.06%
20-24	-10.28%	-9.71%	-15.53%	-13.64%	-14.14%	-12.40%	-19.76%	-16.20%	-19.24%	-18.16%	-23.94%	-17.79%
25-29	-4.21%	-5.22%	-15.51%	-14.47%	-5.62%	-6.72%	-19.03%	-16.23%	-7.34%	-8.66%	-27.63%	-20.29%
30-34	-3.98%	-1.53%	-6.52%	-7.87%	-5.01%	-2.09%	-7.53%	-8.77%	-6.25%	-2.47%	-10.06%	-10.66%
35-39	-2.17%	-0.75%	-5.70%	-2.40%	-2.85%	-1.03%	-6.19%	-2.81%	-3.25%	-1.17%	-7.86%	-3.16%
40-44	-0.27%	-2.61%	-3.14%	-1.10%	-0.37%	-3.54%	-3.55%	-1.29%	-0.40%	-4.25%	-4.07%	-1.42%
45-49	1.86%	1.82%	-0.52%	-3.51%	2.58%	2.49%	-0.61%	-4.11%	2.85%	2.99%	-0.66%	-4.74%
50-54	1.14%	0.77%	2.35%	2.15%	1.85%	1.21%	2.76%	2.49%	2.14%	1.28%	3.05%	2.86%
55-59	3.24%	2.69%	1.62%	1.10%	4.70%	3.80%	2.21%	1.46%	5.36%	4.57%	2.56%	1.68%
60-64	2.20%	2.00%	4.34%	3.54%	2.59%	2.54%	5.30%	4.22%	3.43%	2.93%	6.02%	4.75%
65-69	1.88%	2.04%	3.30%	2.91%	2.05%	2.37%	3.29%	3.13%	2.42%	2.60%	4.34%	4.04%
70-74	2.67%	-2.70%	2.91%	2.94%	2.69%	-2.56%	2.70%	2.90%	2.62%	-2.69%	3.19%	3.35%
75-79	4.97%	4.52%	4.50%	-3.91%	4.75%	4.21%	3.87%	-3.15%	4.31%	4.74%	3.78%	-3.31%
80-84	0.74%	2.43%	9.00%	7.58%	0.85%	3.04%	7.36%	6.03%	0.71%	2.22%	6.73%	5.84%
85+	1.44%	3.19%	3.72%	9.23%	1.63%	4.09%	3.61%	9.90%	1.40%	4.34%	3.09%	8.18%
SUBTOTAL	-2.32%	-1.89%	-2.98%	-2.23%	-3.13%	-2.48%	-3.49%	-2.54%	-3.63%	-2.80%	-4.13%	-2.92%
TOTAL		-2.10%		-2.60%		-2.80%		-3.00%		-3.20%		-3.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Huron**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-29	-22	-22	-27	-31	-23	-16	-20	-13	-10	-4	-5
5-9	50	0	-33	-25	54	1	-24	-18	24	0	-6	-5
10-14	-54	-92	61	1	-58	-99	44	1	-25	-43	12	0
15-19	-371	-304	-66	-110	-399	-326	-48	-79	-174	-142	-13	-21
20-24	-206	-155	-441	-358	-222	-167	-318	-259	-96	-73	-85	-69
25-29	14	15	-231	-173	15	16	-167	-125	6	7	-45	-33
30-34	-1	-13	24	23	-2	-14	18	17	-1	-6	5	5
35-39	-7	0	-3	-17	-7	0	-2	-12	-3	0	-1	-3
40-44	42	-24	-8	1	45	-26	-6	1	20	-11	-2	0
45-49	-2	0	51	-29	-2	0	37	-21	-1	0	10	-6
50-54	-5	19	-4	2	-5	20	-3	1	-2	9	-1	0
55-59	-1	-2	-6	22	-1	-3	-4	16	0	-1	-1	4
60-64	6	-4	-1	-4	6	-5	0	-3	3	-2	0	-1
65-69	16	5	7	-5	17	5	5	-4	7	2	1	-1
70-74	16	21	18	6	17	22	13	4	7	10	4	1
75-79	3	-12	18	25	3	-13	13	18	1	-6	3	5
80-84	-35	-14	3	-15	-37	-15	2	-11	-16	-7	1	-3
85+	-37	-15	-83	-33	-40	-16	-60	-24	-17	-7	-16	-6
SUBTOTAL	-601	-598	-714	-716	-646	-643	-516	-517	-281	-280	-138	-138
TOTAL		-1200		-1430		-1289		-1033		-561		-276

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.48%	-1.07%	-1.11%	-1.33%	-1.63%	-1.18%	-0.85%	-1.02%	-0.75%	-0.55%	-0.23%	-0.28%
5-9	2.46%	0.02%	-1.75%	-1.24%	2.75%	0.02%	-1.30%	-0.92%	1.26%	0.01%	-0.37%	-0.26%
10-14	-2.55%	-4.48%	2.93%	0.07%	-3.08%	-5.05%	2.20%	0.05%	-1.37%	-2.12%	0.63%	0.01%
15-19	-15.82%	-13.66%	-3.23%	-5.61%	-18.59%	-16.46%	-2.64%	-4.27%	-8.46%	-7.97%	-0.71%	-1.13%
20-24	-9.17%	-7.55%	-22.39%	-18.70%	-11.22%	-9.04%	-18.29%	-15.67%	-5.49%	-5.22%	-4.54%	-3.67%
25-29	0.88%	0.93%	-11.38%	-9.11%	0.97%	1.01%	-9.58%	-7.45%	0.45%	0.44%	-2.70%	-1.96%
30-34	-0.09%	-0.80%	1.55%	1.48%	-0.09%	-0.83%	1.15%	1.08%	-0.04%	-0.39%	0.33%	0.33%
35-39	-0.38%	0.01%	-0.15%	-1.01%	-0.45%	0.01%	-0.11%	-0.71%	-0.20%	0.01%	-0.03%	-0.21%
40-44	2.30%	-1.33%	-0.46%	0.05%	2.71%	-1.62%	-0.37%	0.04%	1.14%	-0.72%	-0.10%	0.01%
45-49	-0.11%	0.02%	2.74%	-1.62%	-0.14%	0.03%	2.17%	-1.33%	-0.07%	0.01%	0.57%	-0.34%
50-54	-0.22%	0.83%	-0.23%	0.08%	-0.28%	1.15%	-0.19%	0.06%	-0.13%	0.50%	-0.06%	0.02%
55-59	-0.03%	-0.11%	-0.27%	1.01%	-0.04%	-0.13%	-0.23%	0.94%	-0.02%	-0.06%	-0.07%	0.29%
60-64	0.33%	-0.23%	-0.03%	-0.17%	0.34%	-0.23%	-0.03%	-0.14%	0.17%	-0.12%	-0.01%	-0.04%
65-69	1.04%	0.30%	0.44%	-0.29%	0.95%	0.27%	0.30%	-0.19%	0.49%	0.12%	0.09%	-0.07%
70-74	1.67%	1.84%	1.50%	0.43%	1.26%	1.42%	0.92%	0.25%	0.52%	0.57%	0.29%	0.08%
75-79	0.39%	-1.47%	2.38%	2.56%	0.31%	-1.12%	1.21%	1.33%	0.11%	-0.42%	0.31%	0.34%
80-84	-8.29%	-2.25%	0.55%	-2.59%	-7.04%	-2.11%	0.29%	-1.33%	-2.19%	-0.80%	0.07%	-0.29%
85+	-8.08%	-2.54%	-16.76%	-5.66%	-7.18%	-2.86%	-9.69%	-3.88%	-2.29%	-1.17%	-1.78%	-0.77%
SUBTOTAL	-2.03%	-1.97%	-2.43%	-2.37%	-2.24%	-2.16%	-1.83%	-1.77%	-1.02%	-0.98%	-0.51%	-0.49%
TOTAL		-2.00%		-2.40%		-2.20%		-1.80%		-1.00%		-0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Jackson**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	-1	7	4	0	-1	7	4	0	-1	7	4
5-9	-5	-4	-1	-3	-5	-4	-1	-3	-5	-4	-1	-3
10-14	11	12	-9	-8	11	12	-9	-8	11	12	-10	-8
15-19	31	21	22	24	31	21	22	24	31	21	22	24
20-24	18	6	60	40	18	6	61	41	18	6	62	41
25-29	-2	-1	32	10	-2	-1	33	10	-2	-1	33	10
30-34	0	1	-6	-3	0	1	-6	-3	0	2	-6	-4
35-39	0	2	1	3	0	2	1	3	0	2	1	3
40-44	-1	1	1	4	-1	1	1	4	-1	1	1	4
45-49	-3	0	-3	2	-3	0	-3	2	-3	0	-3	2
50-54	-2	1	-5	1	-2	1	-5	1	-2	1	-5	1
55-59	1	3	-3	2	1	3	-3	2	1	3	-3	2
60-64	1	2	3	5	1	2	3	5	1	2	3	5
65-69	0	-1	2	3	0	-1	2	3	0	-1	2	3
70-74	-3	-3	0	-1	-3	-3	0	-1	-3	-3	0	-1
75-79	-2	-4	-7	-6	-2	-4	-7	-6	-2	-4	-7	-6
80-84	6	3	-4	-8	7	3	-4	-8	7	3	-4	-8
85+	7	3	26	12	7	3	27	13	8	4	27	13
SUBTOTAL	58	41	117	82	59	41	119	83	60	42	120	84
TOTAL		99		199		101		202		101		204

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.01%	-0.11%	0.66%	0.38%	-0.01%	-0.10%	0.63%	0.36%	-0.01%	-0.10%	0.63%	0.36%
5-9	-0.41%	-0.37%	-0.06%	-0.25%	-0.43%	-0.34%	-0.05%	-0.23%	-0.41%	-0.33%	-0.05%	-0.23%
10-14	0.92%	1.10%	-0.84%	-0.73%	1.03%	1.09%	-0.86%	-0.68%	0.92%	1.05%	-0.82%	-0.65%
15-19	2.60%	1.82%	1.89%	2.23%	2.82%	2.02%	2.12%	2.21%	2.91%	1.90%	1.89%	1.98%
20-24	1.60%	0.53%	5.02%	3.48%	1.55%	0.56%	5.44%	3.84%	1.73%	0.56%	5.59%	3.56%
25-29	-0.20%	-0.15%	2.90%	0.86%	-0.16%	-0.12%	2.81%	0.90%	-0.17%	-0.13%	3.11%	0.89%
30-34	0.04%	0.15%	-0.61%	-0.37%	0.03%	0.13%	-0.47%	-0.29%	0.03%	0.13%	-0.51%	-0.32%
35-39	0.03%	0.19%	0.11%	0.32%	0.04%	0.21%	0.09%	0.28%	0.03%	0.17%	0.09%	0.29%
40-44	-0.13%	0.12%	0.07%	0.36%	-0.16%	0.13%	0.07%	0.40%	-0.13%	0.14%	0.06%	0.32%
45-49	-0.26%	0.04%	-0.28%	0.22%	-0.29%	0.04%	-0.33%	0.25%	-0.32%	0.04%	-0.27%	0.22%
50-54	-0.15%	0.08%	-0.53%	0.06%	-0.17%	0.09%	-0.58%	0.07%	-0.20%	0.10%	-0.65%	0.07%
55-59	0.12%	0.22%	-0.29%	0.17%	0.16%	0.27%	-0.33%	0.19%	0.17%	0.27%	-0.39%	0.21%
60-64	0.10%	0.14%	0.29%	0.45%	0.12%	0.15%	0.36%	0.56%	0.14%	0.17%	0.39%	0.61%
65-69	-0.02%	-0.05%	0.22%	0.27%	-0.01%	-0.05%	0.26%	0.30%	-0.02%	-0.06%	0.30%	0.33%
70-74	-0.61%	-0.45%	-0.06%	-0.15%	-0.46%	-0.35%	-0.06%	-0.13%	-0.53%	-0.34%	-0.07%	-0.16%
75-79	-0.59%	-0.83%	-1.74%	-1.12%	-0.46%	-0.61%	-1.31%	-0.88%	-0.43%	-0.57%	-1.50%	-0.96%
80-84	2.76%	0.86%	-1.60%	-2.28%	2.61%	0.76%	-1.23%	-1.67%	1.94%	0.65%	-1.15%	-1.50%
85+	3.52%	1.07%	10.21%	4.01%	2.50%	1.16%	8.38%	3.89%	2.00%	1.05%	6.50%	3.11%
SUBTOTAL	0.36%	0.24%	0.73%	0.48%	0.36%	0.24%	0.73%	0.48%	0.36%	0.24%	0.73%	0.48%
TOTAL		0.30%		0.60%		0.30%		0.60%		0.30%		0.60%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Jefferson**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	101	67	-11	14	33	22	3	-4	-65	-43	15	-19
5-9	50	117	72	48	16	38	-20	-13	-32	-76	-99	-66
10-14	-12	-48	36	85	-4	-16	-10	-23	8	31	-50	-116
15-19	-401	-172	-9	-34	-131	-56	2	9	260	111	12	47
20-24	-444	-342	-288	-124	-146	-112	78	33	287	221	397	170
25-29	2	-20	-320	-246	1	-6	87	66	-1	13	441	339
30-34	74	1	0	-15	24	0	0	4	-48	-1	0	21
35-39	107	35	53	1	35	12	-14	0	-69	-23	-74	-1
40-44	152	54	77	25	50	18	-21	-7	-98	-35	-106	-35
45-49	106	22	110	39	35	7	-30	-10	-69	-14	-151	-53
50-54	104	-29	77	16	34	-10	-21	-4	-67	19	-106	-22
55-59	22	10	75	-21	7	3	-20	6	-14	-7	-104	29
60-64	83	25	16	7	27	8	-4	-2	-54	-16	-22	-10
65-69	11	-38	60	18	4	-13	-16	-5	-7	25	-82	-25
70-74	49	-9	8	-27	16	-3	-2	7	-32	6	-12	38
75-79	-15	-29	35	-6	-5	-10	-10	-29	9	19	-48	9
80-84	-138	-165	-10	-21	-45	-54	3	6	89	107	14	29
85+	-137	-163	-198	-237	-45	-54	54	64	89	106	273	326
SUBTOTAL	-285	-683	-217	-479	-94	-224	59	129	185	442	299	660
TOTAL		-969		-696		-318		188		627		959

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	5.28%	3.34%	-0.52%	0.65%	1.62%	1.02%	0.13%	-0.16%	-2.67%	-1.69%	0.52%	-0.65%
5-9	2.84%	6.58%	3.60%	2.33%	0.79%	1.77%	-0.94%	-0.60%	-1.45%	-3.54%	-4.19%	-2.63%
10-14	-0.67%	-2.59%	2.00%	4.44%	-0.20%	-0.74%	-0.47%	-1.03%	0.39%	1.41%	-2.28%	-5.22%
15-19	-19.33%	-8.50%	-0.47%	-1.89%	-7.21%	-2.84%	0.12%	0.44%	12.68%	5.31%	0.59%	2.15%
20-24	-20.86%	-16.35%	-17.29%	-6.68%	-7.95%	-6.38%	4.62%	1.74%	14.00%	11.29%	17.27%	7.42%
25-29	0.12%	-1.00%	-19.10%	-14.12%	0.05%	-0.37%	5.16%	4.06%	-0.08%	0.74%	18.96%	14.69%
30-34	4.36%	0.08%	0.00%	-0.79%	1.81%	0.03%	0.00%	0.24%	-2.75%	-0.05%	0.00%	1.07%
35-39	6.51%	1.99%	3.05%	0.06%	2.06%	0.61%	-1.07%	-0.02%	-5.18%	-1.54%	-4.39%	-0.08%
40-44	8.04%	2.71%	4.52%	1.42%	2.84%	1.09%	-1.23%	-0.36%	-7.59%	-1.85%	-8.62%	-2.10%
45-49	5.30%	1.06%	5.53%	1.93%	2.01%	0.40%	-1.69%	-0.65%	-4.24%	-0.88%	-13.01%	-3.80%
50-54	4.50%	-1.17%	3.79%	0.78%	1.70%	-0.48%	-1.23%	-0.25%	-4.08%	1.10%	-7.09%	-1.21%
55-59	0.83%	0.38%	3.26%	-0.88%	0.36%	0.17%	-1.04%	0.30%	-0.89%	-0.35%	-6.86%	1.90%
60-64	3.30%	0.95%	0.67%	0.28%	1.26%	0.36%	-0.24%	-0.11%	-3.07%	-0.87%	-1.55%	-0.64%
65-69	0.55%	-1.69%	2.63%	0.73%	0.17%	-0.51%	-0.84%	-0.23%	-0.46%	1.18%	-5.54%	-1.48%
70-74	3.68%	-0.55%	0.51%	-1.42%	0.86%	-0.13%	-0.13%	0.35%	-2.09%	0.27%	-0.92%	2.47%
75-79	-1.43%	-2.19%	3.39%	-0.49%	-0.38%	-0.61%	-0.67%	0.10%	0.74%	1.07%	-4.34%	0.59%
80-84	-20.92%	-16.68%	-1.53%	-2.23%	-6.29%	-5.74%	0.33%	0.51%	9.52%	9.48%	1.64%	2.27%
85+	-18.74%	-12.94%	-30.55%	-21.44%	-6.94%	-5.21%	7.23%	5.99%	9.35%	9.33%	22.75%	20.35%
SUBTOTAL	-0.89%	-1.98%	-0.69%	-1.42%	-0.31%	-0.68%	0.20%	0.40%	0.62%	1.35%	0.99%	1.96%
TOTAL		-1.46%		-1.07%		-0.50%		0.30%		1.00%		1.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Knox**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	114	133	29	21	143	167	40	29	169	198	48	34
5-9	180	201	103	120	226	252	141	165	268	299	168	197
10-14	42	71	161	180	53	89	222	247	62	105	264	293
15-19	-206	-104	34	60	-258	-130	47	82	-306	-155	56	98
20-24	-175	-97	-188	-96	-219	-122	-258	-132	-259	-144	-306	-157
25-29	160	128	-154	-86	201	160	-211	-118	238	189	-251	-140
30-34	140	143	149	118	175	180	205	162	207	213	244	193
35-39	136	112	123	127	170	141	169	175	201	167	201	208
40-44	129	73	120	99	162	91	165	136	192	108	196	161
45-49	109	115	114	64	136	144	157	88	162	171	187	104
50-54	95	130	96	103	119	163	132	141	141	193	157	168
55-59	96	96	84	116	120	120	115	159	143	142	137	189
60-64	94	82	85	84	118	102	117	115	140	121	139	137
65-69	62	60	83	72	77	75	115	99	92	89	136	118
70-74	56	39	54	52	70	49	74	72	83	59	88	86
75-79	32	52	50	35	40	65	68	47	48	77	81	56
80-84	-20	16	28	46	-24	21	38	64	-29	24	46	76
85+	-21	16	-37	28	-27	20	-51	38	-32	24	-60	45
SUBTOTAL	1,024	1,266	936	1,142	1,283	1,586	1,286	1,568	1,521	1,880	1,529	1,866
TOTAL		2,290		2,078		2,869		2,854		3,401		3,395

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	7.15%	8.01%	1.69%	1.16%	8.01%	8.98%	2.09%	1.43%	8.73%	9.78%	2.34%	1.60%
5-9	9.16%	10.94%	6.02%	6.71%	12.83%	13.76%	7.34%	8.18%	13.66%	13.65%	7.97%	8.87%
10-14	2.04%	3.52%	7.50%	8.82%	2.91%	4.63%	11.14%	11.85%	3.02%	4.51%	11.81%	12.57%
15-19	-9.67%	-5.20%	1.64%	2.89%	-11.20%	-5.91%	2.53%	4.12%	-13.89%	-7.45%	2.64%	4.28%
20-24	-8.51%	-5.02%	-9.82%	-5.06%	-10.39%	-5.71%	-12.68%	-6.34%	-13.75%	-7.42%	-16.28%	-7.24%
25-29	10.43%	7.52%	-8.23%	-4.68%	11.72%	8.89%	-11.25%	-5.88%	13.50%	10.03%	-15.53%	-7.27%
30-34	9.14%	9.23%	8.83%	6.50%	10.24%	10.34%	10.76%	8.32%	12.50%	10.10%	12.23%	9.09%
35-39	8.17%	7.01%	7.46%	7.57%	9.32%	7.34%	9.07%	9.20%	9.63%	8.03%	10.88%	10.04%
40-44	7.97%	4.23%	6.83%	5.80%	9.32%	5.08%	8.45%	6.64%	9.64%	4.98%	8.73%	7.19%
45-49	5.97%	6.26%	6.66%	3.60%	7.39%	8.10%	8.43%	4.70%	7.78%	8.74%	8.72%	4.87%
50-54	4.75%	6.33%	5.16%	5.37%	6.75%	9.04%	6.91%	7.49%	7.25%	9.55%	7.26%	7.38%
55-59	4.53%	4.24%	4.17%	5.47%	6.42%	6.15%	6.38%	8.35%	7.30%	6.90%	6.84%	9.26%
60-64	5.22%	4.19%	4.16%	3.77%	6.10%	4.85%	6.34%	5.89%	7.88%	5.84%	7.17%	6.90%
65-69	4.16%	3.59%	4.92%	3.81%	4.05%	3.47%	6.24%	4.80%	5.22%	4.10%	7.96%	6.10%
70-74	5.17%	3.27%	4.19%	3.51%	4.74%	2.91%	4.48%	3.72%	5.13%	2.93%	5.73%	4.88%
75-79	4.46%	5.92%	5.92%	3.41%	4.10%	5.16%	5.98%	3.33%	3.77%	5.23%	6.47%	3.59%
80-84	-4.22%	2.59%	5.72%	6.70%	-4.24%	2.65%	5.79%	6.45%	-3.69%	2.34%	5.36%	5.95%
85+	-4.66%	2.46%	-7.52%	4.41%	-4.93%	3.03%	-8.50%	5.40%	-4.54%	3.20%	-7.60%	4.77%
SUBTOTAL	3.64%	4.34%	3.23%	3.76%	4.33%	5.05%	4.20%	4.78%	4.84%	5.53%	4.71%	5.27%
TOTAL		4.00%		3.50%		4.70%		4.50%		5.20%		5.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Lake**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-207	-207	-33	-153	-308	-309	-41	-191	-411	-413	-49	-228
5-9	-208	-131	-418	-444	-310	-196	-521	-554	-413	-261	-624	-663
10-14	240	273	-499	-353	358	407	-622	-440	478	544	-745	-527
15-19	827	768	375	471	1,233	1,146	468	588	1,644	1,528	560	704
20-24	212	72	1,721	1,624	316	107	2,148	2,027	421	143	2,572	2,428
25-29	-402	-380	775	477	-599	-566	967	595	-799	-756	1,159	713
30-34	-68	-81	-640	-657	-101	-121	-798	-820	-134	-161	-956	-982
35-39	-19	-45	-266	-297	-28	-67	-332	-370	-37	-89	-398	-443
40-44	-58	8	-92	-150	-87	11	-115	-188	-116	15	-138	-225
45-49	-34	-69	-135	-16	-51	-102	-169	-20	-68	-137	-202	-24
50-54	13	9	-96	-140	19	14	-120	-175	26	18	-143	-209
55-59	56	67	6	-11	83	100	7	-13	111	133	9	-16
60-64	66	19	112	131	99	28	140	163	132	38	168	195
65-69	-10	-67	155	65	-15	-99	193	81	-20	-132	231	96
70-74	-112	-108	12	-119	-167	-161	15	-148	-223	-215	18	-178
75-79	-59	-130	-220	-239	-88	-194	-275	-298	-117	-259	-329	-357
80-84	146	9	-163	-308	217	14	-203	-385	290	19	-243	-461
85+	76	-13	513	-89	113	-20	640	-111	151	-26	766	-133
SUBTOTAL	459	-6	1,108	-208	684	-9	1,383	-259	913	-12	1,656	-311
TOTAL		453		900		675		1,123		901		1,346

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-3.55%	-3.41%	-0.56%	-2.53%	-4.69%	-4.50%	-0.58%	-2.60%	-5.50%	-5.27%	-0.68%	-3.05%
5-9	-3.21%	-2.14%	-7.45%	-7.55%	-5.39%	-3.33%	-8.33%	-8.45%	-5.92%	-4.35%	-8.84%	-8.95%
10-14	3.35%	3.99%	-7.96%	-5.88%	6.90%	7.51%	-11.46%	-7.74%	8.33%	10.36%	-11.37%	-7.66%
15-19	10.86%	10.46%	5.07%	6.62%	21.42%	20.32%	8.45%	10.08%	34.27%	23.81%	9.04%	10.76%
20-24	2.85%	1.04%	20.48%	20.06%	4.08%	1.41%	30.87%	29.94%	7.05%	1.62%	40.10%	35.91%
25-29	-6.86%	-6.59%	10.20%	6.87%	-5.96%	-5.83%	12.09%	7.77%	-8.83%	-9.15%	18.22%	10.90%
30-34	-1.06%	-1.28%	-11.79%	-12.25%	-1.21%	-1.64%	-8.48%	-9.00%	-1.51%	-1.95%	-11.65%	-12.28%
35-39	-0.29%	-0.71%	-4.26%	-4.78%	-0.59%	-1.43%	-4.07%	-5.12%	-0.44%	-1.30%	-4.57%	-5.53%
40-44	-0.86%	0.11%	-1.46%	-2.40%	-1.47%	0.19%	-2.46%	-4.09%	-1.50%	0.34%	-1.64%	-2.77%
45-49	-0.44%	-0.86%	-2.05%	-0.23%	-0.84%	-1.69%	-2.94%	-0.34%	-1.52%	-2.35%	-2.70%	-0.35%
50-54	0.15%	0.10%	-1.28%	-1.80%	0.31%	0.20%	-2.03%	-2.97%	0.48%	0.32%	-3.35%	-5.03%
55-59	0.61%	0.69%	0.07%	-0.12%	1.17%	1.33%	0.12%	-0.20%	1.99%	2.03%	0.17%	-0.28%
60-64	0.86%	0.23%	1.29%	1.38%	1.25%	0.33%	2.05%	2.23%	2.29%	0.50%	3.12%	3.55%
65-69	-0.16%	-0.95%	2.20%	0.83%	-0.19%	-1.11%	2.67%	1.01%	-0.32%	-1.64%	4.34%	1.63%
70-74	-2.58%	-2.08%	0.23%	-1.95%	-2.78%	-2.31%	0.22%	-1.91%	-3.58%	-2.81%	0.34%	-2.96%
75-79	-2.14%	-3.45%	-6.75%	-5.69%	-2.17%	-3.93%	-6.09%	-5.31%	-2.28%	-4.87%	-7.11%	-6.27%
80-84	7.22%	0.35%	-8.56%	-11.55%	10.14%	0.49%	-7.27%	-11.05%	9.72%	0.61%	-6.87%	-10.39%
85+	3.50%	-0.39%	19.43%	-2.71%	3.86%	-0.66%	19.77%	-3.52%	3.90%	-0.86%	17.53%	-3.45%
SUBTOTAL	0.42%	-0.01%	1.01%	-0.18%	0.62%	-0.01%	1.25%	-0.23%	0.82%	-0.01%	1.50%	-0.27%
TOTAL		0.20%		0.40%		0.30%		0.50%		0.40%		0.60%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Lawrence**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	-1	7	4	0	2	4	3	0	2	4	3
5-9	-3	-2	-1	-3	6	5	0	-2	9	7	0	-2
10-14	7	7	-9	-7	-13	-15	-6	-5	-20	-22	-6	-5
15-19	19	13	20	22	-38	-26	13	15	-57	-39	13	15
20-24	11	4	56	37	-22	-8	37	25	-33	-11	37	25
25-29	-1	-1	30	9	2	2	20	6	4	3	20	6
30-34	0	1	-5	-3	0	-2	-4	-2	-1	-3	-4	-2
35-39	0	1	1	3	0	-2	1	2	-1	-4	1	2
40-44	-1	1	1	3	2	-2	0	2	3	-2	0	2
45-49	-2	0	-3	2	3	0	-2	1	5	-1	-2	1
50-54	-1	1	-5	1	2	-1	-3	0	3	-2	-3	0
55-59	1	2	-3	2	-2	-3	-2	1	-3	-5	-2	1
60-64	1	1	3	5	-1	-2	2	3	-2	-3	2	3
65-69	0	0	2	3	0	1	1	2	0	1	1	2
70-74	-2	-2	0	-1	4	4	0	-1	6	6	0	-1
75-79	-1	-2	-6	-6	3	5	-4	-4	4	7	-4	-4
80-84	4	2	-4	-7	-8	-4	-2	-5	-12	-5	-2	-5
85+	5	2	25	11	-9	-4	16	8	-14	-6	16	8
SUBTOTAL	36	25	109	76	-72	-51	72	50	-109	-76	73	51
TOTAL		62		184		-123		123		-185		123

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.00%	-0.04%	0.34%	0.20%	0.01%	0.07%	0.20%	0.12%	0.01%	0.10%	0.19%	0.11%
5-9	-0.15%	-0.13%	-0.03%	-0.13%	0.29%	0.24%	-0.02%	-0.08%	0.40%	0.33%	-0.02%	-0.07%
10-14	0.31%	0.38%	-0.44%	-0.38%	-0.71%	-0.75%	-0.29%	-0.23%	-0.93%	-1.05%	-0.26%	-0.21%
15-19	0.89%	0.65%	0.97%	1.15%	-1.94%	-1.39%	0.73%	0.77%	-2.90%	-2.01%	0.65%	0.68%
20-24	0.54%	0.19%	2.62%	1.87%	-1.06%	-0.39%	1.95%	1.36%	-1.81%	-0.61%	1.96%	1.24%
25-29	-0.07%	-0.05%	1.45%	0.45%	0.11%	0.09%	0.97%	0.31%	0.18%	0.14%	1.12%	0.32%
30-34	0.01%	0.05%	-0.32%	-0.19%	-0.02%	-0.09%	-0.16%	-0.11%	-0.03%	-0.14%	-0.18%	-0.12%
35-39	0.01%	0.06%	0.05%	0.16%	-0.03%	-0.14%	0.03%	0.10%	-0.03%	-0.18%	0.03%	0.10%
40-44	-0.04%	0.04%	0.04%	0.18%	0.10%	-0.09%	0.03%	0.14%	0.13%	-0.15%	0.02%	0.11%
45-49	-0.08%	0.01%	-0.14%	0.11%	0.21%	-0.03%	-0.11%	0.08%	0.34%	-0.04%	-0.09%	0.08%
50-54	-0.05%	0.03%	-0.25%	0.03%	0.11%	-0.06%	-0.21%	0.02%	0.20%	-0.10%	-0.23%	0.03%
55-59	0.04%	0.07%	-0.14%	0.08%	-0.10%	-0.17%	-0.11%	0.06%	-0.18%	-0.26%	-0.13%	0.07%
60-64	0.04%	0.05%	0.15%	0.22%	-0.08%	-0.09%	0.11%	0.17%	-0.14%	-0.16%	0.14%	0.20%
65-69	-0.01%	-0.02%	0.12%	0.14%	0.01%	0.03%	0.09%	0.09%	0.02%	0.05%	0.10%	0.11%
70-74	-0.17%	-0.14%	-0.03%	-0.07%	0.31%	0.24%	-0.02%	-0.04%	0.50%	0.34%	-0.02%	-0.05%
75-79	-0.16%	-0.24%	-0.72%	-0.52%	0.28%	0.40%	-0.43%	-0.30%	0.40%	0.58%	-0.45%	-0.30%
80-84	0.81%	0.27%	-0.63%	-0.98%	-1.37%	-0.47%	-0.37%	-0.54%	-1.83%	-0.62%	-0.35%	-0.50%
85+	0.95%	0.31%	4.30%	1.65%	-1.36%	-0.59%	2.28%	1.01%	-1.72%	-0.84%	1.99%	0.87%
SUBTOTAL	0.12%	0.08%	0.36%	0.24%	-0.24%	-0.16%	0.24%	0.16%	-0.36%	-0.24%	0.24%	0.16%
TOTAL		0.10%		0.30%		-0.20%		0.20%		-0.30%		0.20%

