

An Analysis of Age-Specific Migration Trends: Pueblo County, Colorado

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Preparation of this document was funded, in part, with a planning grant from the Federal Highway Administration and the Federal Transit Administration. FHWA and FTA are not, however, responsible for the content of the document

November, 2005

Summary of Findings:

1990-2000

- Pueblo County experienced a population increase from 123,051 in 1990 to 141,472 in 2000. Net migration amounted to +13,000 residents. Natural increase (the excess of births over deaths) was approximately 5,000 persons, which further increased the population gain due to migration into Pueblo. The number of those moving in compared to those leaving the area is not known, however, the net result is that more moved to Pueblo than left.
- The population age 30-50 accounts for the greatest number of migrants to Pueblo County during this decade, almost 5,300. This represents 38.7 percent of total migrants.
- The population age 0-19 is the next-largest age segment of the population to have migrated to Pueblo. They probably represent the children of the cohort age 30-50 years old.
- Elderly migration, while significant, is not as sizeable as migration occurring within younger age segments. Persons age 50 and above account for 26.8 percent of total migrants.
- Of the approximately 43,000 Pueblo County residents aged 50 years old and over in 2000, migrants accounted for 8.5 percent of the total.
- The only age group having negative migration was those aged 25-29 years.

1980-1990

- Pueblo County experienced a population loss from 125,972 in 1980 to 123,051 in 1990. Net migration amounted to -10,000 residents. Natural increase (the excess of births over deaths) was approximately 7,400 persons, which somewhat alleviated the loss due to negative net migration from Pueblo.
- Persons aged 20-30 years old accounted for the greatest negative migration from Pueblo. Each five-year age interval (20-24 and 25-29 years) accounted for 2,500 and 3,300 residents respectively that left Pueblo during the decade.
- Persons aged 55 and over were the only age cohorts experiencing positive migration during this decade.
- For the population 50 and above, net migrants to Pueblo accounted for about 800 residents, only 2.2 percent of the total population age 50+--36,600 residents.

Introduction:

During the twenty-year