Prepared by:
Dr. Jian He, State Demographer
Research Office
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Licking**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	295	268	118	74	409	371	151	95	490	444	192	121
5-9	418	449	321	292	580	623	412	376	694	745	523	476
10-14	207	159	450	485	287	221	578	623	343	264	733	790
15-19	-549	-485	214	160	-761	-673	275	206	-910	-805	348	261
20-24	-255	-133	-610	-539	-354	-184	-784	-692	-423	-220	-994	-878
25-29	458	522	-262	-130	634	724	-337	-167	759	867	-427	-211
30-34	568	534	511	579	787	741	657	743	942	887	833	942
35-39	425	400	609	570	590	554	783	733	706	663	992	929
40-44	344	318	449	422	477	440	577	542	571	527	732	688
45-49	264	265	365	337	366	367	469	432	438	440	595	548
50-54	263	202	280	281	365	280	359	361	437	336	455	458
55-59	133	120	281	214	184	166	361	275	221	199	458	348
60-64	51	91	138	125	71	127	177	161	85	152	224	204
65-69	62	86	52	97	86	120	67	124	103	143	85	158
70-74	84	90	67	92	117	125	86	118	140	149	109	150
75-79	39	95	91	96	54	132	117	124	65	158	148	157
80-84	-56	38	40	102	-78	52	52	131	-93	63	65	166
85+	-61	37	-126	77	-84	51	-162	99	-101	62	-206	125
SUBTOTAL	2,691	3,057	2,987	3,335	3,731	4,238	3,837	4,285	4,465	5,072	4,865	5,432
TOTAL		5,748		6,323		7,969		8,122		9,536		10,297

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	6.24%	5.43%	2.34%	1.41%	8.04%	7.01%	2.76%	1.67%	9.22%	8.03%	3.42%	2.07%
5-9	7.68%	8.76%	6.39%	5.63%	11.26%	11.72%	7.51%	6.63%	12.34%	12.34%	9.02%	7.97%
10-14	3.51%	2.92%	7.68%	8.70%	5.37%	4.02%	10.10%	10.50%	5.82%	4.03%	11.62%	12.09%
15-19	-9.00%	-8.28%	3.52%	2.87%	-12.11%	-11.13%	4.91%	3.62%	-14.51%	-13.66%	5.61%	4.15%
20-24	-4.40%	-2.46%	-11.06%	-10.05%	-5.65%	-3.21%	-14.27%	-12.91%	-7.24%	-4.72%	-18.62%	-15.33%
25-29	11.18%	12.38%	-4.76%	-2.47%	13.02%	15.05%	-5.74%	-3.01%	16.23%	16.13%	-7.93%	-3.74%
30-34	12.90%	11.43%	11.32%	12.25%	15.11%	14.53%	12.01%	13.49%	17.16%	14.18%	15.43%	17.14%
35-39	9.29%	8.31%	12.37%	10.98%	11.84%	10.49%	13.17%	12.59%	11.63%	10.12%	15.56%	14.94%
40-44	6.53%	5.80%	9.09%	8.18%	8.73%	7.70%	10.49%	9.37%	8.60%	8.33%	10.93%	10.06%
45-49	4.75%	4.51%	6.62%	5.88%	6.92%	6.65%	8.04%	7.10%	7.34%	6.74%	8.39%	7.89%
50-54	4.15%	3.09%	4.93%	4.66%	6.39%	4.70%	6.53%	6.23%	7.12%	5.45%	7.31%	6.95%
55-59	2.16%	1.84%	4.44%	3.25%	3.24%	2.70%	6.20%	4.51%	3.93%	3.12%	7.27%	5.29%
60-64	1.02%	1.70%	2.35%	1.98%	1.15%	1.95%	3.22%	2.66%	1.47%	2.44%	4.12%	3.44%
65-69	1.49%	1.85%	1.15%	1.90%	1.61%	2.00%	1.21%	2.02%	2.04%	2.29%	1.63%	2.72%
70-74	3.01%	2.68%	1.91%	2.19%	3.10%	2.73%	1.91%	2.20%	3.02%	2.71%	2.56%	2.88%
75-79	2.12%	4.05%	4.15%	3.41%	2.01%	3.75%	3.96%	3.21%	1.87%	3.98%	4.10%	3.37%
80-84	-4.84%	2.43%	3.18%	5.91%	-5.10%	2.55%	2.79%	5.09%	-4.54%	2.33%	2.77%	5.05%
85+	-5.60%	2.39%	-10.02%	4.90%	-5.87%	3.01%	-9.80%	5.19%	-5.05%	3.07%	-9.02%	4.86%
SUBTOTAL	3.34%	3.65%	3.58%	3.82%	4.32%	4.67%	4.28%	4.52%	4.83%	5.16%	5.07%	5.32%
TOTAL		3.50%		3.70%		4.50%		4.40%		5.00%		5.20%

Prepared by:
Dr. Jian He, State Demographer
Research Office
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Logan**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-3	19	-7	-5	-3	23	-8	-5	-3	18	-2	-2
5-9	23	20	-3	25	27	24	-4	28	22	19	-1	9
10-14	-19	-50	30	26	-22	-59	34	29	-18	-48	11	9
15-19	-168	-141	-25	-65	-200	-168	-28	-74	-162	-136	-9	-24
20-24	-129	-93	-218	-182	-154	-111	-247	-206	-125	-90	-80	-67
25-29	13	9	-164	-118	15	10	-186	-134	12	8	-60	-43
30-34	22	10	20	14	26	12	22	15	21	10	7	5
35-39	3	15	28	13	4	18	32	15	3	14	10	5
40-44	14	-8	4	19	17	-9	4	22	14	-7	1	7
45-49	10	4	19	-10	12	4	21	-12	10	4	7	-4
50-54	23	13	13	5	27	16	15	6	22	13	5	2
55-59	3	8	29	17	4	9	33	19	3	7	11	6
60-64	16	6	3	9	19	7	4	11	16	6	1	3
65-69	8	3	21	8	9	3	24	9	7	3	8	3
70-74	-2	-10	10	3	-2	-12	11	4	-2	-9	4	1
75-79	-18	-5	-3	-13	-21	-6	-3	-14	-17	-5	-1	-5
80-84	-20	-7	-23	-7	-24	-8	-26	-8	-19	-7	-8	-2
85+	-20	-7	-51	-18	-24	-9	-58	-21	-20	-7	-19	-7
SUBTOTAL	-244	-215	-318	-278	-290	-255	-360	-315	-235	-207	-116	-102
TOTAL		-459		-596		-546		-675		-442		-218

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.18%	1.25%	-0.45%	-0.28%	-0.21%	1.45%	-0.50%	-0.32%	-0.18%	1.20%	-0.16%	-0.10%
5-9	1.49%	1.37%	-0.23%	1.61%	1.79%	1.51%	-0.26%	1.77%	1.45%	1.21%	-0.08%	0.59%
10-14	-1.18%	-3.22%	1.92%	1.72%	-1.54%	-3.76%	2.19%	1.81%	-1.22%	-2.91%	0.71%	0.58%
15-19	-9.73%	-8.94%	-1.60%	-4.36%	-12.74%	-11.00%	-2.00%	-4.88%	-10.37%	-9.47%	-0.63%	-1.52%
20-24	-7.94%	-6.08%	-14.07%	-12.72%	-10.12%	-7.83%	-18.16%	-15.26%	-9.06%	-7.86%	-5.74%	-4.45%
25-29	1.11%	0.75%	-11.01%	-8.20%	1.16%	0.84%	-13.68%	-10.25%	1.12%	0.72%	-4.84%	-3.24%
30-34	1.85%	0.78%	1.71%	1.17%	1.97%	0.92%	1.69%	1.23%	1.80%	0.78%	0.65%	0.44%
35-39	0.25%	1.12%	2.37%	0.99%	0.33%	1.50%	2.39%	1.11%	0.24%	1.07%	0.87%	0.40%
40-44	1.01%	-0.56%	0.29%	1.44%	1.44%	-0.69%	0.37%	1.83%	1.04%	-0.61%	0.10%	0.55%
45-49	0.76%	0.25%	1.32%	-0.77%	0.99%	0.33%	1.78%	-0.91%	0.89%	0.28%	0.51%	-0.29%
50-54	1.34%	0.78%	0.98%	0.34%	1.95%	1.18%	1.22%	0.44%	1.87%	0.95%	0.44%	0.16%
55-59	0.17%	0.44%	1.79%	1.03%	0.27%	0.61%	2.46%	1.47%	0.24%	0.55%	0.94%	0.50%
60-64	1.03%	0.38%	0.20%	0.58%	1.23%	0.46%	0.30%	0.77%	1.21%	0.42%	0.11%	0.28%
65-69	0.66%	0.21%	1.49%	0.52%	0.64%	0.21%	1.70%	0.60%	0.68%	0.18%	0.66%	0.24%
70-74	-0.24%	-1.05%	0.99%	0.30%	-0.20%	-0.89%	0.91%	0.29%	-0.17%	-0.70%	0.39%	0.11%
75-79	-3.01%	-0.76%	-0.44%	-1.68%	-2.80%	-0.66%	-0.35%	-1.35%	-1.85%	-0.49%	-0.11%	-0.44%
80-84	-5.59%	-1.53%	-5.96%	-1.34%	-5.51%	-1.60%	-5.28%	-1.12%	-3.18%	-1.01%	-1.38%	-0.31%
85+	-6.04%	-1.40%	-13.80%	-3.56%	-6.31%	-1.65%	-13.33%	-3.78%	-4.13%	-1.33%	-3.17%	-0.92%
SUBTOTAL	-1.08%	-0.92%	-1.41%	-1.19%	-1.31%	-1.10%	-1.64%	-1.36%	-1.10%	-0.91%	-0.55%	-0.45%
TOTAL		-1.00%		-1.30%		-1.20%		-1.50%		-1.00%		-0.50%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Lorain**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-3	-44	108	65	-3	-49	111	67	-4	-55	114	69
5-9	-166	-139	-9	-41	-185	-155	-9	-43	-205	-172	-9	-44
10-14	374	415	-140	-115	417	461	-144	-119	461	511	-147	-121
15-19	1,090	738	324	357	1,213	822	334	368	1,343	910	342	376
20-24	632	214	901	603	704	239	929	621	779	264	950	635
25-29	-68	-51	481	146	-76	-56	496	150	-84	-63	507	154
30-34	12	52	-85	-51	13	58	-88	-53	15	64	-90	-54
35-39	13	67	15	47	14	75	16	48	16	83	16	49
40-44	-49	45	10	54	-54	51	10	56	-60	56	10	57
45-49	-97	14	-42	35	-108	15	-43	36	-120	17	-44	37
50-54	-58	34	-80	10	-64	37	-82	10	-71	41	-84	10
55-59	52	95	-44	28	58	105	-46	29	64	117	-47	29
60-64	40	55	46	78	45	62	48	81	49	68	49	83
65-69	-5	-18	31	42	-5	-20	32	43	-6	-23	33	44
70-74	-116	-109	-6	-18	-130	-122	-6	-18	-143	-135	-6	-19
75-79	-75	-139	-98	-91	-84	-155	-101	-94	-93	-172	-103	-96
80-84	230	101	-58	-112	256	113	-60	-116	283	125	-61	-118
85+	261	122	395	184	290	136	407	190	321	150	416	194
SUBTOTAL	2,066	1,451	1,751	1,219	2,300	1,615	1,805	1,257	2,546	1,788	1,845	1,285
TOTAL		3,517		2,970		3,914		3,062		4,334		3,129

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.04%	-0.52%	1.26%	0.73%	-0.04%	-0.50%	1.09%	0.63%	-0.04%	-0.50%	1.13%	0.65%
5-9	-1.80%	-1.59%	-0.11%	-0.48%	-2.13%	-1.72%	-0.10%	-0.43%	-1.97%	-1.74%	-0.09%	-0.40%
10-14	3.66%	4.29%	-1.54%	-1.33%	5.06%	5.42%	-1.70%	-1.34%	4.83%	5.85%	-1.45%	-1.15%
15-19	10.21%	7.19%	3.07%	3.55%	13.64%	9.66%	3.88%	4.11%	16.13%	9.76%	3.43%	3.63%
20-24	6.16%	2.18%	7.70%	5.48%	6.49%	2.30%	9.25%	6.67%	8.75%	2.66%	9.88%	6.61%
25-29	-0.90%	-0.66%	4.45%	1.45%	-0.60%	-0.49%	4.33%	1.42%	-0.77%	-0.58%	5.27%	1.61%
30-34	0.17%	0.66%	-1.15%	-0.68%	0.12%	0.57%	-0.71%	-0.46%	0.12%	0.56%	-0.84%	-0.55%
35-39	0.16%	0.78%	0.21%	0.59%	0.19%	1.00%	0.14%	0.48%	0.13%	0.81%	0.13%	0.46%
40-44	-0.54%	0.47%	0.12%	0.63%	-0.76%	0.64%	0.14%	0.74%	-0.54%	0.74%	0.09%	0.50%
45-49	-1.00%	0.13%	-0.48%	0.37%	-1.38%	0.18%	-0.62%	0.46%	-1.70%	0.21%	-0.41%	0.37%
50-54	-0.55%	0.29%	-0.85%	0.09%	-0.77%	0.39%	-1.09%	0.12%	-1.07%	0.49%	-1.25%	0.14%
55-59	0.47%	0.81%	-0.44%	0.25%	0.64%	1.08%	-0.57%	0.31%	0.89%	1.25%	-0.73%	0.38%
60-64	0.42%	0.54%	0.45%	0.69%	0.47%	0.56%	0.85%	0.66%	0.71%	0.72%	1.03%	
65-69	-0.06%	-0.21%	0.36%	0.44%	-0.06%	-0.19%	0.38%	0.43%	-0.08%	-0.22%	0.49%	0.53%
70-74	-2.33%	-1.84%	-0.09%	-0.23%	-1.79%	-1.44%	-0.08%	-0.20%	-1.99%	-1.45%	-0.10%	-0.24%
75-79	-2.22%	-3.19%	-2.65%	-1.93%	-1.68%	-2.48%	-1.88%	-1.39%	-1.57%	-2.58%	-1.94%	-1.34%
80-84	10.55%	3.13%	-2.59%	-3.51%	10.58%	3.22%	-1.81%	-2.52%	7.98%	2.78%	-1.56%	-2.12%
85+	10.85%	3.23%	13.36%	4.76%	9.02%	3.54%	11.30%	4.68%	7.62%	3.53%	8.53%	3.63%
SUBTOTAL	1.45%	0.96%	1.21%	0.80%	1.57%	1.04%	1.21%	0.80%	1.69%	1.12%	1.21%	0.80%
TOTAL		1.20%		1.00%		1.30%		1.00%		1.40%		1.00%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Lucas**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-657	-515	-252	-160	-434	-341	-168	-107	-265	-208	-90	-57
5-9	-540	-504	-514	-404	-357	-334	-342	-269	-218	-204	-183	-144
10-14	-703	-681	-411	-387	-465	-451	-274	-257	-284	-275	-147	-138
15-19	-641	-68	-544	-528	-424	-45	-362	-352	-259	-27	-194	-188
20-24	-519	-203	-490	-34	-343	-135	-326	-23	-210	-82	-175	-12
25-29	-827	-922	-395	-161	-547	-610	-263	-107	-334	-373	-141	-57
30-34	-966	-948	-644	-728	-639	-627	-429	-485	-390	-383	-229	-259
35-39	-697	-640	-746	-728	-461	-423	-497	-485	-282	-258	-266	-259
40-44	-339	-359	-527	-482	-225	-238	-351	-321	-137	-145	-188	-172
45-49	-118	-228	-251	-268	-78	-151	-167	-179	-48	-92	-89	-96
50-54	-227	-298	-85	-172	-150	-197	-56	-114	-92	-120	-30	-61
55-59	-296	-393	-177	-231	-196	-260	-118	-154	-120	-159	-63	-82
60-64	-227	-315	-229	-304	-150	-208	-153	-203	-92	-127	-82	-108
65-69	-201	-136	-173	-240	-133	-90	-115	-160	-81	-55	-62	-85
70-74	92	64	-154	-100	61	42	-102	-66	37	26	-55	-36
75-79	1	79	79	54	1	52	52	36	1	32	28	19
80-84	-302	-210	-2	61	-200	-139	-1	41	-122	-85	-1	22
85+	-325	-229	-481	-339	-215	-151	-321	-226	-131	-92	-172	-121
SUBTOTAL	-7,492	-6,507	-5,995	-5,151	-4,955	-4,304	-3,993	-3,430	-3,028	-2,630	-2,137	-1,836
TOTAL		-14,000		-11,146		-9,259		-7,423		-5,657		-3,973

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-4.54%	-3.41%	-1.78%	-1.08%	-3.15%	-2.36%	-1.27%	-0.77%	-2.05%	-1.54%	-0.69%	-0.42%
5-9	-3.60%	-3.44%	-3.72%	-2.77%	-2.57%	-2.28%	-2.56%	-1.91%	-1.68%	-1.48%	-1.45%	-1.08%
10-14	-4.76%	-4.88%	-2.84%	-2.74%	-3.50%	-3.18%	-2.02%	-1.80%	-2.18%	-1.96%	-1.14%	-1.02%
15-19	-4.40%	-0.49%	-3.89%	-3.98%	-3.03%	-0.33%	-2.84%	-2.56%	-1.96%	-0.20%	-1.53%	-1.39%
20-24	-3.31%	-1.35%	-3.54%	-0.25%	-2.57%	-1.06%	-2.42%	-0.17%	-1.70%	-0.60%	-1.35%	-0.09%
25-29	-5.23%	-5.62%	-2.63%	-1.08%	-4.12%	-4.42%	-2.03%	-0.85%	-2.55%	-3.00%	-1.17%	-0.43%
30-34	-6.87%	-6.42%	-4.32%	-4.72%	-4.39%	-4.30%	-3.39%	-3.69%	-3.10%	-3.03%	-1.81%	-1.97%
35-39	-5.58%	-4.79%	-5.77%	-5.30%	-3.27%	-2.89%	-3.61%	-3.49%	-2.33%	-1.93%	-2.20%	-2.18%
40-44	-2.63%	-2.59%	-4.57%	-3.84%	-1.88%	-1.85%	-2.63%	-2.29%	-1.06%	-1.06%	-1.63%	-1.41%
45-49	-0.94%	-1.69%	-2.05%	-2.02%	-0.73%	-1.27%	-1.46%	-1.44%	-0.38%	-0.75%	-0.71%	-0.74%
50-54	-1.60%	-1.90%	-0.71%	-1.32%	-1.29%	-1.54%	-0.55%	-0.99%	-0.84%	-1.05%	-0.25%	-0.47%
55-59	-1.96%	-2.38%	-1.33%	-1.54%	-1.71%	-2.07%	-1.08%	-1.25%	-1.22%	-1.31%	-0.61%	-0.71%
60-64	-1.74%	-2.18%	-1.67%	-1.99%	-1.23%	-1.49%	-1.46%	-1.74%	-0.92%	-1.11%	-0.91%	-1.04%
65-69	-1.93%	-1.17%	-1.51%	-1.84%	-1.11%	-0.65%	-1.07%	-1.25%	-0.89%	-0.44%	-0.70%	-0.81%
70-74	1.50%	0.83%	-1.87%	-1.00%	0.67%	0.38%	-1.07%	-0.56%	0.43%	0.22%	-0.75%	-0.39%
75-79	0.03%	1.42%	1.68%	0.87%	0.02%	0.66%	0.76%	0.40%	0.01%	0.35%	0.43%	0.22%
80-84	-10.73%	-4.80%	-0.06%	1.46%	-6.16%	-2.99%	-0.03%	0.69%	-2.57%	-1.43%	-0.01%	0.31%
85+	-9.48%	-4.24%	-14.57%	-6.95%	-6.46%	-3.30%	-8.86%	-4.83%	-2.99%	-2.08%	-3.28%	-1.94%
SUBTOTAL	-3.54%	-2.88%	-2.90%	-2.32%	-2.45%	-1.97%	-2.03%	-1.59%	-1.57%	-1.24%	-1.13%	-0.88%
TOTAL		-3.20%		-2.60%		-2.20%		-1.80%		-1.40%		-1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Madison**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	39	50	14	36	44	56	17	41	52	66	18	45
5-9	50	29	47	58	56	32	54	67	67	39	59	72
10-14	-3	2	57	30	-3	2	67	35	-4	3	72	37
15-19	-155	-149	-9	-1	-173	-166	-11	-1	-207	-198	-12	-1
20-24	-124	-98	-191	-184	-138	-109	-221	-213	-165	-130	-239	-230
25-29	39	39	-133	-102	44	44	-154	-118	52	52	-166	-127
30-34	78	77	62	59	87	85	72	68	105	102	78	74
35-39	68	50	90	88	75	56	105	102	90	67	113	111
40-44	44	46	74	53	50	51	86	61	59	62	93	66
45-49	47	13	47	51	53	14	55	60	63	17	59	64
50-54	32	41	53	11	36	46	62	12	43	54	67	13
55-59	27	21	34	49	30	24	40	57	36	29	43	62
60-64	13	15	30	21	14	16	35	25	17	20	37	27
65-69	25	27	13	16	28	30	15	19	34	35	16	20
70-74	27	26	30	31	31	29	35	36	37	34	37	39
75-79	9	20	31	28	10	22	36	33	12	26	39	36
80-84	-12	-4	8	21	-13	-5	9	25	-16	-6	10	27
85+	-15	-7	-31	-15	-17	-8	-35	-18	-20	-10	-38	-19
SUBTOTAL	192	196	227	252	214	219	264	292	256	262	284	315
TOTAL		388		480		433		556		518		600

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.37%	4.09%	1.14%	2.73%	3.57%	4.34%	1.28%	3.05%	4.17%	5.07%	1.35%	3.21%
5-9	4.04%	2.26%	3.90%	4.57%	4.46%	2.42%	4.29%	5.02%	5.13%	2.77%	4.50%	5.25%
10-14	-0.20%	0.15%	4.43%	2.27%	-0.24%	0.17%	5.06%	2.53%	-0.27%	0.19%	5.22%	2.61%
15-19	-11.17%	-11.43%	-0.69%	-0.05%	-12.85%	-12.37%	-0.87%	-0.06%	-15.03%	-15.03%	-0.89%	-0.06%
20-24	-8.77%	-7.26%	-15.53%	-15.98%	-10.45%	-8.31%	-18.91%	-18.13%	-13.51%	-13.56%	-20.49%	-19.12%
25-29	3.94%	3.91%	-10.36%	-8.15%	4.24%	4.55%	-13.06%	-9.80%	5.54%	4.84%	-15.78%	-10.72%
30-34	7.96%	7.60%	6.07%	5.69%	7.66%	7.50%	6.76%	6.82%	10.27%	9.52%	7.88%	7.33%
35-39	6.44%	4.89%	8.63%	8.21%	7.02%	5.15%	8.64%	8.41%	8.01%	5.08%	10.20%	9.41%
40-44	3.67%	3.59%	6.76%	4.99%	4.45%	4.48%	7.61%	5.43%	4.60%	5.17%	7.76%	5.93%
45-49	3.57%	0.91%	3.86%	3.92%	4.61%	1.30%	4.82%	5.03%	5.32%	1.38%	4.49%	4.78%
50-54	2.14%	2.66%	4.04%	0.76%	2.93%	3.42%	5.36%	1.12%	3.73%	4.95%	5.54%	1.13%
55-59	1.87%	1.49%	2.33%	3.26%	2.30%	1.79%	3.28%	4.33%	3.11%	2.07%	3.74%	5.07%
60-64	1.10%	1.17%	2.18%	1.57%	1.01%	1.13%	2.77%	1.95%	1.46%	1.52%	3.36%	2.64%
65-69	2.57%	2.54%	1.20%	1.35%	2.25%	2.30%	1.15%	1.35%	2.93%	2.55%	1.49%	1.64%
70-74	4.35%	3.39%	3.73%	3.31%	3.64%	2.71%	3.40%	3.11%	3.60%	2.86%	3.97%	3.57%
75-79	1.98%	3.38%	6.24%	4.65%	1.60%	2.87%	5.45%	3.88%	1.51%	2.96%	4.88%	3.62%
80-84	-4.34%	-1.19%	2.59%	5.12%	-3.79%	-1.10%	2.18%	4.54%	-3.44%	-1.03%	1.85%	3.99%
85+	-5.78%	-1.82%	-10.72%	-3.74%	-5.21%	-1.88%	-9.82%	-3.79%	-4.68%	-2.22%	-7.97%	-3.14%
SUBTOTAL	1.02%	1.00%	1.19%	1.27%	1.11%	1.09%	1.36%	1.44%	1.32%	1.28%	1.47%	1.53%
TOTAL		1.01%		1.23%		1.10%		1.40%		1.30%		1.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Mahoning**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	14	17	-35	12	8	9	-17	6	1	1	10	-4
5-9	-32	-61	11	12	-18	-34	5	6	-3	-5	-3	-3
10-14	-235	-268	-23	-44	-131	-150	-12	-22	-20	-23	7	13
15-19	-717	-653	-169	-193	-401	-365	-84	-96	-62	-57	49	56
20-24	-675	-536	-517	-471	-377	-299	-257	-234	-59	-47	151	137
25-29	-219	-233	-484	-384	-123	-130	-241	-191	-19	-20	141	112
30-34	-50	-71	-155	-166	-28	-40	-77	-82	-4	-6	45	48
35-39	-18	-90	-35	-50	-10	-51	-17	-25	-2	-8	10	15
40-44	34	-29	-12	-65	19	-16	-6	-32	3	-3	4	19
45-49	24	-31	25	-21	13	-17	12	-10	2	-3	-7	6
50-54	-4	-107	17	-22	-2	-60	9	-11	0	-9	-5	6
55-59	-34	-91	-3	-77	-19	-51	-2	-38	-3	-8	1	22
60-64	-35	-20	-25	-65	-19	-11	-12	-32	-3	-2	7	19
65-69	9	-11	-25	-14	5	-6	-12	-7	1	-1	7	4
70-74	97	29	7	-8	54	16	3	-4	8	3	-2	2
75-79	49	29	70	21	27	16	35	11	4	2	-20	-6
80-84	-176	-138	35	21	-99	-77	17	10	-15	-12	-10	-6
85+	-179	-140	-256	-199	-100	-78	-127	-99	-16	-12	74	58
SUBTOTAL	-2146	-2403	-1576	-1714	-1199	-1343	-784	-852	-186	-208	459	499
TOTAL		-4549		-3290		-2542		-1636		-395		958

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.25%	0.27%	-0.59%	0.20%	0.14%	0.16%	-0.31%	0.10%	0.02%	0.03%	0.19%	-0.06%
5-9	-0.49%	-0.97%	0.18%	0.19%	-0.31%	-0.56%	0.09%	0.10%	-0.05%	-0.09%	-0.06%	-0.06%
10-14	-3.35%	-4.00%	-0.36%	-0.71%	-2.23%	-2.43%	-0.20%	-0.36%	-0.36%	-0.38%	0.12%	0.22%
15-19	-9.51%	-8.87%	-2.52%	-3.01%	-6.22%	-5.95%	-1.48%	-1.60%	-1.09%	-0.96%	0.88%	0.95%
20-24	-8.48%	-7.07%	-7.64%	-7.04%	-5.81%	-4.82%	-4.29%	-4.07%	-1.05%	-0.84%	2.69%	2.30%
25-29	-3.46%	-3.75%	-6.71%	-5.48%	-1.98%	-2.10%	-3.97%	-3.24%	-0.33%	-0.35%	2.58%	1.92%
30-34	-0.86%	-1.12%	-2.56%	-2.78%	-0.42%	-0.60%	-1.28%	-1.37%	-0.08%	-0.10%	0.81%	0.88%
35-39	-0.30%	-1.43%	-0.62%	-0.81%	-0.17%	-0.88%	-0.27%	-0.38%	-0.03%	-0.12%	0.18%	0.26%
40-44	0.55%	-0.43%	-0.22%	-1.05%	0.35%	-0.27%	-0.11%	-0.57%	0.05%	-0.05%	0.06%	0.32%
45-49	0.35%	-0.44%	0.41%	-0.31%	0.24%	-0.29%	0.23%	-0.17%	0.04%	-0.04%	-0.12%	0.09%
50-54	-0.06%	-1.26%	0.26%	-0.32%	-0.04%	-0.93%	0.16%	-0.19%	-0.01%	-0.16%	-0.09%	0.12%
55-59	-0.39%	-0.92%	-0.04%	-0.94%	-0.30%	-0.76%	-0.03%	-0.62%	-0.06%	-0.13%	0.02%	0.39%
60-64	-0.42%	-0.23%	-0.31%	-0.70%	-0.28%	-0.15%	-0.21%	-0.51%	-0.06%	-0.03%	0.15%	0.35%
65-69	0.14%	-0.16%	-0.34%	-0.17%	0.07%	-0.08%	-0.20%	-0.10%	0.02%	-0.01%	0.15%	0.08%
70-74	2.47%	0.56%	0.13%	-0.13%	0.92%	0.23%	0.06%	-0.05%	0.17%	0.03%	-0.05%	0.05%
75-79	1.69%	0.70%	2.32%	0.48%	0.69%	0.30%	0.78%	0.18%	0.10%	0.04%	-0.56%	-0.12%
80-84	-8.02%	-4.11%	1.72%	0.67%	-4.61%	-2.31%	0.63%	0.26%	-0.49%	-0.30%	-0.33%	-0.13%
85+	-6.13%	-2.89%	-8.76%	-4.45%	-3.45%	-1.86%	-4.29%	-2.37%	-0.45%	-0.30%	1.86%	1.12%
SUBTOTAL	-1.97%	-2.03%	-1.50%	-1.50%	-1.19%	-1.21%	-0.80%	-0.80%	-0.20%	-0.20%	0.50%	0.50%
TOTAL		-2.00%		-1.50%		-1.20%		-0.80%		-0.20%		0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Marion**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	12	10	-29	-27	9	8	-23	-22	7	6	-18	-17
5-9	31	21	15	14	24	17	12	11	18	12	9	8
10-14	-57	-19	32	22	-45	-15	26	18	-33	-11	20	14
15-19	-204	-159	-65	-23	-161	-126	-52	-18	-119	-92	-40	-14
20-24	-152	-121	-218	-172	-120	-96	-176	-139	-88	-71	-135	-107
25-29	32	15	-149	-119	25	11	-120	-96	18	8	-92	-74
30-34	12	5	47	26	10	4	38	21	7	3	29	16
35-39	0	9	9	3	0	7	8	3	0	5	6	2
40-44	7	4	0	10	6	3	0	8	4	2	0	6
45-49	24	-21	8	4	19	-17	6	3	14	-12	5	2
50-54	15	-3	26	-23	12	-2	21	-19	9	-2	16	-14
55-59	3	1	14	-1	2	1	12	-1	2	1	9	-1
60-64	-4	-3	2	1	-3	-2	1	1	-2	-2	1	1
65-69	18	-1	-4	-3	14	-1	-3	-3	10	-1	-3	-2
70-74	21	25	20	-1	17	20	16	-1	12	15	12	-1
75-79	7	7	21	27	6	6	17	22	4	4	13	17
80-84	-36	-34	6	6	-28	-27	5	5	-21	-20	4	4
85+	-42	-40	-79	-75	-33	-31	-64	-60	-25	-23	-49	-46
SUBTOTAL	-313	-303	-344	-332	-247	-240	-276	-267	-182	-176	-212	-205
TOTAL		-616		-676		-487		-543		-358		-418

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.58%	0.50%	-1.40%	-1.24%	0.46%	0.39%	-1.15%	-1.02%	0.33%	0.28%	-0.80%	-0.71%
5-9	1.58%	1.12%	0.76%	0.65%	1.19%	0.79%	0.61%	0.52%	0.90%	0.59%	0.46%	0.39%
10-14	-2.70%	-1.00%	1.64%	1.16%	-2.22%	-0.72%	1.27%	0.83%	-1.63%	-0.51%	1.00%	0.66%
15-19	-9.55%	-7.93%	-3.19%	-1.21%	-8.06%	-6.47%	-2.65%	-0.88%	-5.71%	-4.49%	-2.03%	-0.67%
20-24	-7.12%	-5.77%	-11.37%	-9.36%	-6.15%	-5.19%	-9.61%	-7.65%	-4.65%	-4.22%	-6.92%	-5.16%
25-29	1.78%	0.80%	-7.57%	-6.02%	1.49%	0.69%	-6.57%	-5.47%	1.13%	0.51%	-5.11%	-3.71%
30-34	0.69%	0.28%	2.62%	1.41%	0.54%	0.21%	2.23%	1.24%	0.42%	0.17%	1.77%	0.95%
35-39	0.02%	0.51%	0.54%	0.19%	0.01%	0.39%	0.43%	0.14%	0.01%	0.29%	0.35%	0.12%
40-44	0.40%	0.22%	-0.03%	0.54%	0.32%	0.18%	-0.02%	0.43%	0.23%	0.13%	-0.02%	0.36%
45-49	1.27%	-1.06%	0.45%	0.20%	1.15%	-0.93%	0.37%	0.17%	0.80%	-0.70%	0.28%	0.12%
50-54	0.69%	-0.12%	1.39%	-1.22%	0.70%	-0.11%	1.28%	-1.08%	0.53%	-0.09%	0.93%	-0.81%
55-59	0.11%	0.04%	0.68%	-0.04%	0.12%	0.04%	0.71%	-0.04%	0.10%	0.03%	0.56%	-0.03%
60-64	-0.19%	-0.15%	0.08%	0.05%	-0.15%	-0.12%	0.08%	0.06%	-0.14%	-0.10%	0.07%	0.05%
65-69	1.08%	-0.07%	-0.24%	-0.18%	0.75%	-0.05%	-0.19%	-0.15%	0.70%	-0.04%	-0.19%	-0.14%
70-74	2.04%	1.99%	1.46%	-0.07%	1.17%	1.21%	1.03%	-0.06%	0.86%	0.84%	1.01%	-0.05%
75-79	0.97%	0.77%	2.77%	2.60%	0.55%	0.43%	1.63%	1.62%	0.36%	0.30%	1.26%	1.28%
80-84	-6.96%	-4.40%	1.16%	0.77%	-5.03%	-3.16%	0.67%	0.44%	-2.75%	-1.88%	0.45%	0.32%
85+	-8.60%	-4.43%	-15.16%	-8.33%	-6.08%	-3.54%	-10.76%	-6.36%	-3.45%	-2.61%	-6.09%	-3.85%
SUBTOTAL	-1.04%	-0.96%	-1.15%	-1.05%	-0.84%	-0.76%	-0.95%	-0.86%	-0.63%	-0.57%	-0.74%	-0.66%
TOTAL		-1.00%		-1.10%		-0.80%		-0.90%		-0.60%		-0.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Medina**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	486	503	137	148	588	609	168	181	686	710	196	212
5-9	646	556	424	439	782	674	520	537	913	786	608	629
10-14	116	-4	551	471	140	-5	675	577	163	-6	790	675
15-19	-969	-952	73	-29	-1,173	-1,153	90	-35	-1,368	-1,346	105	-41
20-24	-625	-460	-864	-845	-756	-556	-1,059	-1,034	-883	-649	-1,239	-1,211
25-29	454	671	-509	-363	549	812	-623	-445	641	948	-730	-521
30-34	850	848	430	615	1,029	1,027	527	753	1,201	1,198	617	882
35-39	686	633	732	721	830	767	897	883	969	895	1,050	1,033
40-44	364	311	570	524	441	376	698	642	514	439	817	752
45-49	249	176	293	248	302	213	359	304	352	248	420	355
50-54	107	111	206	143	130	135	252	175	152	157	295	205
55-59	34	106	84	91	42	128	103	112	49	149	121	131
60-64	30	81	26	89	37	97	32	109	43	114	37	128
65-69	47	115	26	67	57	139	31	82	67	162	37	96
70-74	65	164	41	98	78	199	50	120	91	232	58	141
75-79	133	205	55	140	161	248	68	172	188	289	79	201
80-84	-5	150	116	174	-6	182	141	214	-7	212	166	250
85+	-13	155	-21	249	-16	187	-25	304	-18	219	-30	356
SUBTOTAL	2,657	3,367	2,371	2,981	3,216	4,076	2,904	3,651	3,754	4,758	3,398	4,273
TOTAL		6,024		5,351		7,293		6,554		8,511		7,671

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	11.12%	11.01%	3.03%	3.14%	13.38%	13.24%	3.60%	3.73%	16.02%	15.86%	4.66%	4.82%
5-9	12.24%	11.04%	8.75%	8.66%	16.80%	13.83%	10.43%	10.33%	18.93%	13.70%	12.24%	12.12%
10-14	1.83%	-0.07%	9.31%	8.41%	2.66%	-0.09%	12.42%	10.40%	2.97%	-0.09%	13.79%	11.58%
15-19	-14.46%	-14.91%	1.15%	-0.48%	-18.17%	-19.04%	1.67%	-0.64%	-22.47%	-24.67%	1.86%	-0.72%
20-24	-10.19%	-8.02%	-15.13%	-15.57%	-11.71%	-9.37%	-20.11%	-21.13%	-16.14%	-16.81%	-26.32%	-25.46%
25-29	11.43%	17.81%	-9.28%	-6.90%	11.38%	17.75%	-10.98%	-8.28%	15.32%	19.23%	-15.98%	-10.87%
30-34	20.63%	20.15%	9.80%	13.90%	20.86%	21.02%	9.88%	14.02%	23.95%	19.56%	12.88%	18.40%
35-39	15.08%	13.00%	14.85%	14.32%	17.36%	15.29%	15.16%	15.00%	16.67%	13.23%	17.03%	16.98%
40-44	6.42%	5.27%	11.00%	9.58%	7.85%	6.57%	12.56%	11.17%	7.62%	6.87%	12.16%	10.82%
45-49	3.85%	2.60%	4.92%	4.03%	5.32%	3.57%	6.01%	5.02%	5.70%	3.91%	5.86%	5.00%
50-54	1.55%	1.53%	3.13%	2.08%	2.13%	2.12%	4.31%	2.87%	2.45%	2.50%	4.62%	3.14%
55-59	0.51%	1.54%	1.23%	1.26%	0.63%	1.86%	1.71%	1.76%	0.82%	2.31%	1.96%	2.07%
60-64	0.55%	1.35%	0.40%	1.32%	0.56%	1.37%	0.51%	1.61%	0.73%	1.65%	0.66%	2.09%
65-69	0.99%	2.26%	0.49%	1.17%	0.95%	2.15%	0.51%	1.20%	1.14%	2.35%	0.67%	1.59%
70-74	2.10%	4.69%	0.97%	2.10%	1.74%	3.82%	0.94%	2.03%	1.71%	3.83%	1.13%	2.35%
75-79	6.80%	9.26%	2.28%	4.71%	4.96%	6.38%	1.91%	3.91%	4.59%	6.33%	1.88%	3.84%
80-84	-0.39%	9.95%	7.84%	9.84%	-0.32%	7.94%	5.88%	7.04%	-0.26%	6.55%	5.47%	6.53%
85+	-1.16%	10.08%	-1.72%	16.15%	-1.08%	10.93%	-1.53%	15.14%	-0.83%	9.45%	-1.20%	12.24%
SUBTOTAL	3.13%	3.86%	2.70%	3.29%	3.60%	4.38%	3.18%	3.81%	4.07%	4.91%	3.65%	4.34%
TOTAL		3.50%		3.00%		4.00%		3.50%		4.50%		4.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Meigs**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	12	9	2	32	32	25	3	42	50	39	4	50
5-9	12	14	60	43	32	37	79	56	50	58	94	68
10-14	4	2	55	66	11	6	71	86	18	9	85	103
15-19	-23	-23	16	5	-60	-61	21	7	-95	-96	25	8
20-24	-24	-15	-115	-116	-62	-39	-150	-151	-98	-62	-180	-181
25-29	4	7	-107	-63	11	18	-139	-82	17	29	-167	-98
30-34	9	10	30	40	24	27	39	52	38	43	47	63
35-39	13	3	42	48	35	9	55	62	55	14	66	74
40-44	13	3	62	12	35	7	80	16	54	11	96	19
45-49	12	5	59	12	31	14	77	16	49	22	93	19
50-54	11	3	54	26	29	9	70	33	45	14	84	40
55-59	7	5	49	14	19	14	64	18	30	21	77	22
60-64	8	3	32	24	21	7	41	32	33	11	49	38
65-69	5	2	37	11	12	6	48	14	18	10	58	17
70-74	3	1	19	11	7	2	24	14	11	3	29	17
75-79	-2	2	11	2	-5	4	15	3	-8	7	18	3
80-84	-6	-5	-11	8	-15	-13	-14	10	-23	-21	-17	12
85+	-6	-6	-54	-51	-17	-16	-70	-66	-27	-25	-84	-80
SUBTOTAL	53	21	241	123	138	55	313	161	218	86	376	193
TOTAL		74		364		193		474		304		569

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.04%	1.49%	0.39%	5.09%	5.82%	4.24%	0.54%	7.17%	10.52%	7.66%	0.79%	10.44%
5-9	1.76%	2.10%	9.82%	6.77%	5.35%	5.67%	13.48%	9.37%	9.08%	8.87%	17.79%	12.51%
10-14	0.54%	0.28%	7.76%	9.53%	1.66%	0.87%	11.33%	12.40%	2.66%	1.20%	14.17%	15.24%
15-19	-3.14%	-3.05%	2.02%	0.63%	-8.00%	-8.10%	3.05%	0.95%	-13.66%	-13.88%	3.70%	1.18%
20-24	-3.16%	-1.99%	-16.32%	-15.60%	-7.84%	-4.88%	-21.86%	-21.80%	-14.14%	-11.37%	-30.35%	-26.75%
25-29	0.63%	1.13%	-14.70%	-8.57%	1.79%	2.90%	-19.14%	-10.78%	3.11%	4.21%	-28.26%	-15.66%
30-34	1.45%	1.48%	4.64%	6.49%	3.87%	4.07%	6.55%	8.18%	6.42%	6.18%	8.55%	11.12%
35-39	1.92%	0.48%	6.69%	6.66%	5.24%	1.32%	8.71%	8.92%	8.78%	1.81%	10.76%	10.38%
40-44	1.91%	0.36%	8.90%	1.74%	5.22%	0.93%	11.71%	2.35%	8.07%	1.63%	14.48%	2.68%
45-49	1.48%	0.72%	8.68%	1.63%	4.29%	2.08%	11.47%	2.10%	6.65%	2.93%	13.16%	2.53%
50-54	1.26%	0.38%	6.71%	3.43%	3.98%	1.16%	9.43%	4.87%	6.20%	1.87%	10.91%	5.95%
55-59	0.85%	0.59%	5.85%	1.64%	2.37%	1.80%	8.99%	2.47%	3.93%	2.88%	10.45%	2.89%
60-64	0.99%	0.32%	4.07%	2.89%	2.68%	0.85%	5.55%	4.38%	4.83%	1.42%	6.91%	5.59%
65-69	0.71%	0.35%	5.23%	1.41%	1.71%	0.80%	6.95%	1.85%	2.77%	1.32%	9.37%	2.54%
70-74	0.57%	0.12%	3.57%	1.81%	1.13%	0.24%	4.23%	2.04%	1.79%	0.35%	5.18%	2.80%
75-79	-0.65%	0.42%	3.19%	0.46%	-1.30%	0.82%	3.16%	0.48%	-1.85%	1.20%	3.78%	0.57%
80-84	-3.04%	-1.72%	-5.22%	2.65%	-5.92%	-4.00%	-5.25%	2.61%	-7.08%	-5.20%	-5.73%	2.70%
85+	-3.50%	-2.14%	-25.20%	-16.37%	-7.91%	-5.23%	-27.27%	-20.02%	-10.04%	-9.52%	-26.01%	-19.89%
SUBTOTAL	0.47%	0.18%	2.15%	1.04%	1.24%	0.46%	2.87%	1.38%	2.02%	0.75%	3.59%	1.73%
TOTAL		0.32%		1.58%		0.84%		2.10%		1.37%		2.63%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Mercer**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS	
	MALE	FEMALE										
0-4	21	14	16	26	19	12	15	24	17	11	14	22
5-9	0	17	30	21	0	15	28	20	0	14	26	18
10-14	-39	-44	3	25	-36	-40	3	24	-32	-35	2	22
15-19	-177	-152	-55	-60	-161	-138	-52	-56	-143	-122	-47	-51
20-24	-115	-96	-254	-219	-104	-87	-237	-204	-93	-77	-217	-187
25-29	25	20	-181	-152	23	18	-169	-142	20	16	-155	-130
30-34	-4	4	22	17	-4	4	21	16	-4	3	19	15
35-39	15	3	-5	7	14	3	-4	6	12	2	-4	6
40-44	5	0	21	5	5	0	19	4	4	0	18	4
45-49	5	1	9	0	5	0	8	0	4	0	8	0
50-54	13	18	8	1	11	16	8	1	10	14	7	1
55-59	12	3	18	25	11	2	17	24	10	2	16	22
60-64	10	14	18	6	9	12	17	5	8	11	16	5
65-69	8	4	16	20	7	4	15	18	7	3	14	17
70-74	17	10	13	7	16	9	12	7	14	8	11	6
75-79	10	6	25	14	9	5	24	13	8	5	22	12
80-84	-12	-8	15	9	-11	-7	14	9	-9	-6	13	8
85+	-9	-6	-31	-21	-8	-6	-29	-19	-7	-5	-26	-18
SUBTOTAL	-215	-194	-310	-267	-195	-176	-290	-249	-173	-156	-266	-229
TOTAL		-410		-577		-371		-539		-330		-495

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
0-4	1.55%	0.97%	1.14%	1.73%	1.28%	0.80%	1.00%	1.53%	1.14%	0.72%	0.90%	1.37%
5-9	0.03%	1.19%	2.25%	1.49%	0.02%	1.00%	1.92%	1.28%	0.02%	0.87%	1.77%	1.18%
10-14	-2.59%	-3.22%	0.19%	1.77%	-2.59%	-2.77%	0.18%	1.54%	-2.11%	-2.23%	0.15%	1.34%
15-19	-11.46%	-10.19%	-3.77%	-4.55%	-11.04%	-9.41%	-3.87%	-4.02%	-9.86%	-9.17%	-3.24%	-3.36%
20-24	-7.51%	-6.52%	-18.59%	-16.39%	-7.42%	-7.00%	-18.35%	-15.44%	-7.25%	-6.92%	-16.73%	-12.97%
25-29	2.28%	2.08%	-12.85%	-11.03%	2.06%	1.66%	-13.05%	-12.25%	1.93%	1.61%	-13.15%	-10.43%
30-34	-0.37%	0.36%	1.97%	1.76%	-0.33%	0.30%	1.83%	1.44%	-0.32%	0.28%	1.78%	1.32%
35-39	1.34%	0.27%	-0.39%	0.62%	1.19%	0.26%	-0.36%	0.53%	1.06%	0.19%	-0.36%	0.58%
40-44	0.46%	-0.04%	1.84%	0.44%	0.41%	-0.04%	1.70%	0.42%	0.35%	-0.04%	1.55%	0.34%
45-49	0.45%	0.05%	0.79%	-0.03%	0.44%	0.05%	0.72%	-0.03%	0.38%	0.04%	0.64%	-0.02%
50-54	0.87%	1.25%	0.69%	0.06%	1.02%	1.48%	0.70%	0.07%	0.88%	1.40%	0.64%	0.06%
55-59	0.77%	0.18%	1.31%	1.80%	0.94%	0.22%	1.57%	2.18%	0.91%	0.20%	1.41%	2.04%
60-64	0.72%	0.99%	1.24%	0.39%	0.70%	0.91%	1.55%	0.49%	0.80%	1.01%	1.55%	0.51%
65-69	0.81%	0.39%	1.21%	1.53%	0.55%	0.27%	1.22%	1.44%	0.65%	0.25%	1.44%	1.71%
70-74	2.43%	1.25%	1.45%	0.76%	1.37%	0.76%	1.01%	0.54%	1.31%	0.65%	1.23%	0.66%
75-79	2.07%	0.97%	4.52%	2.11%	1.26%	0.66%	2.65%	1.32%	0.84%	0.45%	2.62%	1.22%
80-84	-3.29%	-1.46%	4.69%	1.97%	-2.61%	-1.30%	2.96%	1.38%	-1.48%	-0.99%	2.04%	0.97%
85+	-2.44%	-1.09%	-7.51%	-3.58%	-2.04%	-1.04%	-6.26%	-3.40%	-1.41%	-0.92%	-4.00%	-2.37%
SUBTOTAL	-1.05%	-0.95%	-1.51%	-1.30%	-0.95%	-0.85%	-1.41%	-1.19%	-0.86%	-0.75%	-1.32%	-1.09%
TOTAL		-1.00%		-1.40%		-0.90%		-1.30%		-0.80%		-1.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Miami**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	3	-11	-7	0	-4	7	5	0	-7	11	7
5-9	10	8	1	4	-14	-12	-1	-3	-24	-20	-1	-4
10-14	-22	-24	14	12	33	36	-10	-8	55	61	-15	-12
15-19	-63	-43	-33	-37	95	64	22	25	160	108	34	37
20-24	-37	-12	-93	-62	55	19	62	42	93	31	94	63
25-29	4	3	-50	-15	-6	-4	33	10	-10	-7	50	15
30-34	-1	-3	9	5	1	5	-6	-4	2	8	-9	-5
35-39	-1	-4	-2	-5	1	6	1	3	2	10	2	5
40-44	3	-3	-1	-6	-4	4	1	4	-7	7	1	6
45-49	6	-1	4	-4	-8	1	-3	2	-14	2	-4	4
50-54	3	-2	8	-1	-5	3	-6	1	-8	5	-8	1
55-59	-3	-5	5	-3	5	8	-3	2	8	14	-5	3
60-64	-2	-3	-5	-8	4	5	3	5	6	8	5	8
65-69	0	1	-3	-4	0	-2	2	3	-1	-3	3	4
70-74	7	6	1	2	-10	-10	0	-1	-17	-16	-1	-2
75-79	4	8	10	9	-7	-12	-7	-6	-11	-20	-10	-10
80-84	-13	-6	6	12	20	9	-4	-8	34	15	-6	-12
85+	-15	-7	-41	-19	23	11	27	13	38	18	41	19
SUBTOTAL	-120	-84	-181	-126	180	126	121	84	303	212	183	127
TOTAL		-204		-306		307		206		515		310

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.01%	0.08%	-0.36%	-0.21%	-0.01%	-0.11%	0.22%	0.12%	-0.01%	-0.18%	0.32%	0.19%
5-9	0.29%	0.27%	0.03%	0.14%	-0.47%	-0.38%	-0.02%	-0.08%	-0.70%	-0.59%	-0.03%	-0.12%
10-14	-0.62%	-0.71%	0.44%	0.39%	1.10%	1.17%	-0.32%	-0.25%	1.66%	1.91%	-0.42%	-0.33%
15-19	-1.75%	-1.24%	-0.97%	-1.10%	2.90%	2.11%	0.75%	0.79%	5.30%	3.43%	1.01%	1.06%
20-24	-1.01%	-0.38%	-2.63%	-1.83%	1.63%	0.57%	1.86%	1.34%	3.11%	1.00%	2.99%	1.92%
25-29	0.15%	0.12%	-1.39%	-0.46%	-0.17%	-0.13%	0.97%	0.31%	-0.29%	-0.22%	1.65%	0.48%
30-34	-0.02%	-0.11%	0.34%	0.21%	0.03%	0.14%	-0.17%	-0.11%	0.05%	0.23%	-0.26%	-0.17%
35-39	-0.03%	-0.14%	-0.06%	-0.17%	0.04%	0.23%	0.03%	0.10%	0.06%	0.31%	0.05%	0.15%
40-44	0.09%	-0.08%	-0.04%	-0.20%	-0.15%	0.14%	0.03%	0.15%	-0.21%	0.27%	0.03%	0.17%
45-49	0.17%	-0.02%	0.14%	-0.11%	-0.32%	0.04%	-0.11%	0.09%	-0.56%	0.07%	-0.13%	0.12%
50-54	0.09%	-0.05%	0.25%	-0.03%	-0.17%	0.09%	-0.21%	0.02%	-0.32%	0.18%	-0.34%	0.04%
55-59	-0.08%	-0.14%	0.13%	-0.08%	0.14%	0.25%	-0.11%	0.06%	0.30%	0.45%	-0.18%	0.11%
60-64	-0.07%	-0.09%	-0.14%	-0.21%	0.11%	0.13%	0.11%	0.17%	0.22%	0.26%	0.21%	0.32%
65-69	0.01%	0.03%	-0.11%	-0.13%	-0.01%	-0.05%	0.07%	0.09%	-0.03%	-0.08%	0.13%	0.16%
70-74	0.34%	0.29%	0.03%	0.07%	-0.40%	-0.33%	-0.02%	-0.04%	-0.67%	-0.52%	-0.03%	-0.07%
75-79	0.32%	0.49%	0.64%	0.53%	-0.35%	-0.53%	-0.34%	-0.28%	-0.52%	-0.89%	-0.51%	-0.40%
80-84	-1.57%	-0.52%	0.64%	0.94%	1.84%	0.66%	-0.31%	-0.46%	2.48%	0.88%	-0.42%	-0.64%
85+	-1.82%	-0.57%	-4.14%	-1.55%	2.02%	0.83%	2.03%	0.93%	2.42%	1.29%	2.30%	1.10%
SUBTOTAL	-0.24%	-0.16%	-0.36%	-0.24%	0.36%	0.24%	0.24%	0.16%	0.60%	0.40%	0.36%	0.24%
TOTAL		-0.20%		-0.30%		0.30%		0.20%		0.50%		0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Monroe**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	2	7	4	13	2	7	4	11	1	4	-1	-3
5-9	11	7	4	15	11	8	3	12	7	5	-1	-3
10-14	-6	-5	21	16	-7	-5	18	14	-4	-3	-5	-4
15-19	-37	-30	-9	-7	-40	-32	-8	-6	-25	-20	2	2
20-24	-21	-24	-74	-60	-23	-26	-62	-50	-15	-16	17	14
25-29	10	10	-54	-56	10	11	-45	-47	7	7	12	13
30-34	9	0	10	11	9	0	9	10	6	0	-2	-3
35-39	2	-2	18	2	2	-2	15	2	1	-1	-4	0
40-44	3	4	7	-3	3	4	6	-3	2	3	-2	1
45-49	2	-2	7	7	2	-2	6	6	1	-2	-2	-2
50-54	8	4	5	-3	9	5	4	-3	6	3	-1	1
55-59	3	0	17	8	4	0	14	7	2	0	-4	-2
60-64	10	5	9	2	10	6	8	2	7	4	-2	0
65-69	1	-5	21	10	1	-5	17	9	0	-3	-5	-2
70-74	3	-3	5	-8	4	-3	4	-7	2	-2	-1	2
75-79	-5	1	7	-7	-6	1	6	-6	-4	1	-2	2
80-84	-6	-4	-9	1	-7	-4	-8	0	-4	-3	2	0
85+	-5	-3	-27	-15	-5	-3	-23	-12	-3	-2	6	3
SUBTOTAL	-19	-39	-38	-75	-20	-42	-32	-62	-13	-27	9	17
TOTAL		-57		-113		-62		-94		-39		26

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.41%	1.64%	1.05%	3.08%	0.41%	1.65%	0.87%	2.54%	0.26%	1.07%	-0.23%	-0.67%
5-9	2.66%	1.76%	0.99%	3.73%	2.72%	1.71%	0.77%	2.90%	1.71%	1.09%	-0.21%	-0.81%
10-14	-1.56%	-1.23%	5.27%	3.99%	-1.85%	-1.32%	4.17%	2.99%	-1.09%	-0.74%	-1.14%	-0.81%
15-19	-7.91%	-6.69%	-2.31%	-1.83%	-9.40%	-7.66%	-2.12%	-1.52%	-5.70%	-5.10%	0.53%	0.39%
20-24	-4.72%	-5.31%	-17.46%	-14.48%	-5.90%	-6.56%	-16.31%	-12.93%	-4.10%	-4.88%	4.08%	3.08%
25-29	2.84%	2.87%	-12.55%	-13.31%	3.00%	3.18%	-12.28%	-12.87%	2.09%	2.22%	3.60%	3.38%
30-34	2.31%	0.02%	3.02%	3.10%	2.47%	0.02%	2.46%	2.65%	1.83%	0.01%	-0.74%	-0.77%
35-39	0.57%	-0.52%	4.95%	0.58%	0.66%	-0.55%	4.10%	0.45%	0.41%	-0.36%	-1.31%	-0.14%
40-44	0.77%	0.90%	1.93%	-0.94%	0.88%	1.23%	1.71%	-0.78%	0.56%	0.71%	-0.46%	0.22%
45-49	0.36%	-0.55%	1.80%	1.64%	0.50%	-0.67%	1.60%	1.74%	0.34%	-0.45%	-0.44%	-0.44%
50-54	1.62%	0.80%	0.97%	-0.83%	2.21%	1.07%	1.06%	-0.78%	1.49%	0.82%	-0.31%	0.21%
55-59	0.63%	0.07%	3.45%	1.53%	0.84%	0.11%	3.61%	1.57%	0.69%	0.07%	-1.05%	-0.54%
60-64	1.87%	0.95%	1.86%	0.39%	2.28%	1.13%	1.92%	0.47%	1.81%	0.97%	-0.68%	-0.14%
65-69	0.14%	-0.94%	4.28%	2.05%	0.15%	-1.08%	4.02%	1.89%	0.12%	-0.70%	-1.38%	-0.63%
70-74	0.91%	-0.77%	1.18%	-1.71%	0.90%	-0.71%	0.98%	-1.52%	0.64%	-0.50%	-0.33%	0.59%
75-79	-1.79%	0.32%	2.45%	-2.20%	-1.85%	0.25%	1.87%	-1.57%	-1.16%	0.16%	-0.57%	0.47%
80-84	-3.82%	-1.91%	-4.45%	0.27%	-3.02%	-1.62%	-3.56%	0.16%	-1.76%	-0.89%	0.96%	-0.05%
85+	-2.99%	-1.48%	-14.14%	-8.68%	-2.25%	-1.63%	-8.35%	-6.38%	-1.13%	-0.97%	1.91%	1.40%
SUBTOTAL	-0.26%	-0.54%	-0.55%	-1.05%	-0.29%	-0.60%	-0.48%	-0.91%	-0.20%	-0.40%	0.14%	0.26%
TOTAL		-0.40%		-0.80%		-0.45%		-0.70%		-0.30%		0.20%

Prepared by:
 Dr. Jian He, State Demographer
 Research Office of Ohio Department Services Agency
 May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Montgomery**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-523	-490	-315	-240	-320	-300	-137	-104	-38	-36	80	61
5-9	-460	-466	-434	-410	-282	-285	-189	-178	-34	-34	110	104
10-14	-804	-721	-375	-381	-492	-441	-163	-165	-59	-53	95	97
15-19	-1,405	-839	-673	-602	-859	-513	-293	-262	-103	-62	171	153
20-24	-445	0	-1,176	-693	-272	0	-511	-301	-33	0	298	176
25-29	-84	-358	-325	34	-51	-219	-141	15	-6	-26	82	-9
30-34	-736	-832	-56	-310	-450	-509	-24	-135	-54	-61	14	79
35-39	-670	-608	-630	-701	-410	-372	-274	-305	-49	-45	160	178
40-44	-376	-409	-545	-489	-230	-250	-237	-213	-28	-30	138	124
45-49	-217	-295	-296	-328	-132	-180	-129	-143	-16	-22	75	83
50-54	-176	-306	-172	-237	-108	-187	-75	-103	-13	-22	44	60
55-59	-236	-295	-143	-252	-144	-181	-62	-109	-17	-22	36	64
60-64	-295	-248	-196	-242	-180	-185	-85	-105	-22	-18	50	61
65-69	-91	-91	-244	-201	-56	-56	-106	-87	-7	-7	62	51
70-74	77	32	-66	-68	47	19	-29	-30	6	2	17	17
75-79	100	112	69	31	61	69	30	13	7	8	-18	-8
80-84	-261	-183	83	95	-160	-112	36	41	-19	-13	-21	-24
85+	-292	-207	-457	-324	-178	-127	-199	-141	-21	-15	116	82
SUBTOTAL	-6,895	-6,205	-5,954	-5,317	-4,216	-3,794	-2,589	-2,312	-507	-456	1,510	1,348
TOTAL		-13,100		-11,270		-8,010		-4,901		-962		2,858

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-3.22%	-2.89%	-1.97%	-1.44%	-2.04%	-1.83%	-0.90%	-0.65%	-0.25%	-0.23%	0.52%	0.38%
5-9	-2.72%	-2.83%	-2.76%	-2.49%	-1.80%	-1.73%	-1.23%	-1.11%	-0.22%	-0.21%	0.73%	0.66%
10-14	-4.69%	-4.38%	-2.28%	-2.38%	-3.22%	-2.74%	-1.06%	-1.02%	-0.39%	-0.33%	0.63%	0.61%
15-19	-8.07%	-5.02%	-4.14%	-3.83%	-5.36%	-3.30%	-1.99%	-1.68%	-0.68%	-0.40%	1.14%	0.96%
20-24	-2.58%	0.00%	-7.40%	-4.38%	-1.76%	0.00%	-3.40%	-2.01%	-0.23%	0.00%	2.00%	1.11%
25-29	-0.54%	-2.20%	-1.95%	0.20%	-0.35%	-1.45%	-0.94%	0.10%	-0.04%	-0.18%	0.58%	-0.06%
30-34	-4.47%	-4.70%	-0.37%	-1.95%	-2.78%	-3.03%	-0.17%	-0.91%	-0.37%	-0.42%	0.10%	0.54%
35-39	-4.38%	-3.78%	-4.05%	-4.19%	-2.73%	-2.41%	-1.76%	-1.89%	-0.35%	-0.28%	1.10%	1.20%
40-44	-2.51%	-2.56%	-3.80%	-3.20%	-1.57%	-1.58%	-1.65%	-1.43%	-0.18%	-0.21%	1.00%	0.87%
45-49	-1.37%	-1.73%	-2.08%	-2.14%	-0.98%	-1.24%	-0.92%	-0.93%	-0.12%	-0.14%	0.52%	0.54%
50-54	-0.98%	-1.59%	-1.15%	-1.45%	-0.80%	-1.28%	-0.58%	-0.73%	-0.10%	-0.16%	0.33%	0.43%
55-59	-1.30%	-1.48%	-0.84%	-1.36%	-1.02%	-1.15%	-0.49%	-0.78%	-0.14%	-0.16%	0.28%	0.44%
60-64	-1.88%	-1.37%	-1.18%	-1.29%	-1.14%	-0.87%	-0.65%	-0.71%	-0.18%	-0.12%	0.44%	0.47%
65-69	-0.70%	-0.58%	-1.79%	-1.22%	-0.38%	-0.32%	-0.77%	-0.55%	-0.06%	-0.04%	0.59%	0.41%
70-74	0.88%	0.29%	-0.62%	-0.50%	0.42%	0.14%	-0.24%	-0.20%	0.05%	0.02%	0.18%	0.14%
75-79	1.68%	1.35%	1.03%	0.34%	0.75%	0.61%	0.35%	0.11%	0.08%	0.07%	-0.20%	-0.07%
80-84	-6.22%	-2.82%	2.00%	1.50%	-3.47%	-1.65%	0.65%	0.49%	-0.33%	-0.16%	-0.33%	-0.26%
85+	-6.07%	-2.84%	-9.02%	-4.53%	-3.38%	-1.79%	-3.47%	-1.94%	-0.32%	-0.21%	1.55%	0.89%
SUBTOTAL	-2.74%	-2.28%	-2.43%	-1.99%	-1.76%	-1.45%	-1.11%	-0.90%	-0.22%	-0.18%	0.67%	0.54%
TOTAL		-2.50%		-2.20%		-1.60%		-1.00%		-0.20%		0.60%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Morgan**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	1	2	1	0	0	2	1	0	-1	3	2
5-9	3	2	0	-1	-1	-1	0	-1	-4	-3	0	-1
10-14	-6	-7	-2	-2	3	3	-3	-2	8	9	-4	-4
15-19	-18	-12	5	5	9	6	6	7	23	16	10	11
20-24	-11	-4	13	9	5	2	17	11	13	5	28	18
25-29	1	1	7	2	-1	0	9	3	-1	-1	15	4
30-34	0	-1	-1	-1	0	0	-2	-1	0	1	-3	-2
35-39	0	-1	0	1	0	1	0	1	0	1	0	1
40-44	1	-1	0	1	0	0	0	1	-1	1	0	2
45-49	2	0	-1	1	-1	0	-1	1	-2	0	-1	1
50-54	1	-1	-1	0	0	0	-2	0	-1	1	-2	0
55-59	-1	-2	-1	0	0	1	-1	1	1	2	-1	1
60-64	-1	-1	1	1	0	0	1	-1	1	1	1	2
65-69	0	0	0	1	0	0	1	1	0	0	1	1
70-74	2	2	0	0	-1	-1	0	0	-2	-2	0	-1
75-79	1	2	-1	-1	-1	-1	-2	-2	-2	-3	-3	-3
80-84	-4	-2	-1	-2	2	1	-1	-2	5	2	-2	-3
85+	-4	-2	6	3	2	1	7	3	6	3	12	6
SUBTOTAL	-35	-24	26	18	17	12	33	23	44	31	53	37
TOTAL		-59		44		29		56		75		91

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.01%	0.18%	0.40%	0.23%	-0.01%	-0.09%	0.55%	0.31%	-0.02%	-0.24%	0.95%	0.54%
5-9	0.62%	0.53%	-0.03%	-0.15%	-0.34%	-0.27%	-0.04%	-0.19%	-0.93%	-0.71%	-0.07%	-0.33%
10-14	-1.32%	-1.64%	-0.45%	-0.38%	0.80%	0.84%	-0.67%	-0.52%	2.00%	2.12%	-1.14%	-0.89%
15-19	-3.10%	-2.67%	1.02%	1.26%	1.99%	1.38%	1.61%	1.68%	5.91%	3.82%	2.46%	2.56%
20-24	-1.98%	-0.72%	2.35%	1.96%	1.11%	0.42%	3.81%	2.58%	3.51%	1.00%	6.73%	4.28%
25-29	0.32%	0.22%	1.35%	0.43%	-0.10%	-0.09%	1.96%	0.66%	-0.31%	-0.25%	3.73%	1.07%
30-34	-0.05%	-0.21%	-0.35%	-0.19%	0.02%	0.09%	-0.29%	-0.21%	0.05%	0.24%	-0.57%	-0.35%
35-39	-0.06%	-0.27%	0.06%	0.17%	0.03%	0.14%	0.06%	0.18%	0.05%	0.29%	0.10%	0.34%
40-44	0.19%	-0.19%	0.04%	0.19%	-0.11%	0.09%	0.06%	0.27%	-0.20%	0.25%	0.06%	0.36%
45-49	0.37%	-0.05%	-0.15%	0.13%	-0.22%	0.03%	-0.22%	0.17%	-0.63%	0.07%	-0.26%	0.22%
50-54	0.18%	-0.10%	-0.28%	0.03%	-0.12%	0.07%	-0.44%	0.05%	-0.36%	0.18%	-0.78%	0.08%
55-59	-0.16%	-0.27%	-0.13%	0.07%	0.10%	0.18%	-0.22%	0.14%	0.33%	0.53%	-0.42%	0.22%
60-64	-0.14%	-0.19%	0.14%	0.20%	0.07%	0.09%	0.24%	0.37%	0.25%	0.29%	0.48%	0.65%
65-69	0.02%	0.06%	0.11%	0.13%	-0.01%	-0.03%	0.15%	0.16%	-0.03%	-0.08%	0.32%	0.37%
70-74	0.61%	0.53%	-0.02%	-0.06%	-0.26%	-0.21%	-0.03%	-0.07%	-0.71%	-0.47%	-0.07%	-0.16%
75-79	0.51%	0.82%	-0.57%	-0.47%	-0.20%	-0.31%	-0.66%	-0.49%	-0.56%	-0.84%	-1.11%	-0.73%
80-84	-2.59%	-0.89%	-0.54%	-0.80%	1.18%	0.40%	-0.55%	-0.81%	2.74%	0.82%	-0.98%	-1.16%
85+	-3.16%	-1.15%	3.28%	1.33%	0.99%	0.43%	3.13%	1.44%	1.96%	1.05%	4.05%	1.86%
SUBTOTAL	-0.47%	-0.33%	0.36%	0.24%	0.24%	0.16%	0.49%	0.32%	0.66%	0.43%	0.82%	0.53%
TOTAL		-0.40%		0.30%		0.20%		0.40%		0.54%		0.67%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Morrow**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	111	139	65	34	141	175	82	43	178	222	114	59
5-9	220	147	102	131	278	186	129	166	351	235	179	230
10-14	84	-1	204	130	106	-1	258	165	134	-1	358	229
15-19	-325	-279	62	-13	-411	-352	79	-16	-519	-445	109	-23
20-24	-248	-141	-321	-269	-314	-179	-406	-340	-397	-226	-564	-472
25-29	124	142	-210	-112	157	180	-266	-141	198	227	-369	-196
30-34	171	163	140	148	217	206	177	188	274	261	246	260
35-39	156	62	153	144	197	78	193	182	249	98	269	253
40-44	103	74	136	46	130	93	173	58	164	117	240	81
45-49	99	86	86	67	125	109	109	85	158	138	152	117
50-54	95	39	88	78	120	49	111	98	151	62	154	136
55-59	34	24	83	30	43	30	106	38	55	38	147	53
60-64	38	28	25	20	48	36	32	26	60	45	45	35
65-69	4	21	34	25	5	26	43	32	6	33	60	45
70-74	14	-1	1	18	17	-1	1	23	22	-2	1	31
75-79	-26	14	13	-3	-33	17	-3	-41	22	23	-5	-5
80-84	-28	-15	-26	13	-35	-19	-33	17	-44	-24	-46	24
85+	-30	-20	-49	-32	-38	-25	-62	-41	-48	-32	-86	-56
SUBTOTAL	595	481	586	457	752	608	742	578	951	769	1,030	803
TOTAL		1,077		1,043		1,360		1,320		1,720		1,832

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	11.50%	13.75%	6.43%	3.21%	15.40%	18.42%	8.68%	4.34%	20.66%	24.71%	12.92%	6.46%
5-9	18.62%	14.35%	9.47%	11.46%	26.10%	17.24%	12.27%	14.76%	34.46%	18.22%	17.29%	20.65%
10-14	6.61%	-0.05%	14.53%	11.11%	9.01%	-0.06%	19.19%	13.04%	11.38%	-0.07%	26.08%	18.20%
15-19	-23.74%	-22.72%	4.62%	-1.03%	-25.77%	-27.07%	6.17%	-1.28%	-32.68%	-35.43%	8.37%	-1.76%
20-24	-18.74%	-11.87%	-30.88%	-28.36%	-22.43%	-14.43%	-34.48%	-35.86%	-29.48%	-37.10%	-52.92%	-48.10%
25-29	15.79%	17.52%	-19.70%	-10.68%	21.99%	26.55%	-24.73%	-13.39%	25.88%	24.86%	-39.26%	-19.10%
30-34	20.35%	18.06%	15.53%	15.60%	25.48%	22.17%	20.56%	21.99%	34.09%	25.05%	25.75%	31.36%
35-39	15.55%	6.01%	15.20%	13.54%	19.03%	7.09%	18.29%	16.08%	24.12%	7.47%	25.13%	21.67%
40-44	8.95%	6.40%	11.97%	4.30%	11.34%	7.78%	14.24%	5.03%	13.27%	9.65%	19.00%	7.22%
45-49	8.10%	7.66%	7.03%	5.55%	9.95%	9.92%	8.73%	6.67%	11.59%	10.21%	11.03%	8.41%
50-54	7.22%	2.90%	6.91%	6.46%	9.46%	3.90%	8.36%	8.21%	11.55%	4.78%	10.54%	10.31%
55-59	2.57%	1.73%	6.18%	2.25%	3.33%	2.41%	7.95%	3.00%	3.97%	2.89%	10.46%	3.89%
60-64	3.27%	2.46%	2.00%	1.53%	3.59%	2.76%	2.58%	2.13%	4.54%	3.67%	3.36%	2.90%
65-69	0.43%	2.20%	3.10%	2.36%	0.42%	2.14%	3.40%	2.64%	0.53%	2.66%	4.67%	3.80%
70-74	2.23%	-0.15%	0.08%	2.08%	1.85%	-0.14%	0.08%	2.02%	2.02%	-0.15%	0.11%	3.04%
75-79	-5.79%	2.67%	2.68%	-0.46%	-5.50%	2.35%	2.24%	-0.42%	-5.27%	2.67%	2.68%	-0.51%
80-84	-10.58%	-4.70%	-9.28%	3.48%	-10.20%	-4.48%	-8.81%	3.07%	-8.55%	-4.28%	-9.25%	3.29%
85+	-14.26%	-6.25%	-20.00%	-9.81%	-14.17%	-6.60%	-19.50%	-9.84%	-13.53%	-8.45%	-18.66%	-9.86%
SUBTOTAL	3.43%	2.77%	3.26%	2.54%	4.09%	3.31%	3.93%	3.07%	4.97%	4.03%	5.27%	4.13%
TOTAL		3.10%		2.90%		3.70%		3.50%		4.50%		4.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Muskingum**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	3	-15	-9	1	7	-27	-17	0	5	-6	-4
5-9	12	10	1	6	28	23	2	10	19	16	0	2
10-14	-27	-30	20	16	-63	-69	35	29	-44	-49	8	6
15-19	-78	-53	-46	-51	-183	-124	-82	-90	-128	-87	-18	-20
20-24	-45	-15	-128	-86	-106	-36	-228	-153	-74	-25	-49	-33
25-29	5	4	-68	-21	11	9	-122	-37	8	6	-26	-8
30-34	-1	-4	12	7	-2	-9	22	13	-1	-6	5	3
35-39	-1	-5	-2	-7	-2	-11	-4	-12	-1	-8	-1	-3
40-44	3	-3	-1	-8	8	-8	-3	-14	6	-5	-1	-3
45-49	7	-1	6	-5	16	-2	11	-9	11	-2	2	-2
50-54	4	-2	11	-1	10	-6	20	-2	7	-4	4	-1
55-59	-4	-7	6	-4	-9	-16	11	-7	-6	-11	2	-2
60-64	-3	-4	-7	-11	-7	-9	-12	-20	-5	-6	-3	-4
65-69	0	1	-4	-6	1	3	-8	-11	1	2	-2	-2
70-74	8	8	1	3	20	18	1	5	14	13	0	1
75-79	5	10	14	13	13	23	25	23	9	16	5	5
80-84	-17	-7	8	16	-38	-17	15	28	-27	-12	3	6
85+	-19	-9	-56	-26	-44	-20	-100	-47	-31	-14	-22	-10
SUBTOTAL	-149	-104	-249	-173	-346	-243	-444	-309	-242	-170	-96	-67
TOTAL		-253		-422		-590		-753		-412		-163

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.01%	0.12%	-0.57%	-0.33%	0.02%	0.26%	-0.99%	-0.57%	0.01%	0.19%	-0.22%	-0.13%
5-9	0.44%	0.39%	0.05%	0.22%	1.05%	0.84%	0.08%	0.36%	0.71%	0.56%	0.02%	0.08%
10-14	-0.96%	-1.12%	0.73%	0.64%	-2.51%	-2.65%	1.32%	1.04%	-1.58%	-1.72%	0.28%	0.22%
15-19	-2.51%	-1.79%	-1.65%	-1.92%	-6.66%	-4.82%	-3.39%	-3.55%	-4.73%	-3.52%	-0.65%	-0.68%
20-24	-1.53%	-0.53%	-4.23%	-2.94%	-3.90%	-1.39%	-8.99%	-6.26%	-3.19%	-1.10%	-1.94%	-1.21%
25-29	0.21%	0.15%	-2.36%	-0.72%	0.40%	0.30%	-4.72%	-1.46%	0.35%	0.24%	-1.18%	-0.33%
30-34	-0.04%	-0.15%	0.53%	0.30%	-0.07%	-0.31%	0.76%	0.46%	-0.06%	-0.22%	0.21%	0.12%
35-39	-0.04%	-0.20%	-0.09%	-0.27%	-0.09%	-0.46%	-0.14%	-0.42%	-0.05%	-0.28%	-0.03%	-0.10%
40-44	0.14%	-0.12%	-0.06%	-0.32%	0.36%	-0.31%	-0.11%	-0.57%	0.21%	-0.22%	-0.02%	-0.11%
45-49	0.26%	-0.04%	0.24%	-0.19%	0.72%	-0.10%	0.47%	-0.37%	0.53%	-0.07%	0.09%	-0.07%
50-54	0.15%	-0.08%	0.43%	-0.05%	0.41%	-0.22%	0.93%	-0.10%	0.31%	-0.17%	0.21%	-0.02%
55-59	-0.12%	-0.21%	0.23%	-0.13%	-0.35%	-0.59%	0.49%	-0.28%	-0.29%	-0.45%	0.12%	-0.07%
60-64	-0.11%	-0.14%	-0.23%	-0.36%	-0.27%	-0.32%	-0.51%	-0.79%	-0.22%	-0.26%	-0.13%	-0.20%
65-69	0.02%	0.05%	-0.19%	-0.23%	0.03%	0.11%	-0.36%	-0.41%	0.03%	0.08%	-0.09%	-0.11%
70-74	0.57%	0.43%	0.05%	0.12%	1.04%	0.81%	0.07%	0.18%	0.75%	0.52%	0.02%	0.05%
75-79	0.51%	0.74%	1.23%	0.85%	0.94%	1.32%	1.72%	1.22%	0.56%	0.85%	0.38%	0.26%
80-84	-2.30%	-0.71%	1.12%	1.57%	-4.83%	-1.49%	1.56%	2.13%	-2.64%	-0.87%	0.29%	0.40%
85+	-2.71%	-0.81%	-7.01%	-2.43%	-5.06%	-1.90%	-10.89%	-4.17%	-2.96%	-1.33%	-1.86%	-0.74%
SUBTOTAL	-0.36%	-0.24%	-0.61%	-0.40%	-0.85%	-0.56%	-1.10%	-0.71%	-0.61%	-0.40%	-0.25%	-0.16%
TOTAL		-0.30%		-0.50%		-0.70%		-0.90%		-0.50%		-0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Noble**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	-1	2	1	0	0	1	1	0	0	1	1
5-9	-3	-3	0	-1	-1	-1	0	0	-1	-1	0	0
10-14	8	8	-2	-2	3	3	-1	-1	3	3	-1	-1
15-19	22	15	5	6	8	5	3	3	8	5	3	3
20-24	13	4	15	10	4	2	8	5	5	2	8	5
25-29	-1	-1	8	2	0	0	4	1	0	0	4	1
30-34	0	1	-1	-1	0	0	-1	0	0	0	-1	0
35-39	0	1	0	1	0	0	0	0	0	0	0	0
40-44	-1	1	0	1	0	0	0	0	0	0	0	0
45-49	-2	0	-1	1	-1	0	0	0	-1	0	0	0
50-54	-1	1	-1	0	0	0	-1	0	0	0	-1	0
55-59	1	2	-1	0	0	1	0	0	0	1	0	0
60-64	1	1	1	1	0	0	0	1	0	0	0	1
65-69	0	0	1	1	0	0	0	0	0	0	0	0
70-74	-2	-2	0	0	-1	-1	0	0	-1	-1	0	0
75-79	-2	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1
80-84	5	2	-1	-2	2	1	0	-1	2	1	-1	-1
85+	5	2	6	3	2	1	3	2	2	1	3	2
SUBTOTAL	42	30	29	20	15	10	15	10	15	11	15	11
TOTAL		72		49		25		25		26		26

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.02%	-0.23%	0.43%	0.25%	0.00%	-0.06%	0.19%	0.11%	0.00%	-0.06%	0.18%	0.10%
5-9	-0.89%	-0.79%	-0.04%	-0.18%	-0.28%	-0.23%	-0.02%	-0.07%	-0.24%	-0.21%	-0.02%	-0.07%
10-14	2.18%	2.31%	-0.61%	-0.53%	0.71%	0.76%	-0.29%	-0.23%	0.58%	0.70%	-0.25%	-0.20%
15-19	5.85%	3.88%	1.50%	1.56%	2.06%	1.47%	0.75%	0.79%	1.93%	1.38%	0.61%	0.64%
20-24	2.81%	1.15%	3.68%	2.44%	1.24%	0.40%	2.03%	1.43%	1.25%	0.43%	1.91%	1.22%
25-29	-0.43%	-0.31%	1.68%	0.62%	-0.12%	-0.09%	1.13%	0.32%	-0.13%	-0.10%	1.14%	0.33%
30-34	0.07%	0.34%	-0.44%	-0.26%	0.02%	0.10%	-0.18%	-0.11%	0.02%	0.09%	-0.20%	-0.13%
35-39	0.08%	0.40%	0.07%	0.25%	0.03%	0.14%	0.03%	0.10%	0.02%	0.13%	0.04%	0.11%
40-44	-0.30%	0.28%	0.05%	0.26%	-0.10%	0.10%	0.03%	0.14%	-0.08%	0.10%	0.02%	0.12%
45-49	-0.50%	0.07%	-0.21%	0.18%	-0.23%	0.03%	-0.10%	0.10%	-0.23%	0.03%	-0.08%	0.08%
50-54	-0.25%	0.15%	-0.34%	0.04%	-0.13%	0.07%	-0.23%	0.02%	-0.13%	0.07%	-0.23%	0.03%
55-59	0.23%	0.41%	-0.16%	0.10%	0.10%	0.18%	-0.13%	0.08%	0.14%	0.22%	-0.12%	0.08%
60-64	0.20%	0.29%	0.17%	0.29%	0.07%	0.09%	0.11%	0.19%	0.11%	0.12%	0.16%	0.22%
65-69	-0.03%	-0.11%	0.14%	0.19%	-0.01%	-0.03%	0.07%	0.09%	-0.01%	-0.03%	0.11%	0.13%
70-74	-1.04%	-0.89%	-0.03%	-0.10%	-0.25%	-0.23%	-0.01%	-0.04%	-0.26%	-0.21%	-0.02%	-0.05%
75-79	-0.83%	-1.21%	-0.90%	-0.70%	-0.22%	-0.39%	-0.32%	-0.27%	-0.20%	-0.36%	-0.34%	-0.27%
80-84	3.92%	1.30%	-0.70%	-1.05%	1.24%	0.44%	-0.28%	-0.50%	0.88%	0.39%	-0.26%	-0.41%
85+	6.17%	1.73%	6.30%	2.02%	1.59%	0.54%	2.83%	1.01%	1.35%	0.57%	2.19%	0.87%
SUBTOTAL	0.71%	0.49%	0.47%	0.33%	0.24%	0.16%	0.24%	0.16%	0.24%	0.16%	0.24%	0.16%
TOTAL		0.60%		0.40%		0.20%		0.20%		0.20%		0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Ottawa**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	23	25	-1	3	33	36	-5	9	65	70	-9	16
5-9	44	41	14	15	62	58	44	48	121	112	84	90
10-14	1	-4	26	24	1	-6	82	77	2	-12	156	145
15-19	-111	-109	0	-3	-158	-155	0	-9	-308	-301	0	-16
20-24	-120	-87	-66	-64	-170	-123	-211	-207	-330	-239	-399	-391
25-29	16	23	-70	-51	22	32	-224	-162	43	63	-424	-306
30-34	24	26	10	14	34	37	32	45	65	72	60	84
35-39	25	22	14	15	36	31	45	49	70	61	84	93
40-44	33	22	15	13	46	31	47	41	90	60	90	78
45-49	39	35	19	13	56	50	61	40	109	97	116	77
50-54	35	38	23	21	50	54	74	66	97	104	140	126
55-59	48	33	21	22	68	47	66	71	132	91	124	134
60-64	42	24	28	19	59	35	90	62	115	67	170	117
65-69	6	5	24	14	8	8	78	46	16	15	148	86
70-74	12	6	3	3	17	8	10	10	32	15	19	19
75-79	0	16	7	3	-1	22	22	10	-1	43	42	20
80-84	-18	4	0	9	-25	5	-1	30	-50	10	-2	56
85+	-18	3	-21	4	-26	5	-68	13	-51	10	-128	24
SUBTOTAL	79	122	45	74	112	174	143	238	217	338	270	450
TOTAL		201		119		285		381		555		720

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.48%	2.53%	-0.15%	0.26%	3.20%	3.27%	-0.45%	0.77%	6.82%	6.98%	-1.01%	1.74%
5-9	4.35%	3.96%	1.43%	1.46%	6.30%	5.54%	4.14%	4.22%	11.29%	9.50%	8.30%	8.45%
10-14	0.05%	-0.36%	2.46%	2.23%	0.08%	-0.57%	7.89%	6.96%	0.14%	-0.98%	13.14%	11.56%
15-19	-8.43%	-8.87%	0.01%	-0.24%	-14.78%	-14.22%	0.02%	-0.85%	-27.40%	-29.52%	0.03%	-1.41%
20-24	-8.90%	-7.14%	-5.45%	-5.77%	-14.48%	-10.78%	-23.20%	-22.18%	-33.73%	-33.03%	-49.06%	-45.03%
25-29	1.70%	2.59%	-5.76%	-4.51%	1.95%	3.07%	-22.53%	-16.01%	6.21%	7.36%	-65.85%	-39.62%
30-34	2.60%	2.87%	1.07%	1.56%	2.96%	3.48%	2.77%	4.15%	8.55%	6.46%	8.23%	10.82%
35-39	2.64%	2.31%	1.51%	1.65%	3.87%	3.46%	3.86%	4.48%	5.99%	5.29%	10.28%	10.18%
40-44	3.03%	1.94%	1.53%	1.33%	5.05%	3.26%	5.02%	4.43%	7.67%	6.17%	7.40%	6.67%
45-49	3.24%	2.76%	1.76%	1.13%	5.82%	5.20%	6.50%	4.23%	11.20%	9.78%	9.36%	6.49%
50-54	2.22%	2.35%	1.88%	1.61%	4.60%	4.86%	7.45%	6.70%	9.87%	9.89%	13.26%	12.25%
55-59	2.73%	1.83%	1.32%	1.38%	5.63%	3.67%	6.03%	6.28%	12.84%	7.58%	11.96%	12.76%
60-64	2.57%	1.47%	1.65%	1.09%	3.98%	2.20%	7.48%	4.84%	10.58%	5.04%	15.55%	10.78%
65-69	0.39%	0.37%	1.59%	0.90%	0.51%	0.46%	5.49%	3.02%	1.34%	0.97%	13.33%	7.50%
70-74	1.12%	0.49%	0.26%	0.24%	1.29%	0.55%	0.76%	0.66%	2.61%	1.01%	1.91%	1.66%
75-79	-0.07%	2.07%	0.81%	0.35%	-0.07%	2.08%	2.11%	0.89%	-0.13%	3.68%	4.08%	1.71%
80-84	-4.48%	0.65%	-0.08%	1.61%	-4.60%	0.73%	-0.18%	3.64%	-7.21%	1.17%	-0.32%	5.89%
85+	-4.05%	0.57%	-4.15%	0.67%	-4.46%	0.81%	-10.03%	1.91%	-6.51%	1.40%	-15.08%	2.83%
SUBTOTAL	0.40%	0.60%	0.23%	0.37%	0.58%	0.88%	0.77%	1.22%	1.20%	1.78%	1.54%	2.43%
TOTAL		0.50%		0.30%		0.73%		1.00%		1.50%		2.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Paulding**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	67	58	21	29	59	51	18	25	32	27	5	7
5-9	14	-11	54	47	12	-10	46	40	7	-5	14	12
10-14	-29	-55	16	-4	-26	-48	14	-3	-14	-26	4	-1
15-19	-157	-148	-21	-42	-138	-131	-18	-36	-74	-70	-5	-11
20-24	-122	-97	-122	-117	-108	-86	-104	-100	-58	-46	-31	-30
25-29	2	-2	-105	-86	2	-2	-90	-73	1	-1	-27	-22
30-34	13	-2	-9	-10	12	-2	-7	-9	6	-1	-2	-3
35-39	-11	-8	9	-2	-9	-7	8	-2	-5	-4	2	-1
40-44	-13	-20	-7	-7	-12	-18	-6	-6	-6	-9	-2	-2
45-49	18	-18	-11	-16	16	-16	-9	-14	9	-9	-3	-4
50-54	4	-2	13	-16	4	-1	11	-13	2	-1	3	-4
55-59	-23	-10	5	-3	-21	-9	4	-2	-11	-5	1	-1
60-64	6	-14	-17	-8	5	-12	-15	-7	3	-6	-4	-2
65-69	-27	-10	3	-11	-24	-8	2	-10	-13	-4	1	-3
70-74	-4	2	-20	-8	-3	2	-17	-7	-2	1	-5	-2
75-79	8	9	-5	1	7	8	-4	1	4	4	-1	0
80-84	-24	-19	6	7	-21	-17	5	6	-11	-9	1	2
85+	-19	-15	-35	-28	-16	-13	-30	-24	-9	-7	-9	-7
SUBTOTAL	-295	-363	-226	-275	-260	-320	-193	-234	-139	-171	-58	-70
TOTAL		-658		-501		-579		-427		-310		-128

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	10.74%	8.86%	3.20%	4.27%	9.84%	8.11%	2.83%	3.78%	5.03%	4.14%	0.69%	0.92%
5-9	2.10%	-1.61%	7.72%	6.62%	1.86%	-1.37%	6.89%	5.90%	1.04%	-0.72%	2.05%	1.75%
10-14	-4.28%	-8.42%	2.34%	-0.56%	-3.47%	-6.40%	2.01%	-0.46%	-1.96%	-3.74%	0.63%	-0.14%
15-19	-23.12%	-22.05%	-3.19%	-7.09%	-19.78%	-19.68%	-2.48%	-5.09%	-10.73%	-10.44%	-0.77%	-1.56%
20-24	-17.57%	-15.44%	-23.50%	-22.43%	-17.21%	-15.56%	-18.61%	-18.76%	-8.35%	-10.62%	-5.07%	-4.83%
25-29	0.49%	-0.46%	-18.49%	-16.17%	0.55%	-0.51%	-17.42%	-15.76%	0.26%	-0.28%	-4.26%	-3.53%
30-34	2.49%	-0.32%	-1.70%	-2.05%	2.52%	-0.35%	-1.86%	-2.20%	1.48%	-0.21%	-0.49%	-0.61%
35-39	-1.86%	-1.56%	1.71%	-0.44%	-1.90%	-1.48%	1.67%	-0.46%	-1.31%	-0.89%	0.55%	-0.16%
40-44	-2.18%	-3.47%	-1.29%	-1.26%	-2.14%	-3.31%	-1.27%	-1.16%	-1.32%	-2.00%	-0.49%	-0.43%
45-49	3.05%	-2.97%	-1.87%	-2.88%	2.99%	-3.19%	-1.77%	-2.66%	1.86%	-1.73%	-0.60%	-0.97%
50-54	0.60%	-0.23%	2.15%	-2.63%	0.69%	-0.27%	2.04%	-2.74%	0.41%	-0.17%	0.71%	-0.87%
55-59	-3.10%	-1.40%	0.64%	-0.39%	-3.48%	-1.65%	0.72%	-0.46%	-2.08%	-0.96%	0.24%	-0.15%
60-64	0.85%	-1.99%	-2.52%	-1.16%	0.79%	-1.75%	-2.74%	-1.32%	0.56%	-1.22%	-0.90%	-0.48%
65-69	-5.04%	-1.70%	0.44%	-1.80%	-3.84%	-1.28%	0.40%	-1.53%	-2.64%	-0.73%	0.16%	-0.62%
70-74	-1.01%	0.56%	-4.78%	-1.70%	-0.63%	0.40%	-3.47%	-1.23%	-0.36%	0.20%	-1.31%	-0.49%
75-79	3.23%	3.16%	-1.69%	0.29%	2.32%	1.96%	-1.01%	0.20%	1.05%	0.93%	-0.32%	0.06%
80-84	-16.12%	-8.47%	3.04%	3.06%	-10.16%	-6.11%	2.13%	1.86%	-3.79%	-2.87%	0.54%	0.48%
85+	-12.04%	-4.83%	-21.94%	-8.82%	-8.32%	-3.92%	-13.25%	-6.46%	-3.31%	-2.01%	-2.68%	-1.49%
SUBTOTAL	-3.00%	-3.61%	-2.35%	-2.79%	-2.75%	-3.31%	-2.10%	-2.49%	-1.54%	-1.85%	-0.64%	-0.76%
TOTAL		-3.31%		-2.57%		-3.03%		-2.29%		-1.70%		-0.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

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**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Perry**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	-5	11	6	0	-6	14	9	-1	-8	19	12
5-9	-17	-14	-1	-4	-21	-18	-1	-5	-28	-24	-2	-7
10-14	39	43	-14	-11	48	54	-18	-15	64	70	-25	-21
15-19	112	76	32	36	141	96	43	47	185	125	58	64
20-24	65	22	90	60	82	28	118	79	107	36	161	108
25-29	-7	-5	48	15	-9	-7	63	19	-12	-9	86	26
30-34	1	5	-9	-5	2	7	-11	-7	2	9	-15	-9
35-39	1	7	2	5	2	9	2	6	2	11	3	8
40-44	-5	5	1	5	-6	6	1	7	-8	8	2	10
45-49	-10	1	-4	4	-13	2	-5	5	-17	2	-7	6
50-54	-6	3	-8	1	-7	4	-10	1	-10	6	-14	2
55-59	5	10	-4	3	7	12	-6	4	9	16	-8	5
60-64	4	6	5	8	5	7	6	10	7	9	8	14
65-69	0	-2	3	4	-1	-2	4	6	-1	-3	6	8
70-74	-12	-11	-1	-2	-15	-14	-1	-2	-20	-19	-1	-3
75-79	-8	-14	-10	-9	-10	-18	-13	-12	-13	-24	-18	-16
80-84	24	10	-6	-11	30	13	-8	-15	39	17	-10	-20
85+	27	13	39	18	34	16	52	24	44	21	71	33
SUBTOTAL	212	149	174	121	267	188	230	160	351	246	313	218
TOTAL		362		296		455		390		597		531

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.03%	-0.40%	0.88%	0.51%	-0.03%	-0.39%	0.97%	0.56%	-0.04%	-0.49%	1.30%	0.75%
5-9	-1.46%	-1.18%	-0.08%	-0.36%	-1.75%	-1.41%	-0.08%	-0.37%	-1.91%	-1.63%	-0.11%	-0.48%
10-14	3.02%	3.54%	-1.21%	-0.95%	4.42%	4.74%	-1.52%	-1.20%	4.55%	5.66%	-1.73%	-1.37%
15-19	7.88%	5.70%	2.48%	2.85%	12.46%	8.03%	3.75%	3.95%	15.66%	10.18%	3.99%	4.21%
20-24	4.60%	1.66%	5.88%	4.27%	6.16%	2.16%	9.34%	6.15%	9.17%	2.67%	11.85%	7.88%
25-29	-0.71%	-0.55%	3.27%	1.08%	-0.55%	-0.45%	4.52%	1.47%	-0.84%	-0.65%	6.79%	2.06%
30-34	0.12%	0.54%	-0.88%	-0.55%	0.10%	0.50%	-0.71%	-0.46%	0.14%	0.61%	-1.13%	-0.68%
35-39	0.13%	0.64%	0.15%	0.47%	0.17%	0.94%	0.13%	0.45%	0.14%	0.84%	0.19%	0.63%
40-44	-0.45%	0.42%	0.10%	0.50%	-0.63%	0.59%	0.14%	0.76%	-0.57%	0.83%	0.12%	0.67%
45-49	-0.81%	0.11%	-0.39%	0.32%	-1.32%	0.17%	-0.56%	0.47%	-1.83%	0.23%	-0.53%	0.47%
50-54	-0.47%	0.26%	-0.67%	0.08%	-0.73%	0.40%	-1.15%	0.12%	-1.06%	0.55%	-1.67%	0.19%
55-59	0.38%	0.74%	-0.36%	0.22%	0.59%	1.02%	-0.59%	0.35%	1.02%	1.52%	-0.90%	0.52%
60-64	0.36%	0.51%	0.36%	0.62%	0.47%	0.59%	0.59%	0.90%	0.77%	0.82%	1.04%	1.44%
65-69	-0.05%	-0.19%	0.31%	0.40%	-0.05%	-0.20%	0.42%	0.49%	-0.09%	-0.27%	0.71%	0.81%
70-74	-1.87%	-1.65%	-0.07%	-0.21%	-1.72%	-1.55%	-0.08%	-0.23%	-2.34%	-1.82%	-0.13%	-0.34%
75-79	-1.85%	-3.11%	-2.05%	-1.69%	-1.60%	-2.62%	-1.97%	-1.66%	-1.73%	-3.34%	-2.79%	-2.09%
80-84	11.20%	3.08%	-2.29%	-3.39%	10.40%	3.36%	-2.07%	-2.98%	9.96%	3.59%	-2.33%	-3.43%
85+	12.16%	3.40%	13.21%	4.43%	9.37%	3.70%	11.81%	5.03%	8.45%	4.10%	11.42%	5.18%
SUBTOTAL	1.18%	0.82%	0.95%	0.65%	1.43%	0.98%	1.20%	0.81%	1.80%	1.21%	1.57%	1.04%
TOTAL		1.00%		0.80%		1.20%		1.00%		1.50%		1.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Pickaway**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	118	136	13	51	147	171	15	60	177	205	16	65
5-9	139	149	147	170	174	187	175	201	209	225	189	218
10-14	23	36	169	182	29	45	201	215	34	54	217	233
15-19	-258	-186	23	39	-323	-233	27	46	-388	-280	29	50
20-24	-127	-58	-325	-236	-159	-72	-386	-280	-191	-87	-418	-303
25-29	148	184	-147	-64	185	230	-175	-76	223	276	-190	-82
30-34	181	135	192	233	227	169	227	277	272	203	246	300
35-39	150	87	221	161	187	108	262	191	225	130	284	207
40-44	83	67	180	103	104	84	214	122	125	101	232	132
45-49	52	59	98	81	65	74	117	96	78	89	126	104
50-54	55	68	61	71	69	85	73	84	83	102	79	91
55-59	71	11	67	83	89	14	80	98	107	17	87	106
60-64	19	2	87	11	24	2	103	13	29	3	112	15
65-69	11	10	21	2	14	12	25	2	17	14	27	2
70-74	26	29	13	12	33	37	16	14	39	44	17	15
75-79	1	15	32	36	1	19	38	43	2	23	41	47
80-84	-23	-10	0	18	-29	-13	0	21	-35	-16	0	23
85+	-25	-12	-58	-27	-31	-15	-69	-32	-37	-17	-75	-35
SUBTOTAL	645	722	794	925	807	904	942	1,097	969	1,086	1,021	1,189
TOTAL		1,367		1,719		1,711		2,040		2,055		2,210

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	7.81%	8.63%	0.77%	2.95%	8.76%	9.67%	0.82%	3.14%	9.65%	10.65%	0.83%	3.18%
5-9	8.55%	9.31%	9.09%	9.89%	10.57%	10.61%	9.57%	10.41%	11.35%	10.52%	9.43%	10.25%
10-14	1.27%	2.01%	9.62%	10.38%	1.62%	2.41%	11.05%	11.08%	1.72%	2.52%	10.63%	10.64%
15-19	-13.22%	-9.89%	1.24%	2.11%	-16.86%	-12.10%	1.50%	2.40%	-19.37%	-14.23%	1.44%	2.29%
20-24	-6.76%	-3.25%	-19.36%	-13.89%	-8.67%	-3.83%	-24.42%	-16.52%	-10.61%	-6.12%	-26.09%	-16.15%
25-29	11.66%	14.54%	-8.48%	-3.74%	13.74%	15.80%	-10.52%	-4.20%	18.73%	16.03%	-11.86%	-4.37%
30-34	13.55%	9.69%	13.69%	16.18%	14.41%	10.34%	15.00%	16.48%	18.52%	10.38%	17.67%	17.87%
35-39	9.87%	5.26%	14.76%	10.62%	11.96%	6.51%	14.77%	10.68%	13.12%	6.56%	16.52%	10.87%
40-44	4.76%	3.91%	10.96%	6.01%	6.16%	5.06%	12.34%	6.97%	6.24%	5.39%	12.09%	6.45%
45-49	2.81%	3.17%	5.49%	4.57%	3.63%	4.11%	6.64%	5.55%	4.09%	4.86%	6.06%	5.09%
50-54	2.91%	3.52%	3.35%	3.80%	3.79%	4.71%	4.08%	4.63%	4.60%	5.34%	4.13%	4.83%
55-59	3.92%	0.59%	3.62%	4.31%	4.96%	0.76%	4.43%	5.41%	6.07%	0.90%	4.81%	5.88%
60-64	1.26%	0.10%	5.02%	0.61%	1.37%	0.11%	5.95%	0.75%	1.69%	0.14%	6.50%	0.83%
65-69	0.82%	0.67%	1.51%	0.11%	0.84%	0.69%	1.55%	0.11%	1.00%	0.81%	1.71%	0.13%
70-74	2.94%	2.82%	1.19%	0.95%	2.79%	2.64%	1.15%	0.93%	2.91%	2.84%	1.23%	1.04%
75-79	0.17%	1.95%	4.76%	4.29%	0.16%	1.84%	4.29%	3.81%	0.15%	1.91%	4.02%	3.68%
80-84	-6.02%	-2.01%	0.03%	3.10%	-5.94%	-2.02%	0.03%	2.78%	-5.44%	-2.02%	0.02%	2.48%
85+	-8.45%	-2.54%	-17.34%	-5.45%	-8.30%	-2.62%	-16.17%	-5.25%	-7.54%	-3.00%	-13.22%	-4.35%
SUBTOTAL	2.55%	2.75%	3.06%	3.39%	3.02%	3.19%	3.43%	3.73%	3.43%	3.56%	3.52%	3.76%
TOTAL		2.65%		3.23%		3.11%		3.59%		3.50%		3.64%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Pike**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-21	-16	-7	-11	-23	-17	-7	-10	-24	-18	-6	-10
5-9	-30	-18	14	9	-32	-19	13	9	-35	-20	12	8
10-14	8	31	23	14	8	33	22	13	9	35	20	12
15-19	165	121	-2	-19	176	129	-2	-18	188	137	-2	-17
20-24	84	112	-115	-87	90	119	-108	-81	96	127	-100	-76
25-29	-51	-17	-77	-91	-54	-19	-72	-86	-58	-20	-67	-80
30-34	-7	-26	23	-2	-8	-28	22	-2	-8	-29	20	-2
35-39	-11	5	9	18	-12	5	8	16	-13	5	8	15
40-44	-45	-6	9	0	-48	-6	9	0	-52	-6	8	0
45-49	-42	-29	33	4	-45	-31	31	4	-48	-33	29	3
50-54	-48	-53	35	21	-52	-57	32	19	-55	-60	30	18
55-59	-86	-46	39	40	-92	-49	37	38	-98	-52	34	35
60-64	-35	-38	66	38	-38	-41	62	36	-40	-44	58	33
65-69	-29	-16	35	33	-31	-17	33	31	-34	-18	31	29
70-74	-5	-32	26	16	-6	-34	24	15	-6	-36	23	14
75-79	-25	-8	8	24	-26	-9	7	23	-28	-9	7	21
80-84	16	18	18	10	18	19	17	9	19	20	16	8
85+	8	10	-17	-21	9	11	-16	-20	10	12	-15	-19
SUBTOTAL	-157	-8	121	-7	-167	-9	113	-6	-178	-9	106	-6
TOTAL		-165		114		-176		107		-187		100

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-2.36%	-1.65%	-0.69%	-1.01%	-2.19%	-1.54%	-0.60%	-0.88%	-2.25%	-1.58%	-0.52%	-0.77%
5-9	-3.09%	-2.02%	1.55%	0.98%	-3.14%	-1.78%	1.26%	0.80%	-3.12%	-1.87%	1.14%	0.72%
10-14	0.75%	3.32%	2.44%	1.60%	0.92%	3.46%	2.18%	1.23%	0.86%	3.27%	1.90%	1.07%
15-19	16.13%	12.36%	-0.17%	-2.01%	18.20%	14.71%	-0.18%	-1.83%	18.56%	14.36%	-0.15%	-1.50%
20-24	8.06%	11.52%	-9.75%	-7.94%	8.71%	12.89%	-9.47%	-8.11%	10.67%	13.82%	-8.43%	-6.34%
25-29	-6.54%	-2.17%	-6.85%	-8.47%	-5.17%	-1.85%	-6.45%	-8.21%	-5.70%	-2.07%	-6.80%	-7.42%
30-34	-0.93%	-3.27%	3.25%	-0.31%	-0.78%	-2.81%	2.21%	-0.23%	-0.83%	-3.01%	2.15%	-0.24%
35-39	-1.33%	0.54%	1.14%	2.31%	-1.63%	0.63%	0.83%	1.73%	-1.28%	0.53%	0.78%	1.67%
40-44	-5.24%	-0.58%	1.13%	-0.04%	-6.32%	-0.78%	1.22%	-0.04%	-5.25%	-0.83%	0.84%	-0.03%
45-49	-4.79%	-3.05%	4.14%	0.41%	-5.74%	-3.76%	4.43%	0.48%	-7.05%	-4.38%	3.19%	0.36%
50-54	-4.59%	-5.24%	4.29%	2.30%	-6.52%	-6.20%	4.56%	2.51%	-7.92%	-7.65%	4.97%	2.57%
55-59	-8.73%	-4.45%	4.23%	4.36%	-11.94%	-5.54%	5.37%	4.57%	-14.39%	-6.04%	5.80%	5.43%
60-64	-4.19%	-4.54%	8.17%	4.14%	-4.37%	-4.54%	10.15%	4.57%	-6.26%	-5.34%	11.01%	5.03%
65-69	-4.27%	-2.03%	5.13%	4.48%	-4.26%	-1.91%	4.71%	3.92%	-5.91%	-2.19%	6.02%	4.13%
70-74	-1.13%	-5.56%	4.93%	2.49%	-0.99%	-5.20%	4.30%	2.06%	-1.03%	-4.86%	5.32%	2.27%
75-79	-7.99%	-1.93%	2.35%	5.65%	-6.63%	-1.67%	1.80%	4.62%	-6.62%	-1.82%	1.65%	4.06%
80-84	7.87%	5.80%	9.90%	2.98%	7.94%	5.34%	7.10%	2.25%	6.95%	4.89%	6.21%	1.86%
85+	3.89%	3.04%	-6.90%	-5.65%	3.76%	2.91%	-5.98%	-4.65%	3.41%	2.92%	-4.69%	-3.75%
SUBTOTAL	-1.12%	-0.06%	0.87%	-0.04%	-1.20%	-0.06%	0.82%	-0.04%	-1.28%	-0.06%	0.76%	-0.04%
TOTAL		-0.58%		0.40%		-0.61%		0.37%		-0.64%		0.34%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Portage**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	22	27	-2	-2	11	13	9	7	31	39	17	13
5-9	25	34	-5	-7	12	17	21	26	36	49	39	50
10-14	15	13	-6	-8	7	7	23	32	21	19	44	60
15-19	116	148	-3	-3	58	74	13	11	167	213	25	22
20-24	-19	-20	-29	-37	-9	-10	113	145	-27	-29	215	274
25-29	-100	-126	6	7	-50	-63	-24	-27	-143	-181	-46	-52
30-34	-13	-2	25	31	-6	-1	-96	-122	-18	-2	-183	-231
35-39	20	24	2	-1	10	12	-7	5	28	35	-14	9
40-44	22	17	-5	-6	11	8	20	24	32	24	37	45
45-49	18	19	-5	-4	9	10	21	15	25	27	39	28
50-54	15	9	-4	-5	7	4	16	18	21	12	31	34
55-59	4	-4	-3	-2	2	-2	14	8	5	-5	26	14
60-64	4	4	-1	1	2	2	3	-4	5	5	5	-7
65-69	8	6	-1	-1	4	3	4	4	12	9	7	7
70-74	5	9	-2	-1	2	5	8	6	7	13	15	11
75-79	8	13	-1	-2	4	6	4	9	11	18	8	16
80-84	-8	2	-2	-3	-4	1	8	12	-12	3	14	23
85+	-9	1	4	-1	-5	1	-17	2	-14	2	-32	4
SUBTOTAL	131	175	-33	-43	65	87	131	169	189	251	248	320
TOTAL		306		-77		152		300		439		568

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.62%	0.75%	-0.06%	-0.04%	0.27%	0.33%	0.25%	0.18%	0.94%	1.14%	0.58%	0.42%
5-9	0.60%	0.84%	-0.15%	-0.18%	0.32%	0.41%	0.52%	0.64%	0.97%	1.18%	1.18%	1.43%
10-14	0.33%	0.30%	-0.14%	-0.20%	0.21%	0.18%	0.59%	0.78%	0.53%	0.46%	1.19%	1.56%
15-19	2.26%	3.00%	-0.07%	-0.07%	1.39%	1.82%	0.38%	0.31%	4.25%	5.86%	0.63%	0.52%
20-24	-0.34%	-0.40%	-0.55%	-0.73%	-0.20%	-0.23%	2.71%	3.52%	-0.77%	-0.68%	5.27%	6.33%
25-29	-1.45%	-1.73%	0.12%	0.14%	-0.95%	-1.24%	-0.54%	-0.62%	-3.35%	-4.12%	-1.35%	-1.45%
30-34	-0.27%	-0.04%	0.36%	0.44%	-0.12%	-0.02%	-1.89%	-2.46%	-0.41%	-0.05%	-4.45%	-5.69%
35-39	0.47%	0.58%	0.04%	-0.03%	0.14%	0.17%	-0.14%	0.10%	0.56%	0.70%	-0.32%	0.21%
40-44	0.50%	0.36%	-0.12%	-0.14%	0.24%	0.19%	0.29%	0.33%	0.61%	0.33%	0.75%	0.93%
45-49	0.35%	0.36%	-0.12%	-0.08%	0.22%	0.23%	0.46%	0.35%	0.38%	0.63%	0.76%	0.58%
50-54	0.26%	0.14%	-0.08%	-0.09%	0.17%	0.10%	0.41%	0.44%	0.48%	0.30%	0.48%	0.49%
55-59	0.06%	-0.06%	-0.06%	-0.03%	0.04%	-0.03%	0.33%	0.17%	0.13%	-0.12%	0.60%	0.34%
60-64	0.07%	0.07%	-0.01%	0.02%	0.04%	0.03%	0.06%	-0.08%	0.14%	0.11%	0.14%	-0.19%
65-69	0.21%	0.14%	-0.02%	-0.02%	0.08%	0.06%	0.07%	0.07%	0.30%	0.16%	0.19%	0.19%
70-74	0.18%	0.29%	-0.06%	-0.04%	0.07%	0.10%	0.19%	0.12%	0.18%	0.27%	0.45%	0.27%
75-79	0.45%	0.60%	-0.05%	-0.09%	0.15%	0.20%	0.15%	0.24%	0.35%	0.50%	0.27%	0.42%
80-84	-0.70%	0.12%	-0.16%	-0.20%	-0.28%	0.05%	0.42%	0.52%	-0.58%	0.11%	0.64%	0.77%
85+	-0.81%	0.08%	0.32%	-0.03%	-0.32%	0.04%	-1.01%	0.11%	-0.69%	0.09%	-1.40%	0.16%
SUBTOTAL	0.17%	0.22%	-0.04%	-0.06%	0.09%	0.11%	0.18%	0.22%	0.27%	0.33%	0.36%	0.44%
TOTAL		0.20%		-0.05%		0.10%		0.20%		0.30%		0.40%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Preble**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	35	19	26	9	43	23	30	10	50	28	32	11
5-9	26	26	64	34	32	32	72	39	38	38	79	42
10-14	-12	-19	53	49	-15	-24	60	55	-18	-28	65	61
15-19	-96	-76	-15	-28	-120	-95	-17	-31	-141	-111	-19	-34
20-24	-79	-41	-170	-136	-99	-51	-192	-154	-116	-60	-211	-169
25-29	23	19	-159	-88	29	24	-180	-100	34	28	-197	-109
30-34	17	18	22	23	21	22	25	26	25	26	27	28
35-39	5	2	33	34	6	3	37	38	8	3	40	42
40-44	-1	-9	13	8	-2	-11	15	9	-2	-12	16	10
45-49	1	-6	-1	-14	2	-7	-1	-16	2	-9	-1	-17
50-54	4	4	2	-12	6	5	3	-14	6	5	3	-15
55-59	-2	8	8	5	-3	10	9	6	-4	11	10	6
60-64	9	2	-3	14	11	3	-4	16	13	4	-4	18
65-69	0	-2	16	6	0	-3	18	7	0	-4	19	7
70-74	0	8	2	-3	-1	10	3	-4	-1	11	3	-4
75-79	-8	-9	0	13	-10	-11	0	15	-12	-13	-1	16
80-84	-11	-7	-15	-14	-13	-8	-16	-16	-16	-10	-18	-18
85+	-9	-6	-41	-27	-11	-7	-46	-31	-13	-9	-50	-33
SUBTOTAL	-99	-70	-166	-128	-122	-87	-188	-145	-144	-102	-205	-159
TOTAL		-168		-294		-209		-333		-246		-364

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.93%	1.53%	2.08%	0.67%	3.33%	1.74%	2.20%	0.71%	3.93%	2.05%	2.48%	0.80%
5-9	1.89%	2.09%	5.24%	2.73%	2.51%	2.42%	5.40%	2.81%	2.75%	2.67%	5.89%	3.07%
10-14	-0.85%	-1.41%	3.78%	3.91%	-1.19%	-1.85%	4.55%	4.11%	-1.27%	-1.99%	4.64%	4.19%
15-19	-6.05%	-5.32%	-1.07%	-2.08%	-8.31%	-7.26%	-1.36%	-2.48%	-10.34%	-9.07%	-1.36%	-2.49%
20-24	-5.47%	-3.06%	-11.46%	-10.09%	-7.09%	-3.92%	-14.67%	-12.78%	-9.47%	-5.71%	-17.38%	-13.09%
25-29	2.14%	1.76%	-11.67%	-6.77%	2.21%	1.94%	-14.01%	-7.98%	3.06%	2.41%	-17.88%	-9.39%
30-34	1.52%	1.58%	1.98%	2.08%	1.78%	1.82%	1.86%	2.08%	2.29%	2.06%	2.38%	2.61%
35-39	0.46%	0.19%	2.88%	2.96%	0.58%	0.25%	3.06%	3.10%	0.57%	0.25%	3.64%	3.58%
40-44	-0.11%	-0.65%	1.17%	0.70%	-0.15%	-0.91%	1.33%	0.80%	-0.17%	-1.12%	1.21%	0.78%
45-49	0.11%	-0.43%	-0.07%	-1.09%	0.16%	-0.65%	-0.09%	-1.39%	0.19%	-0.77%	-0.10%	-1.41%
50-54	0.29%	0.23%	0.18%	-0.89%	0.45%	0.36%	0.26%	-1.24%	0.59%	0.50%	0.28%	-1.38%
55-59	-0.16%	0.47%	0.55%	0.31%	-0.23%	0.74%	0.77%	0.46%	-0.34%	0.92%	0.94%	0.57%
60-64	0.63%	0.17%	-0.23%	0.91%	0.83%	0.20%	-0.31%	1.29%	1.20%	0.28%	-0.42%	1.74%
65-69	0.03%	-0.18%	1.19%	0.45%	0.03%	-0.20%	1.43%	0.48%	0.04%	-0.25%	1.93%	0.68%
70-74	-0.05%	0.87%	0.25%	-0.30%	-0.05%	0.81%	0.26%	-0.30%	-0.06%	0.87%	0.34%	-0.42%
75-79	-1.32%	-1.29%	-0.07%	1.69%	-1.36%	-1.12%	-0.06%	1.44%	-1.44%	-1.28%	-0.06%	1.48%
80-84	-3.23%	-1.44%	-3.51%	-2.76%	-3.16%	-1.43%	-3.29%	-2.18%	-2.69%	-1.37%	-3.25%	-2.14%
85+	-2.47%	-1.04%	-9.68%	-4.49%	-2.24%	-1.15%	-8.26%	-4.30%	-2.07%	-1.27%	-6.82%	-3.58%
SUBTOTAL	-0.47%	-0.33%	-0.80%	-0.60%	-0.60%	-0.41%	-0.93%	-0.68%	-0.72%	-0.48%	-1.05%	-0.76%
TOTAL		-0.40%		-0.70%		-0.50%		-0.80%		-0.60%		-0.90%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Putnam**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	6	16	12	15	6	18	9	11	3	8	1	1
5-9	17	-4	7	21	18	-4	6	16	8	-2	1	2
10-14	-41	-44	21	-4	-45	-48	16	-3	-20	-21	2	0
15-19	-213	-236	-50	-55	-233	-259	-40	-43	-104	-115	-4	-4
20-24	-152	-147	-269	-298	-166	-160	-211	-234	-74	-71	-21	-23
25-29	2	22	-199	-193	2	24	-156	-151	1	10	-15	-15
30-34	8	13	-3	21	9	14	-3	17	4	6	0	2
35-39	2	11	10	17	2	12	8	13	1	5	1	1
40-44	-5	6	2	14	-5	6	2	11	-2	3	0	1
45-49	-2	-3	-6	8	-3	-3	-4	6	-1	-1	0	1
50-54	4	13	-3	-3	5	14	-3	-2	2	6	0	0
55-59	-2	-5	6	16	-3	-6	4	13	-1	-3	0	1
60-64	0	9	-3	-6	0	10	-2	-5	0	4	0	0
65-69	5	10	0	11	5	10	0	9	2	5	0	1
70-74	21	15	6	12	23	17	5	10	10	7	0	1
75-79	-1	2	27	20	-1	2	21	15	-1	1	2	2
80-84	-12	-1	-1	3	-13	-2	-1	3	-6	-1	0	0
85+	-11	-1	-30	-3	-12	-1	-24	-3	-6	-1	-2	0
SUBTOTAL	-375	-325	-473	-405	-410	-355	-371	-318	-182	-158	-37	-31
TOTAL		-700		-878		-765		-689		-340		-68

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.45%	1.25%	0.92%	1.07%	0.50%	1.37%	0.8%	0.9%	0.2%	0.6%	0.1%	0.1%
5-9	1.21%	-0.31%	0.60%	1.58%	1.39%	-0.30%	0.5%	1.2%	0.6%	-0.1%	0.0%	0.1%
10-14	-3.39%	-3.71%	1.52%	-0.34%	-3.57%	-3.61%	1.2%	-0.2%	-1.6%	-1.6%	0.1%	0.0%
15-19	-16.49%	-18.53%	-4.37%	-4.84%	-16.79%	-21.66%	-3.3%	-3.4%	-7.8%	-9.3%	-0.3%	-0.3%
20-24	-11.29%	-12.07%	-25.13%	-28.72%	-15.20%	-14.78%	-18.4%	-25.1%	-6.4%	-10.2%	-1.7%	-1.9%
25-29	0.24%	2.49%	-16.71%	-18.07%	0.30%	3.19%	-16.9%	-16.4%	0.1%	1.4%	-1.4%	-1.3%
30-34	0.83%	1.37%	-0.36%	2.40%	0.91%	1.64%	-0.3%	2.2%	0.5%	0.8%	0.0%	0.2%
35-39	0.16%	1.17%	1.03%	1.78%	0.19%	1.32%	0.8%	1.5%	0.1%	0.6%	0.1%	0.2%
40-44	-0.47%	0.57%	0.24%	1.51%	-0.50%	0.64%	0.2%	1.2%	-0.2%	0.3%	0.0%	0.1%
45-49	-0.22%	-0.25%	-0.60%	0.76%	-0.29%	-0.30%	-0.5%	0.6%	-0.1%	-0.1%	0.0%	0.1%
50-54	0.35%	0.98%	-0.30%	-0.30%	0.54%	1.42%	-0.3%	-0.3%	0.2%	0.7%	0.0%	0.0%
55-59	-0.18%	-0.39%	0.44%	1.23%	-0.26%	-0.57%	0.5%	1.3%	-0.1%	-0.3%	0.0%	0.1%
60-64	0.03%	0.82%	-0.23%	-0.47%	0.03%	0.79%	-0.2%	-0.5%	0.0%	0.5%	0.0%	-0.1%
65-69	0.62%	1.19%	0.03%	1.06%	0.47%	0.87%	0.0%	0.7%	0.3%	0.4%	0.0%	0.1%
70-74	3.97%	2.53%	0.92%	1.67%	2.72%	1.73%	0.5%	0.9%	1.2%	0.7%	0.1%	0.1%
75-79	-0.29%	0.41%	5.91%	3.61%	-0.23%	0.37%	2.9%	1.8%	-0.1%	0.1%	0.3%	0.2%
80-84	-3.96%	-0.37%	-0.23%	0.80%	-3.95%	-0.37%	-0.1%	0.5%	-1.1%	-0.1%	0.0%	0.0%
85+	-4.30%	-0.29%	-10.30%	-0.80%	-4.21%	-0.32%	-7.3%	-0.6%	-1.5%	-0.1%	-0.5%	0.0%
SUBTOTAL	-2.15%	-1.85%	-2.71%	-2.29%	-2.39%	-2.01%	-2.2%	-1.8%	-1.1%	-0.9%	-0.2%	-0.2%
TOTAL		-2.00%		-2.50%		-2.20%		-2.0%		-1.0%		-0.2%

Prepared by: Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Richland**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-49	-52	-55	-52	-30	-32	-27	-26	-13	-13	-7	-6
5-9	-77	-66	-37	-39	-47	-40	-18	-20	-20	-17	-4	-5
10-14	-185	-163	-60	-51	-113	-99	-30	-25	-48	-42	-7	-6
15-19	-652	-511	-145	-128	-397	-311	-72	-63	-169	-132	-17	-15
20-24	-541	-393	-516	-404	-329	-240	-256	-200	-140	-102	-62	-48
25-29	10	-52	-411	-298	6	-32	-204	-148	3	-13	-49	-36
30-34	-27	-21	25	-29	-17	-13	12	-15	-7	-6	3	-4
35-39	-39	-42	-23	-16	-24	-25	-11	-8	-10	-11	-3	-2
40-44	6	-36	-30	-33	4	-22	-15	-16	2	-9	-4	-4
45-49	7	-43	6	-27	4	-26	3	-13	2	-11	1	-3
50-54	-24	-32	5	-34	-14	-19	2	-17	-6	-8	1	-4
55-59	-10	-6	-19	-24	-6	-4	-10	-12	-3	-2	-2	-3
60-64	-29	-29	-7	-4	-17	-18	-4	-2	-7	-7	-1	0
65-69	-5	8	-23	-23	-3	5	-11	-11	-1	2	-3	-3
70-74	10	22	-3	7	6	14	-2	4	3	6	0	1
75-79	32	17	8	18	19	10	4	9	8	4	1	2
80-84	-86	-70	25	13	-52	-43	12	6	-22	-18	3	2
85+	-94	-77	-140	-114	-58	-47	-69	-56	-24	-20	-17	-14
SUBTOTAL	-1752	-1545	-1400	-1238	-1067	-941	-693	-613	-454	-400	-168	-149
TOTAL		-3297		-2637		-2008		-1307		-854		-317

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-1.34%	-1.37%	-1.52%	-1.37%	-0.85%	-0.87%	-0.78%	-0.70%	-0.35%	-0.36%	-0.17%	-0.16%
5-9	-2.04%	-1.81%	-1.03%	-1.05%	-1.32%	-1.08%	-0.53%	-0.54%	-0.57%	-0.48%	-0.12%	-0.13%
10-14	-4.74%	-4.41%	-1.63%	-1.43%	-3.19%	-2.68%	-0.85%	-0.69%	-1.40%	-1.15%	-0.21%	-0.17%
15-19	-16.31%	-13.33%	-3.92%	-3.64%	-10.95%	-8.81%	-2.11%	-1.77%	-4.86%	-3.75%	-0.52%	-0.44%
20-24	-13.12%	-10.37%	-15.51%	-12.17%	-9.31%	-7.07%	-7.96%	-6.22%	-4.22%	-3.38%	-1.89%	-1.38%
25-29	0.35%	-1.65%	-11.59%	-8.80%	0.23%	-1.09%	-6.41%	-4.71%	0.09%	-0.45%	-1.57%	-1.05%
30-34	-0.91%	-0.67%	0.86%	-0.95%	-0.53%	-0.42%	0.45%	-0.51%	-0.24%	-0.19%	0.10%	-0.12%
35-39	-1.25%	-1.26%	-0.77%	-0.50%	-0.82%	-0.83%	-0.37%	-0.26%	-0.37%	-0.35%	-0.09%	-0.06%
40-44	0.20%	-1.05%	-1.00%	-1.02%	0.14%	-0.70%	-0.53%	-0.54%	0.06%	-0.31%	-0.13%	-0.14%
45-49	0.18%	-1.16%	0.20%	-0.82%	0.14%	-0.85%	0.11%	-0.45%	0.06%	-0.37%	0.03%	-0.11%
50-54	-0.59%	-0.73%	0.14%	-0.92%	-0.46%	-0.59%	0.09%	-0.55%	-0.23%	-0.27%	0.02%	-0.14%
55-59	-0.23%	-0.13%	-0.50%	-0.57%	-0.18%	-0.10%	-0.32%	-0.38%	-0.10%	-0.05%	-0.09%	-0.10%
60-64	-0.75%	-0.67%	-0.18%	-0.09%	-0.49%	-0.44%	-0.12%	-0.06%	-0.27%	-0.22%	-0.03%	-0.02%
65-69	-0.15%	0.22%	-0.66%	-0.58%	-0.08%	0.12%	-0.35%	-0.31%	-0.05%	0.06%	-0.11%	-0.10%
70-74	0.47%	0.83%	-0.11%	0.23%	0.22%	0.39%	-0.05%	0.10%	0.10%	0.16%	-0.02%	0.03%
75-79	1.96%	0.79%	0.50%	0.77%	0.94%	0.37%	0.19%	0.30%	0.35%	0.15%	0.05%	0.08%
80-84	-7.47%	-4.48%	2.11%	0.80%	-4.27%	-2.53%	0.83%	0.31%	-1.43%	-0.88%	0.18%	0.07%
85+	-8.27%	-4.03%	-11.26%	-5.74%	-4.23%	-2.26%	-4.76%	-2.58%	-1.44%	-0.93%	-0.89%	-0.50%
SUBTOTAL	-3.07%	-2.54%	-2.53%	-2.08%	-1.99%	-1.62%	-1.33%	-1.08%	-0.89%	-0.72%	-0.33%	-0.27%
TOTAL		-2.80%		-2.30%		-1.80%		-1.20%		-0.80%		-0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Ross**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	11	11	-2	2	13	14	-2	2	16	17	-3	3
5-9	25	15	8	9	31	19	11	12	38	23	13	14
10-14	1	-5	19	11	1	-6	25	15	1	-7	32	19
15-19	-50	-33	1	-4	-63	-41	1	-5	-76	-50	1	-6
20-24	-33	-11	-38	-25	-41	-14	-51	-33	-50	-17	-63	-41
25-29	22	19	-25	-8	28	24	-33	-11	34	29	-42	-14
30-34	17	14	17	14	22	17	23	19	26	21	29	24
35-39	10	8	13	10	13	11	17	14	16	13	22	18
40-44	17	11	8	6	22	13	11	9	26	16	13	11
45-49	15	11	13	8	19	14	17	11	23	17	22	13
50-54	17	9	11	8	22	11	15	11	26	13	19	14
55-59	10	8	13	7	13	10	17	9	15	12	22	11
60-64	11	5	8	6	13	6	10	8	16	7	13	10
65-69	7	5	8	4	9	6	11	5	11	7	13	6
70-74	8	4	5	4	10	5	7	5	12	6	9	6
75-79	2	2	6	3	2	2	8	4	3	3	10	5
80-84	-6	-4	1	1	-7	-5	2	2	-9	-6	2	2
85+	-6	-4	-9	-6	-7	-5	-12	-8	-9	-6	-15	-10
SUBTOTAL	79	65	58	51	99	82	77	68	120	99	97	86
TOTAL		144		108		181		146		219		183

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.48%	0.49%	-0.07%	0.07%	0.55%	0.56%	-0.09%	0.09%	0.63%	0.65%	-0.10%	0.11%
5-9	1.06%	0.67%	0.36%	0.37%	1.34%	0.79%	0.44%	0.45%	1.49%	0.89%	0.53%	0.54%
10-14	0.04%	-0.21%	0.79%	0.50%	0.05%	-0.26%	1.07%	0.63%	0.06%	-0.30%	1.23%	0.72%
15-19	-1.89%	-1.34%	0.03%	-0.16%	-2.65%	-1.79%	0.04%	-0.21%	-3.20%	-2.14%	0.05%	-0.24%
20-24	-1.36%	-0.47%	-1.46%	-1.03%	-1.70%	-0.61%	-2.20%	-1.47%	-2.27%	-0.75%	-2.78%	-1.72%
25-29	1.19%	0.98%	-1.04%	-0.35%	1.12%	1.01%	-1.39%	-0.49%	1.53%	1.30%	-1.95%	-0.60%
30-34	0.85%	0.67%	0.89%	0.73%	0.92%	0.76%	0.90%	0.81%	1.11%	0.88%	1.27%	1.08%
35-39	0.51%	0.38%	0.64%	0.51%	0.70%	0.55%	0.74%	0.61%	0.63%	0.56%	0.93%	0.79%
40-44	0.76%	0.46%	0.39%	0.29%	1.09%	0.65%	0.57%	0.44%	1.13%	0.83%	0.54%	0.46%
45-49	0.64%	0.45%	0.59%	0.35%	0.96%	0.63%	0.89%	0.53%	1.27%	0.82%	0.97%	0.59%
50-54	0.66%	0.32%	0.50%	0.35%	1.03%	0.50%	0.80%	0.52%	1.39%	0.62%	1.10%	0.74%
55-59	0.37%	0.27%	0.52%	0.25%	0.59%	0.42%	0.86%	0.41%	0.84%	0.54%	1.22%	0.58%
60-64	0.46%	0.20%	0.31%	0.21%	0.58%	0.24%	0.51%	0.35%	0.86%	0.33%	0.76%	0.49%
65-69	0.40%	0.24%	0.39%	0.17%	0.43%	0.24%	0.53%	0.21%	0.63%	0.32%	0.82%	0.32%
70-74	0.64%	0.28%	0.37%	0.21%	0.62%	0.28%	0.42%	0.22%	0.76%	0.29%	0.65%	0.34%
75-79	0.21%	0.15%	0.64%	0.26%	0.21%	0.15%	0.67%	0.27%	0.22%	0.16%	0.84%	0.32%
80-84	-1.19%	-0.53%	0.24%	0.16%	-1.20%	-0.56%	0.26%	0.17%	-1.12%	-0.60%	0.27%	0.17%
85+	-1.21%	-0.52%	-1.66%	-0.76%	-1.22%	-0.61%	-1.77%	-0.90%	-1.18%	-0.69%	-1.76%	-0.92%
SUBTOTAL	0.22%	0.18%	0.16%	0.14%	0.28%	0.22%	0.22%	0.18%	0.34%	0.26%	0.28%	0.23%
TOTAL		0.20%		0.15%		0.25%		0.20%		0.30%		0.25%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Sandusky**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	19	24	-18	-12	16	20	-10	-7	7	8	-2	-1
5-9	19	48	21	26	16	41	12	14	7	17	3	3
10-14	-59	-77	20	51	-50	-65	11	28	-21	-27	2	6
15-19	-374	-368	-63	-83	-317	-312	-35	-46	-132	-130	-8	-10
20-24	-317	-216	-399	-391	-269	-183	-221	-217	-112	-76	-48	-47
25-29	34	20	-330	-222	29	17	-183	-123	12	7	-40	-27
30-34	13	14	44	26	11	12	25	15	5	5	5	3
35-39	4	13	13	14	4	11	7	8	1	4	2	2
40-44	12	-21	4	13	10	-18	2	7	4	-7	1	2
45-49	30	-21	13	-22	25	-18	7	-12	11	-7	2	-3
50-54	2	11	32	-22	2	10	18	-12	1	4	4	-3
55-59	-13	-11	2	13	-11	-9	1	7	-4	-4	0	2
60-64	-15	-8	-14	-12	-13	-6	-8	-7	-5	-3	-2	-1
65-69	22	20	-16	-8	19	17	-9	-4	8	7	-2	-1
70-74	17	21	24	21	14	18	13	12	6	7	3	3
75-79	16	3	18	22	14	2	10	12	6	1	2	3
80-84	-36	-4	17	2	-31	-3	9	1	-13	-1	2	0
85+	-38	-4	-79	-8	-33	-3	-44	-4	-14	-1	-9	-1
SUBTOTAL	-663	-555	-710	-592	-562	-470	-393	-328	-234	-196	-85	-71
TOTAL		-1,217		-1,302		-1,032		-721		-430		-157

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.07%	1.28%	-1.02%	-0.67%	1.04%	1.24%	-0.64%	-0.42%	0.44%	0.53%	-0.14%	-0.09%
5-9	1.00%	2.55%	1.16%	1.37%	0.93%	2.24%	0.73%	0.86%	0.44%	1.02%	0.16%	0.19%
10-14	-2.72%	-3.78%	1.03%	2.63%	-2.71%	-3.37%	0.63%	1.51%	-1.29%	-1.42%	0.16%	0.38%
15-19	-17.72%	-18.17%	-3.02%	-4.28%	-16.27%	-15.60%	-1.97%	-2.48%	-7.48%	-7.15%	-0.48%	-0.61%
20-24	-15.29%	-10.68%	-23.14%	-23.68%	-13.37%	-9.85%	-13.65%	-12.88%	-6.47%	-5.21%	-2.96%	-2.66%
25-29	2.08%	1.30%	-18.86%	-12.31%	2.20%	1.34%	-10.54%	-7.35%	0.87%	0.45%	-2.46%	-1.54%
30-34	0.81%	0.79%	2.66%	1.72%	0.80%	0.74%	1.84%	1.15%	0.31%	0.38%	0.38%	0.22%
35-39	0.24%	0.73%	0.81%	0.81%	0.21%	0.68%	0.52%	0.49%	0.11%	0.28%	0.10%	0.11%
40-44	0.68%	-1.13%	0.24%	0.77%	0.64%	-1.01%	0.14%	0.47%	0.31%	-0.47%	0.04%	0.12%
45-49	1.58%	-1.06%	0.73%	-1.25%	1.48%	-1.04%	0.44%	-0.73%	0.64%	-0.43%	0.11%	-0.17%
50-54	0.10%	0.52%	1.70%	-1.14%	0.10%	0.55%	1.04%	-0.73%	0.05%	0.24%	0.24%	-0.17%
55-59	-0.53%	-0.46%	0.07%	0.60%	-0.59%	-0.52%	0.05%	0.41%	-0.27%	-0.23%	0.01%	0.09%
60-64	-0.74%	-0.36%	-0.61%	-0.53%	-0.64%	-0.32%	-0.44%	-0.39%	-0.34%	-0.15%	-0.11%	-0.10%
65-69	1.37%	1.17%	-0.87%	-0.40%	0.94%	0.79%	-0.49%	-0.23%	0.51%	0.37%	-0.13%	-0.06%
70-74	1.65%	1.74%	1.78%	1.42%	0.98%	1.04%	0.80%	0.62%	0.41%	0.39%	0.23%	0.18%
75-79	2.12%	0.28%	2.19%	2.15%	1.31%	0.18%	0.86%	0.84%	0.45%	0.06%	0.19%	0.19%
80-84	-7.75%	-0.53%	3.22%	0.34%	-5.60%	-0.40%	1.31%	0.14%	-1.67%	-0.14%	0.24%	0.02%
85+	-7.48%	-0.48%	-15.31%	-0.99%	-5.91%	-0.41%	-7.42%	-0.53%	-1.90%	-0.17%	-1.15%	-0.09%
SUBTOTAL	-2.23%	-1.81%	-2.44%	-1.96%	-2.01%	-1.60%	-1.46%	-1.15%	-0.90%	-0.71%	-0.34%	-0.26%
TOTAL		-2.02%		-2.20%		-1.80%		-1.30%		-0.80%		-0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Scioto**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	14	-1	-18	18	-7	0	42	-41	-33	2	128	-125
5-9	63	76	7	0	-30	-37	-16	1	-142	-172	-50	3
10-14	-39	-60	31	37	18	29	-71	-86	87	135	-216	-263
15-19	-398	-298	-19	-29	191	143	44	68	902	675	134	206
20-24	-538	-291	-195	-146	258	140	451	337	1,219	659	1,374	1,027
25-29	-57	-90	-264	-142	28	43	609	329	130	204	1,854	1,002
30-34	124	-29	-28	-44	-59	14	64	101	-280	66	194	308
35-39	45	-34	61	-14	-21	16	-140	33	-101	77	-427	99
40-44	115	11	22	-17	-55	-5	-50	38	-261	-25	-153	117
45-49	164	106	57	6	-79	-51	-131	-13	-372	-241	-398	-39
50-54	185	113	80	52	-89	-54	-186	-121	-419	-257	-565	-367
55-59	188	62	90	56	-90	-30	-209	-128	-427	-141	-636	-390
60-64	184	80	92	30	-88	-38	-213	-70	-416	-181	-649	-214
65-69	82	51	90	39	-39	-24	-208	-90	-185	-116	-632	-274
70-74	68	61	40	25	-33	-29	-92	-58	-154	-138	-280	-175
75-79	39	-5	33	30	-19	2	-77	-69	-89	10	-233	-210
80-84	-124	-59	19	-2	60	28	-44	5	282	134	-134	16
85+	-125	-60	-122	-58	60	29	282	135	283	135	859	409
SUBTOTAL	-11	-364	-24	-161	5	175	55	371	26	826	167	1,129
TOTAL		-376		-184		180		426		851		1,297

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.65%	-0.03%	-0.88%	0.82%	-0.35%	0.02%	1.94%	-1.81%	-1.26%	0.06%	4.46%	-4.16%
5-9	2.57%	3.18%	0.32%	-0.02%	-1.47%	-1.67%	-0.83%	0.05%	-6.42%	-8.31%	-1.96%	0.11%
10-14	-1.51%	-2.49%	1.23%	1.51%	0.83%	1.24%	-3.52%	-4.02%	4.47%	6.55%	-10.46%	-12.75%
15-19	-15.03%	-11.89%	-0.76%	-1.26%	7.60%	5.70%	1.97%	2.91%	46.63%	28.18%	6.59%	9.35%
20-24	-21.41%	-11.97%	-8.76%	-6.64%	10.52%	6.09%	16.84%	12.79%	54.30%	22.15%	48.86%	37.69%
25-29	-2.48%	-3.95%	-13.50%	-6.70%	1.37%	2.11%	22.72%	13.63%	4.20%	7.43%	54.14%	33.09%
30-34	5.60%	-1.23%	-1.24%	-2.02%	-3.57%	0.70%	3.17%	4.89%	-8.65%	3.02%	6.11%	9.82%
35-39	2.04%	-1.46%	2.66%	-0.61%	-1.00%	0.77%	-8.93%	1.66%	-4.99%	3.84%	-14.72%	3.59%
40-44	4.94%	0.45%	1.00%	-0.74%	-2.43%	-0.24%	-2.44%	1.83%	-18.79%	-1.19%	-8.18%	5.31%
45-49	7.27%	4.32%	2.39%	0.22%	-3.70%	-2.32%	-6.07%	-0.58%	-19.03%	-10.98%	-36.37%	-2.03%
50-54	7.66%	4.21%	3.48%	2.08%	-3.83%	-2.25%	-9.50%	-5.73%	-21.70%	-12.96%	-37.48%	-20.20%
55-59	7.36%	2.16%	3.70%	2.05%	-4.02%	-1.21%	-9.96%	-5.64%	-25.60%	-6.59%	-44.68%	-21.49%
60-64	7.91%	3.18%	3.70%	1.10%	-3.83%	-1.47%	-10.90%	-3.06%	-24.31%	-8.10%	-57.72%	-12.84%
65-69	4.27%	2.39%	4.18%	1.65%	-1.77%	-0.95%	-10.94%	-3.84%	-12.37%	-5.12%	-56.83%	-16.26%
70-74	5.18%	3.70%	2.52%	1.32%	-1.83%	-1.41%	-5.33%	-2.62%	-11.45%	-6.46%	-26.93%	-10.57%
75-79	4.04%	-0.35%	3.24%	2.21%	-1.55%	0.14%	-5.91%	-4.27%	-7.28%	0.67%	-26.43%	-14.70%
80-84	-19.78%	-6.67%	2.78%	-0.25%	8.27%	2.90%	-5.44%	0.49%	33.82%	12.45%	-17.46%	1.34%
85+	-21.18%	-7.30%	-22.99%	-8.16%	9.82%	4.02%	35.48%	17.11%	28.04%	14.67%	65.10%	40.15%
SUBTOTAL	-0.03%	-0.94%	-0.07%	-0.42%	0.02%	0.47%	0.16%	1.01%	0.08%	2.22%	0.49%	2.97%
TOTAL		-0.50%		-0.25%		0.25%		0.60%		1.20%		1.80%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Seneca**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	20	13	21	14	16	10	13	8	7	4	3	2
5-9	14	8	22	14	11	6	13	8	5	3	3	2
10-14	-88	-87	15	9	-73	-72	9	5	-30	-30	2	1
15-19	-179	-187	-94	-93	-147	-154	-57	-56	-62	-65	-12	-12
20-24	-216	-197	-193	-202	-177	-162	-117	-122	-74	-68	-24	-25
25-29	-61	-27	-235	-215	-50	-22	-142	-131	-21	-9	-29	-27
30-34	-16	-24	-70	-34	-13	-20	-43	-20	-5	-8	-9	-4
35-39	-6	-39	-18	-27	-5	-32	-11	-16	-2	-13	-2	-3
40-44	-27	-31	-7	-42	-22	-26	-4	-25	-9	-11	-1	-5
45-49	-24	-33	-29	-34	-20	-27	-18	-21	-8	-11	-4	-4
50-54	-21	-30	-26	-36	-17	-25	-16	-22	-7	-10	-3	-5
55-59	-15	-16	-23	-33	-12	-14	-14	-20	-5	-6	-3	-4
60-64	9	-10	-16	-18	7	-8	-10	-11	3	-3	-2	-2
65-69	-7	-13	9	-11	-6	-11	6	-7	-2	-5	1	-1
70-74	13	-3	-7	-14	11	-2	-4	-9	5	-1	-1	-2
75-79	-8	12	14	-3	-7	10	8	-2	-3	4	2	0
80-84	-35	-5	-9	13	-29	-4	-5	8	-12	-2	-1	2
85+	-34	-4	-75	-10	-28	-4	-46	-6	-12	-2	-9	-1
SUBTOTAL	-681	-674	-722	-723	-559	-554	-438	-438	-235	-233	-90	-90
TOTAL		-1,355		-1,445		-1,113		-877		-468		-181

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.35%	0.83%	1.46%	0.91%	1.24%	0.76%	0.98%	0.62%	0.56%	0.34%	0.21%	0.13%
5-9	0.75%	0.46%	1.46%	0.90%	0.78%	0.42%	0.99%	0.61%	0.36%	0.19%	0.22%	0.13%
10-14	-4.54%	-4.80%	0.82%	0.51%	-4.79%	-4.57%	0.63%	0.34%	-2.26%	-1.97%	0.15%	0.08%
15-19	-9.29%	-10.46%	-5.08%	-5.38%	-7.88%	-8.99%	-3.97%	-3.77%	-4.20%	-4.51%	-0.90%	-0.85%
20-24	-11.43%	-11.09%	-11.10%	-12.61%	-10.17%	-9.95%	-6.85%	-7.87%	-5.44%	-4.75%	-1.72%	-1.73%
25-29	-3.65%	-1.71%	-14.12%	-13.64%	-3.24%	-1.58%	-9.14%	-8.92%	-1.32%	-0.69%	-2.28%	-1.98%
30-34	-1.03%	-1.64%	-4.44%	-2.20%	-0.91%	-1.48%	-2.90%	-1.50%	-0.39%	-0.63%	-0.57%	-0.30%
35-39	-0.39%	-2.47%	-1.24%	-1.85%	-0.35%	-2.13%	-0.81%	-1.23%	-0.15%	-1.01%	-0.17%	-0.26%
40-44	-1.71%	-2.00%	-0.45%	-2.77%	-1.53%	-1.80%	-0.30%	-1.76%	-0.69%	-0.76%	-0.06%	-0.40%
45-49	-1.47%	-2.09%	-1.91%	-2.27%	-1.27%	-1.88%	-1.26%	-1.50%	-0.58%	-0.85%	-0.28%	-0.33%
50-54	-1.08%	-1.54%	-1.68%	-2.36%	-1.19%	-1.69%	-1.07%	-1.57%	-0.54%	-0.75%	-0.24%	-0.33%
55-59	-0.69%	-0.77%	-1.24%	-1.75%	-0.80%	-0.92%	-1.00%	-1.43%	-0.35%	-0.41%	-0.22%	-0.32%
60-64	0.48%	-0.51%	-0.83%	-0.90%	0.43%	-0.45%	-0.71%	-0.80%	0.24%	-0.24%	-0.15%	-0.18%
65-69	-0.50%	-0.85%	0.55%	-0.60%	-0.34%	-0.57%	0.37%	-0.40%	-0.20%	-0.28%	0.10%	-0.11%
70-74	1.42%	-0.24%	-0.62%	-1.05%	0.77%	-0.13%	-0.32%	-0.52%	0.36%	-0.05%	-0.09%	-0.16%
75-79	-1.34%	1.53%	1.90%	-0.35%	-0.75%	0.89%	0.76%	-0.14%	-0.26%	0.32%	0.17%	-0.03%
80-84	-7.66%	-0.71%	-1.94%	2.01%	-5.45%	-0.58%	-0.80%	0.87%	-1.53%	-0.19%	-0.14%	0.15%
85+	-6.70%	-0.62%	-14.56%	-1.46%	-5.41%	-0.57%	-8.01%	-0.93%	-1.70%	-0.24%	-1.12%	-0.14%
SUBTOTAL	-2.52%	-2.48%	-2.76%	-2.73%	-2.23%	-2.17%	-1.82%	-1.78%	-1.02%	-0.98%	-0.41%	-0.39%
TOTAL		-2.50%		-2.75%		-2.20%		-1.80%		-1.00%		-0.40%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Shelby**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	39	42	21	11	40	44	16	8	21	23	5	2
5-9	57	49	46	49	59	51	33	36	32	27	11	12
10-14	-93	-89	68	59	-96	-92	50	43	-52	-49	16	14
15-19	-374	-333	-106	-101	-386	-345	-78	-74	-208	-185	-25	-24
20-24	-255	-152	-438	-391	-264	-157	-320	-286	-142	-85	-103	-92
25-29	84	71	-311	-189	87	74	-227	-138	47	40	-73	-45
30-34	20	23	88	77	20	24	64	56	11	13	21	18
35-39	29	-2	25	30	30	-2	19	22	16	-1	6	7
40-44	19	13	35	-1	20	13	25	-1	11	7	8	0
45-49	25	25	23	15	26	26	17	11	14	14	5	4
50-54	8	-3	30	30	9	-3	22	22	5	-1	7	7
55-59	23	-5	11	-2	24	-5	8	-2	13	-3	3	-1
60-64	-24	-10	28	-6	-25	-10	20	-5	-14	-5	6	-1
65-69	3	-20	-27	-11	3	-20	-20	-8	2	-11	-6	-3
70-74	22	-2	3	-23	23	-2	2	-17	12	-1	1	-5
75-79	-2	30	26	-3	-2	31	19	-2	-1	17	6	-1
80-84	-33	-7	-2	34	-34	-7	-1	25	-18	-4	0	8
85+	-31	-6	-77	-15	-32	-6	-56	-11	-17	-3	-18	-3
SUBTOTAL	-483	-374	-557	-438	-499	-386	-408	-320	-268	-208	-132	-103
TOTAL		-857		-995		-885		-728		-476		-235

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.41%	2.50%	1.29%	0.60%	2.59%	2.69%	1.00%	0.47%	1.45%	1.51%	0.33%	0.15%
5-9	3.14%	2.89%	2.77%	2.85%	3.50%	2.88%	2.11%	2.17%	2.01%	1.61%	0.72%	0.74%
10-14	-4.73%	-4.79%	3.62%	3.36%	-5.71%	-5.15%	2.84%	2.37%	-3.22%	-2.66%	0.99%	0.83%
15-19	-19.06%	-17.85%	-5.67%	-5.74%	-19.97%	-19.09%	-4.90%	-4.39%	-11.61%	-11.51%	-1.61%	-1.45%
20-24	-14.36%	-8.64%	-27.67%	-25.45%	-14.96%	-9.47%	-20.75%	-19.56%	-9.44%	-7.20%	-6.56%	-5.53%
25-29	7.05%	5.75%	-20.50%	-11.79%	7.64%	6.46%	-15.22%	-9.24%	3.85%	2.92%	-5.41%	-2.94%
30-34	1.38%	1.74%	6.90%	5.87%	1.68%	1.71%	5.26%	4.64%	0.86%	1.03%	1.65%	1.50%
35-39	2.07%	-0.13%	1.79%	2.17%	2.22%	-0.14%	1.54%	1.52%	1.26%	-0.07%	0.48%	0.51%
40-44	1.24%	0.85%	2.44%	-0.09%	1.37%	0.96%	1.85%	-0.07%	0.87%	0.53%	0.64%	-0.02%
45-49	1.47%	1.58%	1.52%	0.98%	1.83%	1.86%	1.19%	0.79%	1.03%	1.01%	0.45%	0.25%
50-54	0.45%	-0.15%	1.76%	1.86%	0.57%	-0.18%	1.54%	1.55%	0.33%	-0.10%	0.52%	0.52%
55-59	1.28%	-0.29%	0.60%	-0.12%	1.45%	-0.34%	0.54%	-0.11%	0.93%	-0.20%	0.19%	-0.04%
60-64	-1.58%	-0.62%	1.59%	-0.36%	-1.49%	-0.59%	1.27%	-0.30%	-0.98%	-0.35%	0.50%	-0.11%
65-69	0.25%	-1.56%	-2.03%	-0.79%	0.20%	-1.29%	-1.36%	-0.53%	0.12%	-0.70%	-0.53%	-0.21%
70-74	2.94%	-0.18%	0.27%	-2.12%	2.13%	-0.13%	0.15%	-1.24%	1.04%	-0.07%	0.05%	-0.44%
75-79	-0.40%	4.72%	4.32%	-0.35%	-0.28%	3.44%	2.23%	-0.18%	-0.12%	1.58%	0.66%	-0.05%
80-84	-9.04%	-1.57%	-0.45%	7.27%	-8.05%	-1.40%	-0.22%	3.80%	-3.12%	-0.58%	-0.05%	0.99%
85+	-9.49%	-1.11%	-21.38%	-2.85%	-8.95%	-1.15%	-13.72%	-1.94%	-3.48%	-0.61%	-3.02%	-0.47%
SUBTOTAL	-1.95%	-1.50%	-2.26%	-1.74%	-2.06%	-1.55%	-1.72%	-1.29%	-1.16%	-0.85%	-0.58%	-0.43%
TOTAL		-1.72%		-2.00%		-1.80%		-1.50%		-1.00%		-0.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Stark**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	99	142	-15	-7	24	35	4	2	-47	-68	20	9
5-9	129	127	61	88	31	31	-18	-26	-61	-60	-81	-117
10-14	-253	-306	79	77	-62	-75	-23	-22	120	145	-105	-103
15-19	-1,229	-991	-157	-190	-299	-241	46	55	583	470	209	253
20-24	-743	-507	-756	-609	-181	-123	221	178	352	240	1,007	811
25-29	172	91	-449	-305	42	22	131	89	-82	-43	598	406
30-34	69	29	112	60	17	7	-33	-18	-33	-14	-149	-80
35-39	94	58	41	17	23	14	-12	-5	-45	-28	-55	-23
40-44	67	-53	57	36	16	-13	-17	-10	-32	25	-76	-47
45-49	57	-27	41	-33	14	-7	-12	10	-27	13	-54	44
50-54	-14	-19	35	-16	-3	-5	-10	5	6	9	-46	22
55-59	-23	-96	-9	-11	-6	-23	3	3	11	45	12	15
60-64	-32	-14	-14	-59	-8	-3	4	17	15	6	19	78
65-69	32	49	-20	-8	8	12	6	2	-15	-23	26	10
70-74	165	119	20	31	40	29	-6	-9	-78	-57	-27	-41
75-79	118	169	102	73	29	41	-30	-21	-56	-80	-135	-97
80-84	-174	-23	71	103	-42	-6	-21	-30	82	11	-95	-137
85+	-179	-26	-216	-31	-44	-6	63	9	85	12	288	42
SUBTOTAL	-1,645	-1,276	-1,017	-785	-401	-311	297	229	780	605	1,355	1,045
TOTAL		-2,921		-1,802		-711		526		1,385		2,400

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.98%	1.35%	-0.15%	-0.07%	0.24%	0.32%	0.04%	0.02%	-0.45%	-0.62%	0.19%	0.09%
5-9	1.16%	1.19%	0.60%	0.82%	0.31%	0.29%	-0.17%	-0.24%	-0.60%	-0.56%	-0.79%	-1.09%
10-14	-2.12%	-2.69%	0.70%	0.72%	-0.60%	-0.69%	-0.23%	-0.21%	1.18%	1.36%	-1.04%	-0.97%
15-19	-9.61%	-8.24%	-1.35%	-1.71%	-2.66%	-2.23%	0.45%	0.52%	5.76%	4.39%	2.04%	2.34%
20-24	-5.90%	-4.27%	-6.57%	-5.53%	-1.59%	-1.14%	2.02%	1.68%	3.49%	2.24%	9.45%	7.32%
25-29	1.74%	0.90%	-3.81%	-2.69%	0.39%	0.21%	1.17%	0.83%	-0.74%	-0.40%	5.75%	3.73%
30-34	0.68%	0.28%	1.12%	0.59%	0.15%	0.07%	-0.31%	-0.17%	-0.29%	-0.13%	-1.37%	-0.75%
35-39	0.96%	0.56%	0.41%	0.17%	0.23%	0.14%	-0.11%	-0.05%	-0.42%	-0.25%	-0.50%	-0.22%
40-44	0.64%	-0.48%	0.59%	0.35%	0.16%	-0.12%	-0.17%	-0.10%	-0.29%	0.25%	-0.74%	-0.47%
45-49	0.49%	-0.22%	0.40%	-0.31%	0.14%	-0.06%	-0.12%	0.09%	-0.28%	0.12%	-0.50%	0.41%
50-54	-0.10%	-0.14%	0.31%	-0.14%	-0.03%	-0.04%	-0.11%	0.05%	0.07%	0.09%	-0.49%	0.22%
55-59	-0.17%	-0.64%	-0.07%	-0.09%	-0.05%	-0.20%	0.03%	0.03%	0.12%	0.44%	0.13%	0.15%
60-64	-0.27%	-0.10%	-0.11%	-0.42%	-0.07%	-0.03%	0.04%	0.15%	0.17%	0.06%	0.23%	0.83%
65-69	0.32%	0.44%	-0.18%	-0.06%	0.07%	0.09%	0.05%	0.02%	-0.17%	-0.20%	0.32%	0.11%
70-74	2.50%	1.48%	0.24%	0.30%	0.45%	0.26%	-0.06%	-0.08%	-0.90%	-0.49%	-0.35%	-0.45%
75-79	2.57%	2.80%	1.97%	1.08%	0.44%	0.49%	-0.43%	-0.24%	-0.77%	-0.88%	-2.06%	-1.13%
80-84	-5.57%	-0.52%	2.19%	2.25%	-1.16%	-0.11%	-0.46%	-0.49%	1.74%	0.18%	-1.91%	-1.96%
85+	-4.91%	-0.46%	-5.78%	-0.58%	-1.10%	-0.12%	1.44%	0.17%	1.64%	0.22%	4.91%	0.61%
SUBTOTAL	-0.93%	-0.68%	-0.58%	-0.42%	-0.23%	-0.17%	0.18%	0.13%	0.47%	0.34%	0.82%	0.59%
TOTAL		-0.80%		-0.50%		-0.20%		0.15%		0.40%		0.70%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Summit**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	-146	-99	-67	-58	14	10	65	57	140	94	192	167
5-9	2	-70	-69	-46	0	7	68	45	-1	66	198	132
10-14	-530	-561	4	-32	52	55	-4	32	506	536	-12	92
15-19	-1,032	-818	-262	-276	101	80	256	270	986	781	752	791
20-24	-520	-6	-498	-391	51	1	487	383	497	6	1,428	1,122
25-29	213	190	-233	16	-21	-19	228	-15	-204	-181	669	-45
30-34	-109	-214	117	93	11	21	-114	-91	104	204	-334	-267
35-39	-218	-249	-59	-110	21	24	58	108	208	238	170	316
40-44	-142	-185	-105	-118	14	18	102	115	136	177	300	338
45-49	90	-31	-65	-86	-9	3	64	84	-86	30	188	246
50-54	6	-55	47	-11	-1	5	-46	11	-6	52	-136	33
55-59	-169	-168	1	-26	16	16	-1	26	161	161	-3	76
60-64	-162	-128	-83	-82	16	13	82	80	155	122	239	235
65-69	-72	-1	-76	-59	7	0	75	58	69	1	219	171
70-74	150	213	-32	2	-15	-21	31	-2	-143	-203	91	-6
75-79	119	275	76	105	-12	-27	-74	-103	-114	-262	-217	-301
80-84	-268	-150	55	131	26	15	-54	-128	256	143	-159	-375
85+	-299	-178	-270	-161	29	17	264	157	285	170	774	461
SUBTOTAL	-3,086	-2,235	-1,520	-1,110	302	219	1,487	1,086	2,948	2,135	4,360	3,184
TOTAL		-5,321		-2,630		520		2,573		5,083		7,545

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	-0.98%	-0.63%	-0.45%	-0.37%	0.10%	0.06%	0.46%	0.38%	1.01%	0.65%	1.41%	1.17%
5-9	0.01%	-0.45%	-0.47%	-0.30%	0.00%	0.04%	0.46%	0.29%	-0.01%	0.43%	1.41%	0.90%
10-14	-3.14%	-3.46%	0.03%	-0.21%	0.35%	0.36%	-0.03%	0.20%	3.42%	3.46%	-0.08%	0.61%
15-19	-5.63%	-4.71%	-1.61%	-1.76%	0.64%	0.52%	1.75%	1.75%	6.69%	4.97%	4.93%	4.96%
20-24	-2.86%	-0.03%	-2.89%	-2.37%	0.32%	0.00%	3.07%	2.48%	3.35%	0.04%	9.14%	6.91%
25-29	1.29%	1.16%	-1.33%	0.09%	-0.13%	-0.12%	1.43%	-0.10%	-1.25%	-1.18%	4.39%	-0.29%
30-34	-0.68%	-1.28%	0.70%	0.57%	0.06%	0.12%	-0.69%	-0.57%	0.65%	1.29%	-2.09%	-1.72%
35-39	-1.45%	-1.58%	-0.38%	-0.67%	0.13%	0.15%	0.34%	0.62%	1.28%	1.35%	1.06%	2.06%
40-44	-0.90%	-1.11%	-0.72%	-0.76%	0.09%	0.11%	0.63%	0.70%	0.81%	1.07%	1.86%	2.12%
45-49	0.52%	-0.17%	-0.43%	-0.53%	-0.06%	0.02%	0.43%	0.52%	-0.53%	0.19%	1.13%	1.41%
50-54	0.03%	-0.27%	0.28%	-0.06%	0.00%	0.03%	-0.34%	0.08%	-0.04%	0.35%	-0.88%	0.21%
55-59	-0.85%	-0.78%	0.01%	-0.13%	0.10%	0.10%	-0.01%	0.17%	1.23%	1.04%	-0.02%	0.49%
60-64	-0.94%	-0.68%	-0.45%	-0.40%	0.09%	0.07%	0.54%	0.49%	1.17%	0.74%	1.92%	1.69%
65-69	-0.52%	-0.01%	-0.50%	-0.34%	0.04%	0.00%	0.49%	0.33%	0.50%	0.01%	1.82%	1.24%
70-74	1.80%	2.08%	-0.28%	0.02%	-0.12%	-0.14%	0.23%	-0.01%	-1.13%	-1.23%	0.80%	-0.05%
75-79	2.08%	3.57%	1.17%	1.24%	-0.13%	-0.24%	-0.77%	-0.84%	-1.09%	-2.16%	-2.27%	-2.44%
80-84	-6.49%	-2.46%	1.37%	2.18%	0.58%	0.23%	-0.91%	-1.54%	3.90%	1.75%	-2.24%	-3.80%
85+	-6.36%	-2.26%	-5.78%	-2.18%	0.61%	0.24%	5.00%	2.14%	4.42%	2.26%	10.11%	4.78%
SUBTOTAL	-1.20%	-0.81%	-0.60%	-0.41%	0.12%	0.08%	0.60%	0.41%	1.20%	0.81%	1.80%	1.22%
TOTAL		-1.00%		-0.50%		0.10%		0.50%		1.00%		1.50%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Trumbull**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	8	20	9	-13	3	6	2	-2	-1	-2	-6	8
5-9	-35	7	5	13	-11	2	1	3	4	-1	-4	-8
10-14	-158	-144	-23	5	-50	-46	-4	1	19	17	15	-3
15-19	-523	-478	-102	-93	-166	-152	-20	-18	64	58	66	60
20-24	-478	-385	-340	-310	-151	-122	-65	-59	58	47	218	199
25-29	-62	-76	-309	-250	-20	-24	-59	-48	8	9	199	160
30-34	-56	-62	-40	-49	-18	-20	-8	-9	7	7	26	31
35-39	-30	-68	-37	-40	-9	-22	-7	-8	4	8	23	26
40-44	3	-51	-19	-44	1	-16	-4	-8	0	6	12	28
45-49	19	-19	2	-33	6	-6	0	-6	-2	2	-1	21
50-54	7	-24	12	-12	2	-8	2	-2	-1	3	-8	8
55-59	-49	-67	5	-16	-15	-21	1	-3	6	8	-3	10
60-64	-35	-43	-32	-44	-11	-14	-6	-8	4	5	20	28
65-69	2	-26	-23	-28	0	-8	-4	-5	0	3	15	18
70-74	40	23	1	-17	13	7	0	-3	-5	-3	-1	11
75-79	42	31	26	15	13	10	5	3	-5	-4	-17	-10
80-84	-109	-91	27	20	-35	-29	5	4	13	11	-18	-13
85+	-109	-92	-141	-119	-35	-29	-27	-23	13	11	91	76
SUBTOTAL	-1,523	-1,544	-979	-1,014	-483	-490	-187	-194	185	188	629	652
TOTAL		-3,068		-1,993		-973		-381		372		1,280

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.16%	0.36%	0.16%	-0.22%	0.05%	0.11%	0.03%	-0.04%	-0.02%	-0.04%	-0.10%	0.15%
5-9	-0.59%	0.13%	0.10%	0.23%	-0.20%	0.04%	0.02%	0.04%	0.08%	-0.01%	-0.06%	-0.15%
10-14	-2.47%	-2.37%	-0.38%	0.08%	-0.93%	-0.81%	-0.08%	0.02%	0.34%	0.30%	0.26%	-0.05%
15-19	-7.62%	-7.12%	-1.65%	-1.58%	-2.82%	-2.69%	-0.37%	-0.32%	1.16%	1.04%	1.18%	1.03%
20-24	-6.77%	-5.71%	-5.39%	-4.99%	-2.50%	-2.11%	-1.14%	-1.08%	1.10%	0.86%	3.97%	3.45%
25-29	-1.13%	-1.36%	-4.74%	-3.94%	-0.33%	-0.41%	-1.01%	-0.84%	0.14%	0.16%	3.77%	2.87%
30-34	-1.08%	-1.11%	-0.74%	-0.89%	-0.29%	-0.32%	-0.13%	-0.16%	0.12%	0.13%	0.46%	0.58%
35-39	-0.56%	-1.28%	-0.71%	-0.73%	-0.18%	-0.40%	-0.11%	-0.13%	0.06%	0.14%	0.41%	0.46%
40-44	0.05%	-0.84%	-0.37%	-0.85%	0.02%	-0.30%	-0.07%	-0.16%	-0.01%	0.12%	0.22%	0.49%
45-49	0.30%	-0.29%	0.03%	-0.56%	0.12%	-0.12%	0.01%	-0.12%	-0.05%	0.04%	-0.02%	0.36%
50-54	0.10%	-0.32%	0.20%	-0.19%	0.04%	-0.13%	0.05%	-0.05%	-0.02%	0.06%	-0.16%	0.16%
55-59	-0.62%	-0.81%	0.07%	-0.21%	-0.26%	-0.34%	0.02%	-0.05%	0.13%	0.15%	-0.07%	0.20%
60-64	-0.50%	-0.55%	-0.43%	-0.55%	-0.18%	-0.19%	-0.11%	-0.14%	0.09%	0.09%	0.47%	0.61%
65-69	0.03%	-0.38%	-0.36%	-0.38%	0.01%	-0.11%	-0.08%	-0.08%	0.00%	0.05%	0.33%	0.36%
70-74	0.97%	0.48%	0.02%	-0.28%	0.24%	0.12%	0.00%	-0.05%	-0.10%	-0.04%	-0.02%	0.22%
75-79	1.52%	0.87%	0.84%	0.38%	0.36%	0.20%	0.13%	0.05%	-0.13%	-0.07%	-0.47%	-0.20%
80-84	-5.21%	-3.30%	1.35%	0.74%	-1.54%	-0.95%	0.19%	0.10%	0.47%	0.30%	-0.60%	-0.33%
85+	-5.02%	-2.53%	-5.93%	-3.35%	-1.37%	-0.82%	-0.97%	-0.61%	0.41%	0.30%	2.55%	1.62%
SUBTOTAL	-1.54%	-1.46%	-1.02%	-0.98%	-0.51%	-0.49%	-0.20%	-0.20%	0.21%	0.19%	0.72%	0.69%
TOTAL		-1.50%		-1.00%		-0.50%		-0.20%		0.20%		0.70%

Prepared by: Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Tuscarawas**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS		NET MIGRANTS	
	MALE	FEMALE										
0-4	7	23	-33	-15	-3	-9	27	13	-4	-14	39	18
5-9	77	83	10	17	-31	-33	-8	-14	-46	-49	-11	-19
10-14	-32	-34	45	47	13	13	-37	-39	19	20	-52	-54
15-19	-457	-365	-27	-28	181	144	22	23	271	216	31	33
20-24	-335	-284	-268	-213	132	112	221	176	198	168	312	248
25-29	84	19	-152	-132	-33	-8	126	109	-50	-12	177	153
30-34	45	36	77	35	-18	-14	-64	-29	-27	-21	-90	-41
35-39	33	4	13	15	-13	-2	-11	-12	-19	-3	-16	-17
40-44	41	6	17	0	-16	-2	-14	0	-25	-3	-20	0
45-49	21	2	22	3	-8	-1	-18	-3	-12	-1	-25	-4
50-54	59	22	8	1	-23	-9	-7	-1	-35	-13	-10	-1
55-59	76	47	34	13	-30	-19	-28	-11	-45	-28	-40	-15
60-64	53	44	39	26	-21	-17	-32	-21	-31	-26	-46	-30
65-69	37	73	25	21	-15	-29	-20	-18	-22	-43	-29	-25
70-74	73	99	18	40	-29	-39	-15	-33	-43	-59	-21	-46
75-79	50	50	41	52	-20	-20	-33	-43	-29	-29	-47	-61
80-84	-42	0	22	20	17	0	-18	-17	25	0	-26	-24
85+	-66	-8	-58	-7	26	3	48	6	39	5	68	8
SUBTOTAL	-276	-182	-168	-105	109	72	139	87	163	108	196	123
TOTAL		-458		-274		181		226		271		318

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE		MIGRATION RATE	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
0-4	0.24%	0.81%	-1.20%	-0.53%	-0.10%	-0.33%	0.95%	0.42%	-0.12%	-0.42%	1.17%	0.51%
5-9	2.65%	3.03%	0.36%	0.57%	-1.12%	-1.14%	-0.30%	-0.49%	-1.59%	-1.76%	-0.36%	-0.59%
10-14	-1.03%	-1.15%	1.48%	1.65%	0.45%	0.45%	-1.36%	-1.36%	0.70%	0.71%	-1.82%	-1.83%
15-19	-13.97%	-12.05%	-0.88%	-0.98%	5.96%	5.03%	0.79%	0.79%	10.25%	7.27%	1.16%	1.17%
20-24	-10.82%	-9.84%	-9.59%	-8.01%	4.42%	3.93%	6.94%	5.84%	7.10%	5.29%	10.79%	8.26%
25-29	3.47%	0.81%	-5.56%	-5.07%	-1.33%	-0.32%	4.05%	3.67%	-1.47%	-0.38%	5.98%	4.90%
30-34	1.70%	1.34%	3.09%	1.45%	-0.70%	-0.57%	-2.59%	-1.19%	-0.84%	-0.88%	-2.71%	-1.29%
35-39	1.22%	0.16%	0.50%	0.56%	-0.50%	-0.07%	-0.44%	-0.51%	-0.81%	-0.10%	-0.49%	-0.58%
40-44	1.49%	0.21%	0.64%	-0.01%	-0.61%	-0.08%	-0.56%	0.00%	-0.98%	-0.14%	-0.85%	0.01%
45-49	0.73%	0.08%	0.79%	0.13%	-0.31%	-0.04%	-0.69%	-0.11%	-0.50%	-0.05%	-1.04%	-0.17%
50-54	1.85%	0.66%	0.31%	0.03%	-0.87%	-0.33%	-0.27%	-0.03%	-1.40%	-0.52%	-0.41%	-0.04%
55-59	2.20%	1.34%	1.08%	0.40%	-1.13%	-0.67%	-1.08%	-0.42%	-1.84%	-1.09%	-1.66%	-0.60%
60-64	1.75%	1.35%	1.19%	0.76%	-0.70%	-0.55%	-1.32%	-0.82%	-1.31%	-1.00%	-2.04%	-1.32%
65-69	1.47%	2.64%	0.88%	0.70%	-0.48%	-0.89%	-0.76%	-0.61%	-1.00%	-1.49%	-1.34%	-1.11%
70-74	4.46%	5.08%	0.83%	1.61%	-1.23%	-1.46%	-0.58%	-1.18%	-1.94%	-2.14%	-1.13%	-2.22%
75-79	4.11%	3.15%	3.09%	3.03%	-1.18%	-0.93%	-1.88%	-1.93%	-1.53%	-1.34%	-2.82%	-2.94%
80-84	-5.35%	0.02%	2.68%	1.70%	1.85%	-0.01%	-1.70%	-1.09%	2.15%	-0.01%	-2.07%	-1.41%
85+	-7.47%	-0.60%	-6.38%	-0.55%	2.61%	0.24%	4.24%	0.42%	2.98%	0.34%	4.58%	0.49%
SUBTOTAL	-0.61%	-0.39%	-0.37%	-0.23%	0.25%	0.16%	0.31%	0.19%	0.37%	0.23%	0.44%	0.26%
TOTAL		-0.50%		-0.30%		0.20%		0.25%		0.30%		0.35%

Prepared by:
Dr. Jian He, State Demographer
Research Office
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Union**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	190	142	32	66	251	188	42	88	326	244	54	113
5-9	194	213	207	153	258	282	273	203	334	366	352	261
10-14	22	72	206	228	29	95	272	302	38	124	351	388
15-19	-187	-178	17	71	-248	-236	23	94	-321	-307	29	121
20-24	-29	47	-206	-198	-38	62	-272	-262	-50	80	-350	-337
25-29	252	297	-25	58	335	394	-33	77	434	511	-42	99
30-34	263	249	278	324	349	331	367	428	453	429	472	551
35-39	196	176	279	262	260	234	369	347	337	304	475	446
40-44	149	122	205	184	198	162	272	244	257	211	349	314
45-49	95	82	157	128	126	109	207	169	164	141	267	218
50-54	50	34	99	86	66	46	131	113	86	59	169	146
55-59	17	51	51	35	22	67	68	46	29	87	88	59
60-64	11	18	16	55	15	24	22	72	19	31	28	93
65-69	6	5	11	18	8	7	15	23	10	9	20	30
70-74	3	18	6	5	4	24	8	7	5	31	10	8
75-79	8	26	3	19	11	34	4	26	15	44	5	33
80-84	-16	10	9	27	-21	13	12	36	-27	17	16	46
85+	-17	10	-36	20	-23	13	-47	27	-30	17	-61	35
SUBTOTAL	1,209	1,394	1,312	1,542	1,603	1,849	1,735	2,039	2,078	2,397	2,232	2,622
TOTAL		2,603		2,853		3,452		3,773		4,476		4,854

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	15.25%	10.94%	2.49%	4.94%	18.66%	13.38%	2.83%	5.61%	21.51%	15.43%	3.54%	7.03%
5-9	11.19%	11.38%	14.45%	10.66%	19.61%	20.08%	17.12%	12.72%	21.78%	20.38%	19.13%	14.29%
10-14	1.02%	3.88%	10.68%	10.99%	1.80%	6.02%	17.35%	17.93%	2.04%	6.23%	18.78%	19.35%
15-19	-9.00%	-8.52%	0.78%	3.69%	-11.67%	-10.27%	1.38%	5.59%	-17.53%	-17.28%	1.55%	6.32%
20-24	-1.64%	2.75%	-10.95%	-10.37%	-1.75%	3.11%	-14.59%	-12.70%	-2.99%	4.47%	-23.30%	-20.13%
25-29	23.61%	28.77%	-1.44%	3.34%	20.19%	23.11%	-1.52%	3.75%	27.50%	24.05%	-2.62%	5.35%
30-34	20.96%	18.16%	21.18%	24.45%	20.78%	18.50%	18.57%	20.48%	21.64%	17.03%	23.65%	24.01%
35-39	12.10%	10.34%	18.54%	16.28%	16.53%	14.31%	18.35%	16.49%	14.52%	12.39%	18.83%	17.67%
40-44	7.81%	6.23%	11.46%	9.87%	11.26%	8.74%	15.02%	13.14%	10.95%	10.03%	13.32%	11.27%
45-49	4.67%	4.12%	7.69%	6.17%	6.41%	5.33%	10.72%	8.43%	7.98%	6.48%	10.36%	8.29%
50-54	2.47%	1.73%	4.76%	4.17%	3.10%	2.09%	6.40%	5.32%	4.12%	2.64%	7.79%	6.61%
55-59	0.91%	2.85%	2.57%	1.77%	1.04%	3.25%	3.20%	2.13%	1.36%	3.96%	4.17%	2.75%
60-64	0.77%	1.28%	0.94%	3.08%	0.75%	1.23%	1.08%	3.49%	0.91%	1.43%	1.38%	4.26%
65-69	0.59%	0.43%	0.88%	1.34%	0.49%	0.39%	0.86%	1.28%	0.55%	0.47%	1.03%	1.49%
70-74	0.43%	2.30%	0.69%	0.48%	0.34%	2.03%	0.57%	0.44%	0.33%	2.04%	0.64%	0.48%
75-79	1.92%	5.29%	0.54%	2.97%	1.57%	3.99%	0.43%	2.62%	1.28%	4.38%	0.41%	2.44%
80-84	-6.33%	2.80%	3.04%	7.31%	-5.63%	2.72%	2.48%	5.56%	-4.36%	2.54%	2.01%	4.94%
85+	-7.14%	3.27%	-14.39%	6.68%	-8.22%	4.08%	-14.36%	7.17%	-7.12%	4.24%	-11.41%	6.20%
SUBTOTAL	4.87%	5.55%	5.01%	5.76%	5.81%	6.50%	5.95%	6.72%	6.78%	7.44%	6.91%	7.66%
TOTAL		5.21%		5.39%		6.16%		6.34%		7.12%		7.29%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Development Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Van Wert**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	28	51	2	5	31	56	1	3	10	18	0	0
5-9	8	41	30	54	9	46	21	38	3	15	2	4
10-14	-45	-32	9	44	-50	-35	6	31	-16	-12	1	3
15-19	-193	-203	-48	-34	-214	-225	-34	-23	-70	-74	-3	-2
20-24	-130	-125	-205	-216	-144	-139	-143	-151	-47	-45	-14	-15
25-29	-4	30	-140	-135	-5	33	-98	-94	-2	11	-9	-9
30-34	8	-14	-6	31	9	-16	-4	21	3	-5	0	2
35-39	-7	-8	8	-15	-8	-9	6	-11	-2	-3	1	-1
40-44	2	-22	-7	-9	3	-24	-5	-6	1	-8	0	-1
45-49	3	-20	3	-23	3	-22	2	-16	1	-7	0	-2
50-54	-18	-12	3	-21	-20	-13	2	-15	-6	-4	0	-1
55-59	0	-18	-19	-13	0	-21	-13	-9	0	-7	-1	-1
60-64	5	-3	0	-20	6	-4	0	-14	2	-1	0	-1
65-69	1	-3	5	-4	1	-3	4	-2	0	-1	0	0
70-74	15	-3	1	-3	17	-4	0	-2	6	-1	0	0
75-79	-7	22	16	-4	-8	25	11	-3	-3	8	1	0
80-84	-27	-2	-8	23	-30	-3	-5	16	-10	-1	-1	2
85+	-27	-2	-58	-5	-30	-2	-41	-3	-10	-1	-4	0
SUBTOTAL	-388	-325	-414	-343	-431	-361	-289	-240	-141	-118	-28	-23
TOTAL		-713		-757		-791		-529		-258		-51

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.13%	5.39%	0.18%	0.48%	3.64%	6.26%	0.13%	0.36%	1.15%	1.98%	0.01%	0.03%
5-9	0.89%	4.36%	3.23%	5.43%	1.01%	4.62%	2.35%	3.94%	0.36%	1.50%	0.23%	0.39%
10-14	-4.73%	-3.33%	0.97%	4.48%	-5.30%	-3.39%	0.69%	2.98%	-1.82%	-1.09%	0.07%	0.33%
15-19	-18.96%	-21.03%	-5.29%	-3.63%	-22.27%	-22.00%	-3.75%	-2.33%	-7.39%	-7.47%	-0.37%	-0.23%
20-24	-13.00%	-12.49%	-25.03%	-28.32%	-16.84%	-15.65%	-19.29%	-18.87%	-5.49%	-7.02%	-1.60%	-1.49%
25-29	-4.73%	4.25%	-16.13%	-15.36%	-0.80%	6.11%	-13.77%	-12.57%	-0.27%	1.66%	-1.18%	-0.98%
30-34	0.98%	-1.85%	-0.90%	4.20%	1.24%	-2.16%	-0.68%	3.73%	0.48%	-0.87%	-0.07%	0.32%
35-39	-0.85%	-0.98%	1.02%	-1.98%	-1.19%	-1.19%	0.81%	-1.46%	-0.42%	-0.41%	0.09%	-0.16%
40-44	0.28%	-2.65%	-0.92%	-1.06%	0.33%	-3.22%	-0.81%	-0.82%	0.12%	-1.05%	-0.08%	-0.10%
45-49	0.33%	-2.36%	0.30%	-2.92%	0.41%	-2.75%	0.22%	-2.24%	0.17%	-1.04%	0.02%	-0.22%
50-54	-1.82%	-1.10%	0.36%	-2.64%	-2.38%	-1.76%	0.29%	-1.93%	-0.83%	-0.57%	0.04%	-0.20%
55-59	-0.02%	-1.69%	-2.05%	-1.22%	-0.03%	-2.65%	-1.70%	-1.24%	-0.01%	-0.94%	-0.17%	-0.13%
60-64	0.52%	-0.34%	-0.04%	-1.92%	0.65%	-0.36%	-0.04%	-1.91%	0.25%	-0.16%	0.00%	-0.19%
65-69	0.08%	-0.37%	0.62%	-0.41%	0.07%	-0.36%	0.48%	-0.27%	0.03%	-0.12%	0.06%	-0.04%
70-74	2.95%	-0.55%	0.11%	-0.45%	2.38%	-0.49%	0.06%	-0.27%	0.87%	-0.15%	0.01%	-0.04%
75-79	-2.02%	5.00%	3.79%	-0.72%	-1.70%	4.05%	1.94%	-0.40%	-0.45%	1.25%	0.21%	-0.04%
80-84	-10.92%	-0.64%	-2.99%	6.54%	-9.51%	-0.67%	-1.58%	3.36%	-2.31%	-0.17%	-0.12%	0.29%
85+	-10.31%	-0.51%	-23.15%	-1.19%	-12.38%	-0.63%	-14.78%	-0.86%	-3.14%	-0.21%	-1.00%	-0.07%
SUBTOTAL	-2.78%	-2.23%	-3.03%	-2.39%	-3.25%	-2.57%	-2.27%	-1.75%	-1.13%	-0.88%	-0.23%	-0.17%
TOTAL		-2.50%		-2.70%		-2.90%		-2.00%		-1.00%		-0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Development Services Office
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Vinton**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	9	6	8	-2	9	6	8	-2	9	6	9	-2
5-9	4	12	-8	-6	4	12	-8	-6	4	12	-8	-7
10-14	6	3	-5	-12	6	3	-5	-13	6	3	-5	-13
15-19	-40	-36	-6	-4	-41	-37	-6	-4	-42	-37	-6	-4
20-24	-29	-15	41	36	-30	-15	42	37	-31	-16	42	38
25-29	14	5	34	18	15	5	34	19	15	5	35	19
30-34	16	-5	-12	-3	16	-5	-12	-3	17	-5	-12	-4
35-39	11	8	-17	4	12	9	-18	5	12	9	-18	5
40-44	10	11	-13	-8	11	11	-13	-8	11	12	-14	-9
45-49	12	13	-12	-12	12	14	-12	-12	12	14	-12	-12
50-54	15	11	-13	-15	16	12	-13	-15	16	12	-13	-15
55-59	18	4	-17	-13	18	4	-17	-13	19	4	-18	-13
60-64	9	5	-20	-5	9	5	-20	-6	9	5	-21	-6
65-69	11	7	-11	-5	11	7	-11	-5	12	7	-11	-6
70-74	-2	-2	-12	-7	-2	-2	-13	-7	-2	-2	-13	-8
75-79	-5	-3	0	1	-5	-3	0	1	-5	-3	0	1
80-84	-4	-5	5	3	-4	-5	5	3	-4	-5	5	3
85+	-4	-4	9	11	-4	-4	9	11	-4	-5	9	11
SUBTOTAL	51	16	-48	-20	53	16	-50	-20	54	17	-51	-21
TOTAL		67		-68		69		-70		70		-71

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	2.12%	1.43%	1.74%	-0.43%	1.66%	1.12%	1.58%	-0.39%	1.66%	1.11%	1.58%	-0.39%
5-9	0.99%	2.70%	-1.94%	-1.47%	0.83%	2.45%	-1.52%	-1.15%	0.75%	2.19%	-1.52%	-1.15%
10-14	1.17%	0.65%	-1.18%	-2.79%	1.40%	0.68%	-0.99%	-2.54%	1.09%	0.61%	-0.89%	-2.30%
15-19	-8.26%	-7.34%	-1.26%	-0.91%	-10.78%	-8.61%	-1.50%	-0.96%	-8.96%	-8.97%	-1.17%	-0.75%
20-24	-5.66%	-3.08%	9.06%	7.99%	-6.46%	-3.58%	12.16%	9.49%	-7.68%	-3.68%	9.90%	8.51%
25-29	4.00%	1.55%	6.89%	3.93%	3.05%	1.05%	7.92%	4.59%	3.97%	1.21%	9.54%	4.83%
30-34	4.71%	-1.35%	-3.15%	-1.06%	3.20%	-1.00%	-2.43%	-0.72%	3.63%	-1.02%	-3.13%	-0.84%
35-39	2.90%	2.19%	-4.95%	1.31%	3.32%	2.72%	-3.41%	0.97%	2.53%	1.84%	-3.85%	1.12%
40-44	2.27%	2.58%	-3.31%	-2.10%	3.26%	3.31%	-3.79%	-2.60%	2.20%	3.69%	-2.91%	-1.78%
45-49	2.65%	2.90%	-2.56%	-2.76%	3.16%	3.63%	-3.64%	-3.51%	3.62%	4.13%	-2.48%	-2.62%
50-54	3.25%	2.28%	-3.00%	-3.16%	3.75%	2.85%	-3.56%	-3.93%	5.37%	3.28%	-4.05%	-4.83%
55-59	3.54%	0.83%	-3.64%	-2.61%	4.72%	1.00%	-4.19%	-3.24%	5.62%	1.11%	-5.90%	-4.10%
60-64	1.98%	1.04%	-4.10%	-1.12%	2.20%	1.07%	-5.41%	-1.36%	2.53%	1.23%	-6.37%	-1.69%
65-69	3.15%	1.80%	-2.71%	-1.24%	2.83%	1.55%	-3.01%	-1.27%	3.77%	1.67%	-3.45%	-1.58%
70-74	-0.60%	-0.63%	-4.20%	-2.17%	-0.51%	-0.47%	-3.79%	-1.87%	-0.57%	-0.45%	-4.99%	-2.26%
75-79	-2.52%	-1.30%	0.24%	0.53%	-2.24%	-1.04%	0.21%	0.39%	-2.01%	-0.94%	0.23%	0.40%
80-84	-4.16%	-3.37%	4.03%	1.66%	-3.22%	-3.06%	3.58%	1.32%	-2.74%	-2.54%	3.19%	1.13%
85+	-4.70%	-2.75%	9.42%	5.53%	-2.86%	-1.86%	6.41%	4.23%	-2.25%	-1.68%	5.21%	3.21%
SUBTOTAL	0.77%	0.23%	-0.72%	-0.29%	0.78%	0.23%	-0.73%	-0.28%	0.79%	0.23%	-0.74%	-0.28%
TOTAL		0.50%		-0.50%		0.50%		-0.50%		0.50%		-0.50%

Prepared by: Dr. Jian He, State Demographer
Research Office of Development Services Agency
May 2013

Note: Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Warren**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	234	214	33	40	210	192	28	34	180	165	21	26
5-9	275	252	180	165	247	226	151	138	211	193	116	106
10-14	80	66	209	191	72	59	175	160	62	51	134	123
15-19	-183	-175	57	47	-164	-157	48	39	-141	-134	37	30
20-24	-3	75	-143	-136	-3	67	-120	-114	-2	58	-92	-87
25-29	287	345	1	61	257	309	1	51	220	265	1	39
30-34	343	346	222	265	307	310	186	223	263	265	142	170
35-39	279	264	260	261	250	236	218	219	214	202	167	168
40-44	192	157	210	198	172	141	176	166	147	121	135	127
45-49	123	131	144	117	110	117	121	98	94	100	92	75
50-54	96	101	92	98	86	90	77	83	74	77	59	63
55-59	75	82	72	76	67	73	61	64	57	63	46	49
60-64	52	77	56	62	47	69	47	52	40	59	36	40
65-69	49	71	39	58	44	64	33	49	37	54	25	37
70-74	36	52	37	53	33	47	31	45	28	40	24	34
75-79	42	59	27	39	38	53	23	33	33	45	18	25
80-84	9	48	32	45	8	43	27	38	7	37	21	29
85+	9	49	13	72	8	44	11	61	7	37	8	46
SUBTOTAL	1,995	2,213	1,541	1,713	1,790	1,985	1,294	1,438	1,532	1,699	989	1,100
TOTAL		4,208		3,254		3,775		2,732		3,231		2,089

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	3.66%	3.20%	0.54%	0.63%	3.21%	2.80%	0.38%	0.44%	2.46%	2.14%	0.31%	0.36%
5-9	3.72%	3.66%	2.72%	2.38%	4.03%	3.51%	2.24%	1.96%	2.90%	2.69%	1.54%	1.35%
10-14	0.90%	0.79%	2.72%	2.68%	1.06%	0.84%	2.75%	2.41%	0.90%	0.74%	1.79%	1.56%
15-19	-2.08%	-2.07%	0.64%	0.56%	-2.09%	-2.15%	0.71%	0.55%	-2.16%	-1.87%	0.53%	0.42%
20-24	-0.04%	1.10%	-1.66%	-1.65%	-0.03%	0.80%	-1.57%	-1.60%	-0.03%	0.82%	-1.45%	-1.31%
25-29	6.59%	8.13%	0.01%	0.88%	3.06%	3.81%	0.01%	0.60%	2.95%	3.10%	0.01%	0.54%
30-34	6.74%	6.30%	4.81%	5.81%	4.43%	4.47%	2.17%	2.65%	2.98%	3.08%	1.87%	2.35%
35-39	4.66%	3.98%	4.83%	4.50%	5.22%	4.91%	3.04%	3.04%	2.46%	2.72%	1.85%	1.92%
40-44	2.57%	1.96%	3.39%	2.89%	3.08%	2.34%	3.53%	3.31%	2.01%	2.33%	1.53%	1.46%
45-49	1.48%	1.51%	1.90%	1.45%	1.75%	1.68%	2.13%	1.61%	1.85%	1.62%	1.25%	1.01%
50-54	1.12%	1.15%	1.11%	1.14%	1.15%	1.12%	1.23%	1.18%	1.31%	1.10%	1.16%	1.23%
55-59	0.97%	1.04%	0.86%	0.87%	0.83%	0.86%	0.83%	0.80%	0.94%	0.78%	0.84%	0.80%
60-64	0.89%	1.23%	0.77%	0.81%	0.58%	0.82%	0.62%	0.63%	0.57%	0.71%	0.62%	0.59%
65-69	1.04%	1.40%	0.73%	0.99%	0.66%	0.89%	0.45%	0.62%	0.54%	0.69%	0.40%	0.52%
70-74	1.22%	1.54%	0.92%	1.18%	0.71%	0.90%	0.54%	0.71%	0.45%	0.63%	0.40%	0.50%
75-79	2.18%	2.39%	1.19%	1.39%	1.24%	1.41%	0.65%	0.77%	0.75%	1.04%	0.37%	0.44%
80-84	0.77%	3.12%	2.40%	2.54%	0.53%	2.15%	1.29%	1.42%	0.30%	1.37%	0.70%	0.78%
85+	0.89%	4.47%	1.21%	7.50%	0.66%	4.36%	0.81%	5.56%	0.40%	3.25%	0.42%	2.95%
SUBTOTAL	1.92%	2.07%	1.44%	1.55%	1.64%	1.76%	1.16%	1.24%	1.36%	1.44%	0.87%	0.92%
TOTAL		2.00%		1.50%		1.70%		1.20%		1.40%		0.90%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Development Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Washington**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	20	11	-3	3	-8	-4	7	-7	-29	-16	14	-13
5-9	-4	6	8	4	1	-2	-19	-10	5	-8	-36	-20
10-14	-30	-45	-1	2	11	17	3	-5	43	64	6	-10
15-19	-138	-109	-12	-18	52	41	27	41	197	156	52	78
20-24	-116	-85	-54	-42	44	32	127	100	166	121	240	190
25-29	17	13	-45	-33	-6	-5	106	78	-24	-18	201	147
30-34	9	11	7	5	-3	-4	-16	-12	-12	-15	-30	-23
35-39	20	6	3	4	-8	-2	-8	-10	-29	-8	-15	-19
40-44	3	-2	8	2	-1	1	-18	-5	-4	3	-35	-10
45-49	2	-4	1	-1	-1	1	-3	2	-2	5	-5	4
50-54	24	3	1	-1	-9	-1	-2	3	-35	-5	-3	6
55-59	17	4	9	1	-7	-1	-22	-3	-25	-5	-42	-6
60-64	17	19	7	1	-7	-7	-16	-3	-25	-28	-30	-6
65-69	10	13	7	8	-4	-5	-16	-18	-14	-18	-30	-34
70-74	11	20	4	5	-4	-7	-9	-11	-16	-28	-17	-22
75-79	7	9	4	8	-2	-4	-10	-18	-9	-13	-19	-34
80-84	-16	0	3	4	6	0	-6	-9	23	0	-11	-16
85+	-17	0	-13	0	6	0	30	0	24	0	57	1
SUBTOTAL	-163	-131	-67	-48	62	50	157	113	233	187	298	215
TOTAL		-294		-115		111		270		421		513

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.47%	0.78%	-0.23%	0.20%	-0.56%	-0.30%	0.54%	-0.47%	-2.10%	-1.12%	1.04%	-0.90%
5-9	-0.22%	0.37%	0.56%	0.30%	0.10%	-0.15%	-1.38%	-0.73%	0.38%	-0.59%	-2.62%	-1.38%
10-14	-1.66%	-2.60%	-0.09%	0.14%	0.80%	1.16%	0.25%	-0.37%	3.20%	4.50%	0.47%	-0.71%
15-19	-7.41%	-6.00%	-0.66%	-1.04%	3.13%	2.65%	1.93%	2.79%	14.46%	10.24%	3.78%	5.32%
20-24	-5.85%	-4.80%	-3.13%	-2.49%	2.51%	1.94%	7.40%	6.29%	11.49%	7.17%	15.46%	12.08%
25-29	1.11%	0.84%	-2.43%	-1.96%	-0.39%	-0.30%	5.98%	4.61%	-1.32%	-1.05%	12.63%	9.01%
30-34	0.53%	0.67%	0.44%	0.33%	-0.18%	-0.25%	-0.97%	-0.73%	-0.65%	-0.94%	-1.68%	-1.38%
35-39	1.24%	0.35%	0.21%	0.26%	-0.50%	-0.14%	-0.44%	-0.60%	-1.80%	-0.52%	-0.81%	-1.08%
40-44	0.18%	-0.13%	0.48%	0.14%	-0.07%	0.06%	-1.24%	-0.35%	-0.25%	0.23%	-2.26%	-0.63%
45-49	0.09%	-0.19%	0.07%	-0.05%	-0.04%	0.08%	-0.18%	0.14%	-0.17%	0.33%	-0.31%	0.27%
50-54	1.16%	0.15%	0.04%	-0.07%	-0.58%	-0.07%	-0.10%	0.21%	-2.34%	-0.30%	-0.22%	0.43%
55-59	0.73%	0.15%	0.47%	0.06%	-0.37%	-0.08%	-1.49%	-0.18%	-1.71%	-0.31%	-3.07%	-0.39%
60-64	0.80%	0.85%	0.30%	0.06%	-0.35%	-0.34%	-0.98%	-0.20%	-1.81%	-1.59%	-2.28%	-0.44%
65-69	0.54%	0.64%	0.34%	0.35%	-0.18%	-0.21%	-0.94%	-0.89%	-0.95%	-0.91%	-2.47%	-2.24%
70-74	0.87%	1.30%	0.25%	0.28%	-0.25%	-0.39%	-0.52%	-0.59%	-1.12%	-1.45%	-1.38%	-1.55%
75-79	0.71%	0.83%	0.44%	0.60%	-0.21%	-0.25%	-0.81%	-1.15%	-0.72%	-0.87%	-1.81%	-2.41%
80-84	-2.90%	-0.03%	0.41%	0.45%	0.95%	0.01%	-0.78%	-0.84%	2.82%	0.03%	-1.33%	-1.43%
85+	-3.05%	-0.03%	-2.17%	-0.02%	0.95%	0.01%	4.15%	0.05%	2.84%	0.04%	6.09%	0.08%
SUBTOTAL	-0.57%	-0.44%	-0.24%	-0.16%	0.23%	0.17%	0.60%	0.41%	0.92%	0.69%	1.20%	0.81%
TOTAL		-0.50%		-0.20%		0.20%		0.50%		0.80%		1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Wayne**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	7	48	-14	-23	4	28	-6	-9	1	4	5	9
5-9	101	55	6	41	58	32	2	16	8	4	-2	-16
10-14	-123	-114	83	44	-71	-66	33	18	-10	-9	-33	-17
15-19	-568	-497	-105	-96	-328	-287	-41	-38	-46	-40	41	37
20-24	-444	-359	-469	-410	-256	-208	-185	-161	-36	-29	183	160
25-29	-74	37	-353	-285	-43	21	-139	-112	-6	3	138	111
30-34	45	50	-50	40	26	29	-20	16	4	4	19	-16
35-39	19	16	39	41	11	9	15	16	2	1	-15	-16
40-44	16	0	15	12	9	0	6	5	1	0	-6	-5
45-49	10	-34	13	0	6	-20	5	0	1	-3	-5	0
50-54	-5	11	8	-28	-3	6	3	-11	0	1	-3	11
55-59	18	17	-4	10	10	10	-2	4	1	1	2	-4
60-64	25	28	15	14	15	16	6	6	2	2	-6	-5
65-69	36	38	20	23	21	22	8	9	3	3	-8	-9
70-74	59	86	29	31	34	50	11	12	5	7	-11	-12
75-79	45	61	48	71	26	35	19	28	4	5	-19	-28
80-84	-20	39	36	48	-11	23	14	19	-2	3	-14	-19
85+	-22	40	-35	62	-13	23	-14	24	-2	3	14	-24
SUBTOTAL	-874	-478	-717	-407	-505	-276	-282	-160	-71	-39	280	159
TOTAL		-1352		-1123		-781		-443		-110		439

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.19%	1.30%	-0.39%	-0.62%	0.11%	0.76%	-0.15%	-0.24%	0.01%	0.10%	0.14%	0.23%
5-9	2.46%	1.50%	0.17%	1.09%	1.62%	0.85%	0.07%	0.43%	0.23%	0.12%	-0.06%	-0.42%
10-14	-2.96%	-2.91%	1.99%	1.19%	-2.00%	-1.73%	0.91%	0.47%	-0.28%	-0.24%	-0.91%	-0.47%
15-19	-13.55%	-12.58%	-2.61%	-2.53%	-7.72%	-7.60%	-1.19%	-1.01%	-1.27%	-1.10%	1.17%	1.01%
20-24	-11.25%	-9.35%	-13.00%	-11.89%	-6.60%	-5.64%	-4.74%	-4.64%	-1.06%	-0.88%	5.12%	4.30%
25-29	-2.29%	1.21%	-10.12%	-8.20%	-1.36%	0.70%	-3.85%	-3.25%	-0.16%	0.09%	4.11%	3.06%
30-34	1.41%	1.61%	-1.59%	1.31%	0.84%	0.92%	-0.64%	0.52%	0.11%	0.13%	0.53%	-0.47%
35-39	0.62%	0.49%	1.22%	1.28%	0.36%	0.29%	0.50%	0.50%	0.05%	0.04%	-0.45%	-0.48%
40-44	0.50%	0.00%	0.48%	0.37%	0.29%	0.00%	0.19%	0.15%	0.04%	0.00%	-0.19%	-0.15%
45-49	0.31%	-0.98%	0.40%	-0.01%	0.19%	-0.63%	0.16%	0.00%	0.03%	-0.09%	-0.17%	0.00%
50-54	-0.12%	0.26%	0.25%	-0.84%	-0.09%	0.19%	0.11%	-0.36%	-0.01%	0.03%	-0.11%	0.37%
55-59	0.45%	0.41%	-0.11%	0.24%	0.33%	0.30%	-0.06%	0.12%	0.05%	0.04%	0.06%	-0.13%
60-64	0.70%	0.75%	0.39%	0.35%	0.39%	0.41%	0.20%	0.17%	0.07%	0.07%	-0.22%	-0.19%
65-69	1.23%	1.20%	0.63%	0.64%	0.59%	0.59%	0.24%	0.24%	0.11%	0.09%	-0.30%	-0.31%
70-74	2.90%	3.76%	1.16%	1.09%	1.21%	1.59%	0.38%	0.37%	0.17%	0.21%	-0.49%	-0.47%
75-79	3.21%	3.54%	2.97%	3.59%	1.33%	1.47%	0.86%	1.06%	0.16%	0.19%	-0.84%	-1.03%
80-84	-2.20%	3.19%	3.68%	3.67%	-1.01%	1.50%	1.06%	1.06%	-0.11%	0.18%	-0.90%	-0.91%
85+	-2.68%	3.20%	-3.89%	4.86%	-1.29%	1.71%	-1.23%	1.69%	-0.14%	0.22%	0.91%	-1.34%
SUBTOTAL	-1.57%	-0.84%	-1.30%	-0.71%	-0.92%	-0.49%	-0.52%	-0.28%	-0.13%	-0.07%	0.52%	0.28%
TOTAL		-1.20%		-1.00%		-0.70%		-0.40%		-0.10%		0.40%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

**DEVELOPMENT SERVICES AGENCY
MIGRATION PROJECTIONS BY AGE AND SEX**

COUNTY: **Williams**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	65	72	23	2	62	69	16	1	23	26	2	0
5-9	-9	8	69	77	-9	8	48	53	-3	3	5	5
10-14	-66	-78	-8	10	-63	-74	-5	7	-24	-28	-1	1
15-19	-232	-227	-70	-82	-221	-216	-49	-57	-83	-81	-5	-5
20-24	-199	-142	-248	-242	-189	-135	-173	-169	-71	-51	-17	-16
25-29	32	21	-217	-156	30	20	-151	-109	11	7	-15	-10
30-34	2	-32	28	18	2	-30	20	12	1	-11	2	1
35-39	-32	-6	3	-33	-31	-5	2	-23	-12	-2	0	-2
40-44	-11	-13	-34	-7	-10	-12	-24	-5	-4	-5	-2	0
45-49	-15	-17	-12	-14	-15	-16	-8	-10	-6	-6	-1	-1
50-54	1	-18	-17	-18	1	-17	-12	-12	0	-7	-1	-1
55-59	1	4	1	-20	1	4	1	-14	1	1	0	-1
60-64	-5	-4	2	4	-5	-3	1	3	-2	-1	0	0
65-69	8	3	-6	-4	7	3	-4	-3	3	1	0	0
70-74	19	-2	8	3	18	-2	6	2	7	-1	1	0
75-79	1	7	21	-2	1	6	14	-2	0	2	1	0
80-84	-25	-4	1	7	-24	-4	1	5	-9	-2	0	0
85+	-23	-4	-52	-9	-22	-4	-36	-6	-8	-1	-3	-1
SUBTOTAL	-490	-432	-509	-467	-466	-411	-355	-326	-175	-155	-34	-31
TOTAL		-922		-976		-876		-680		-330		-65

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	6.06%	6.45%	2.05%	0.17%	6.01%	6.40%	1.49%	0.12%	2.21%	2.35%	0.13%	0.01%
5-9	-0.81%	0.69%	6.12%	6.42%	-0.76%	0.65%	4.45%	4.67%	-0.30%	0.24%	0.43%	0.45%
10-14	-5.08%	-6.29%	-0.70%	0.90%	-5.24%	-5.82%	-0.48%	0.62%	-2.09%	-2.36%	-0.05%	0.06%
15-19	-18.71%	-18.01%	-5.72%	-7.09%	-20.14%	-18.52%	-4.33%	-4.79%	-7.48%	-7.14%	-0.43%	-0.47%
20-24	-15.65%	-11.83%	-24.63%	-23.50%	-16.40%	-12.56%	-19.79%	-17.83%	-6.62%	-6.53%	-1.62%	-1.48%
25-29	3.38%	2.31%	-20.32%	-14.84%	4.02%	2.49%	-15.74%	-11.65%	1.64%	0.89%	-1.45%	-0.97%
30-34	0.20%	-3.19%	2.90%	1.96%	0.23%	-3.40%	2.52%	1.54%	0.09%	-1.40%	0.27%	0.15%
35-39	-3.02%	-0.53%	0.29%	-3.45%	-3.10%	-0.59%	0.24%	-2.70%	-1.46%	-0.25%	0.02%	-0.28%
40-44	-0.93%	-1.21%	-3.31%	-0.65%	-1.00%	-1.33%	-2.50%	-0.53%	-0.45%	-0.51%	-0.29%	-0.06%
45-49	-1.38%	-1.45%	-1.09%	-1.33%	-1.50%	-1.50%	-0.86%	-1.07%	-0.61%	-0.66%	-0.10%	-0.11%
50-54	0.09%	-1.32%	-1.54%	-1.60%	0.11%	-1.70%	-1.23%	-1.21%	0.05%	-0.64%	-0.13%	-0.14%
55-59	0.10%	0.27%	0.07%	-1.49%	0.13%	0.36%	0.06%	-1.41%	0.06%	0.15%	0.01%	-0.15%
60-64	-0.43%	-0.29%	0.11%	0.27%	-0.42%	-0.28%	0.11%	0.26%	-0.20%	-0.13%	0.01%	0.03%
65-69	0.81%	0.30%	-0.50%	-0.32%	0.57%	0.22%	-0.36%	-0.23%	0.31%	0.10%	-0.04%	-0.03%
70-74	2.73%	-0.28%	0.99%	0.34%	1.91%	-0.21%	0.51%	0.18%	0.73%	-0.07%	0.07%	0.02%
75-79	0.10%	1.16%	3.61%	-0.34%	0.08%	0.80%	1.86%	-0.19%	0.02%	0.26%	0.18%	-0.02%
80-84	-8.39%	-1.06%	0.29%	1.67%	-5.72%	-0.79%	0.17%	0.84%	-1.62%	-0.27%	0.01%	0.06%
85+	-6.96%	-0.77%	-15.38%	-1.80%	-5.80%	-0.78%	-8.34%	-1.15%	-1.70%	-0.27%	-0.59%	-0.09%
SUBTOTAL	-2.69%	-2.31%	-2.86%	-2.54%	-2.71%	-2.30%	-2.14%	-1.87%	-1.09%	-0.91%	-0.21%	-0.19%
TOTAL		-2.50%		-2.70%		-2.50%		-2.00%		-1.00%		-0.20%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Wood**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	0	6	13	8	-1	-11	45	27	-1	-12	44	27
5-9	23	19	-1	-5	-40	-34	-4	-17	-46	-39	-4	-17
10-14	-51	-57	-17	-14	91	101	-58	-48	104	115	-57	-47
15-19	-149	-101	40	44	265	180	134	147	303	205	132	146
20-24	-86	-29	110	74	154	52	372	249	176	60	368	246
25-29	9	7	59	18	-17	-12	199	60	-19	-14	196	60
30-34	-2	-7	-10	-6	3	13	-35	-21	3	14	-35	-21
35-39	-2	-9	2	6	3	16	6	19	4	19	6	19
40-44	7	-6	1	7	-12	11	4	22	-14	13	4	22
45-49	13	-2	-5	4	-24	3	-17	15	-27	4	-17	14
50-54	8	-5	-10	1	-14	8	-33	4	-16	9	-33	4
55-59	-7	-13	-5	3	13	23	-18	11	14	26	-18	11
60-64	-5	-8	6	10	10	13	19	32	11	15	19	32
65-69	1	2	4	5	-1	-4	13	17	-1	-5	13	17
70-74	16	15	-1	-2	-28	-27	-2	-7	-32	-30	-2	-7
75-79	10	19	-12	-11	-18	-34	-40	-38	-21	-39	-40	-37
80-84	-31	-14	-7	-14	56	25	-24	-46	64	28	-24	-46
85+	-36	-17	48	23	64	30	163	76	73	34	161	75
SUBTOTAL	-282	-198	214	149	503	353	723	503	575	404	714	498
TOTAL		-480		364		856		1,226		978		1,212

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	0.01%	0.19%	0.36%	0.21%	-0.02%	-0.29%	1.35%	0.78%	-0.03%	-0.38%	1.45%	0.84%
5-9	0.65%	0.57%	-0.03%	-0.15%	-1.09%	-0.88%	-0.10%	-0.46%	-1.39%	-1.04%	-0.12%	-0.52%
10-14	-1.31%	-1.59%	-0.48%	-0.42%	2.92%	3.10%	-1.57%	-1.24%	2.91%	3.05%	-1.74%	-1.38%
15-19	-3.76%	-2.60%	1.03%	1.24%	7.58%	5.41%	4.19%	4.39%	8.44%	5.86%	3.61%	3.81%
20-24	-2.12%	-0.74%	2.91%	1.96%	3.98%	1.47%	9.94%	7.13%	5.32%	1.59%	9.50%	6.18%
25-29	0.15%	0.11%	1.48%	0.45%	-0.42%	-0.32%	4.96%	1.68%	-0.46%	-0.39%	5.65%	1.68%
30-34	-0.04%	-0.19%	-0.17%	-0.10%	0.07%	0.32%	-0.91%	-0.56%	0.08%	0.38%	-0.86%	-0.56%
35-39	-0.05%	-0.27%	0.05%	0.15%	0.05%	0.27%	0.16%	0.49%	0.09%	0.47%	0.15%	0.53%
40-44	0.18%	-0.17%	0.04%	0.19%	-0.31%	0.30%	0.07%	0.36%	-0.34%	0.21%	0.11%	0.58%
45-49	0.37%	-0.05%	-0.14%	0.12%	-0.72%	0.10%	-0.46%	0.39%	-0.46%	0.10%	-0.44%	0.37%
50-54	0.20%	-0.10%	-0.28%	0.03%	-0.40%	0.23%	-1.04%	0.12%	-0.44%	0.28%	-0.57%	0.06%
55-59	-0.16%	-0.29%	-0.14%	0.08%	0.37%	0.64%	-0.54%	0.32%	0.47%	0.74%	-0.51%	0.32%
60-64	-0.15%	-0.19%	0.14%	0.22%	0.27%	0.33%	0.60%	0.93%	0.35%	0.44%	0.66%	1.01%
65-69	0.02%	0.08%	0.11%	0.14%	-0.03%	-0.11%	0.38%	0.45%	-0.05%	-0.13%	0.44%	0.54%
70-74	0.88%	0.69%	-0.03%	-0.08%	-0.98%	-0.78%	-0.08%	-0.20%	-1.15%	-0.84%	-0.10%	-0.25%
75-79	0.86%	1.24%	-0.85%	-0.62%	-0.93%	-1.41%	-1.82%	-1.35%	-0.87%	-1.41%	-1.84%	-1.31%
80-84	-3.67%	-1.21%	-0.86%	-1.21%	5.82%	1.89%	-1.79%	-2.69%	4.27%	1.68%	-1.45%	-2.14%
85+	-4.26%	-1.34%	5.28%	1.86%	6.33%	2.44%	13.90%	5.75%	4.87%	2.42%	9.16%	3.99%
SUBTOTAL	-0.48%	-0.32%	0.36%	0.24%	0.84%	0.57%	1.21%	0.80%	0.96%	0.65%	1.21%	0.80%
TOTAL		-0.40%		0.30%		0.70%		1.00%		0.80%		1.00%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group.
Expected population is calculated using population of base year times survival rates.
Full explanation can be found in " Detailed Methodology Report".

DEVELOPMENT SERVICES AGENCY MIGRATION PROJECTIONS BY AGE AND SEX

COUNTY: **Wyandot**

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	NET MIGRANTS MALE	NET MIGRANTS FEMALE										
0-4	12	20	2	4	9	16	2	3	6	11	0	1
5-9	26	3	14	25	20	2	12	20	14	1	3	5
10-14	-19	-14	32	4	-15	-11	26	3	-11	-8	7	1
15-19	-105	-104	-22	-17	-81	-80	-18	-14	-58	-57	-5	-4
20-24	-63	-68	-127	-126	-49	-53	-104	-103	-35	-38	-28	-28
25-29	5	10	-79	-86	4	8	-65	-70	3	5	-18	-19
30-34	12	17	4	10	9	13	4	8	7	9	1	2
35-39	8	-6	15	20	6	-4	12	17	4	-3	3	5
40-44	5	-10	10	-6	4	-8	8	-5	3	-6	2	-1
45-49	-3	-6	6	-12	-2	-5	5	-10	-2	-4	1	-3
50-54	10	-5	-4	-8	8	-4	-3	-7	6	-3	-1	-2
55-59	0	6	12	-6	0	5	10	-5	0	3	3	-1
60-64	2	4	1	7	1	3	0	6	1	2	0	2
65-69	8	11	2	5	6	9	2	4	4	6	0	1
70-74	5	7	9	14	4	6	8	11	3	4	2	3
75-79	-6	8	6	9	-5	6	5	7	-4	4	1	2
80-84	-2	6	-8	10	-2	5	-6	8	-1	3	-2	2
85+	-2	6	-5	16	-2	5	-4	13	-1	3	-1	3
SUBTOTAL	-109	-115	-133	-138	-84	-89	-109	-113	-60	-63	-30	-31
TOTAL		-224		-270		-173		-222		-124		-61

AGE COHORTS	10-15		15-20		20-25		25-30		30-35		35-40	
	MIGRATION RATE MALE	MIGRATION RATE FEMALE										
0-4	1.75%	2.90%	0.28%	0.58%	1.47%	2.43%	0.25%	0.51%	1.03%	1.71%	0.06%	0.13%
5-9	3.46%	0.37%	2.09%	3.42%	3.00%	0.28%	1.86%	3.05%	2.29%	0.21%	0.50%	0.83%
10-14	-2.46%	-1.89%	4.09%	0.52%	-2.13%	-1.47%	3.78%	0.42%	-1.66%	-1.10%	1.11%	0.12%
15-19	-12.50%	-14.40%	-2.98%	-2.34%	-10.12%	-11.53%	-2.73%	-1.91%	-8.18%	-8.04%	-0.81%	-0.57%
20-24	-8.26%	-9.31%	-17.49%	-20.51%	-6.76%	-7.51%	-14.63%	-16.88%	-5.39%	-7.46%	-4.41%	-4.39%
25-29	0.91%	1.79%	-11.43%	-12.88%	0.66%	1.57%	-9.77%	-10.81%	0.46%	0.94%	-2.93%	-2.86%
30-34	1.99%	2.62%	0.79%	1.80%	1.55%	2.24%	0.61%	1.68%	1.14%	1.85%	0.16%	0.44%
35-39	1.18%	-0.91%	2.41%	3.13%	1.11%	-0.76%	2.00%	2.86%	0.74%	-0.51%	0.56%	0.78%
40-44	0.64%	-1.41%	1.48%	-1.04%	0.57%	-1.16%	1.47%	-0.93%	0.42%	-1.00%	0.38%	-0.29%
45-49	-0.43%	-0.89%	0.81%	-1.77%	-0.36%	-0.83%	0.77%	-1.54%	-0.31%	-0.55%	0.21%	-0.47%
50-54	1.22%	-0.67%	-0.52%	-1.14%	1.10%	-0.60%	-0.46%	-1.12%	0.91%	-0.50%	-0.15%	-0.33%
55-59	0.03%	0.68%	1.50%	-0.86%	0.02%	0.68%	1.44%	-0.82%	0.02%	0.51%	0.46%	-0.23%
60-64	0.20%	0.59%	0.07%	0.83%	0.15%	0.47%	0.07%	0.89%	0.13%	0.37%	0.02%	0.29%
65-69	1.32%	1.76%	0.27%	0.80%	0.85%	1.12%	0.22%	0.67%	0.73%	0.95%	0.07%	0.21%
70-74	1.19%	1.57%	1.98%	2.36%	0.63%	0.90%	1.37%	1.60%	0.45%	0.55%	0.45%	0.57%
75-79	-1.98%	2.20%	1.81%	2.36%	-1.27%	1.26%	1.03%	1.45%	-0.77%	0.86%	0.28%	0.41%
80-84	-1.21%	2.16%	-3.78%	3.65%	-0.77%	1.72%	-2.55%	2.24%	-0.39%	0.94%	-0.59%	0.51%
85+	-1.06%	2.17%	-2.68%	5.89%	-0.77%	1.88%	-1.95%	5.20%	-0.47%	1.32%	-0.40%	1.16%
SUBTOTAL	-0.98%	-1.02%	-1.21%	-1.24%	-0.78%	-0.82%	-1.04%	-1.06%	-0.59%	-0.61%	-0.30%	-0.30%
TOTAL		-1.00%		-1.22%		-0.80%		-1.05%		-0.60%		-0.30%

Prepared by:

Dr. Jian He, State Demographer
Research Office of Ohio Department Services Agency
May 2013

Note:

Migration rate is calculated using NET migration counts of each age/sex group to Expected population of related age/sex group. Expected population is calculated using population of base year times survival rates. Full explanation can be found in "Detailed Methodology Report".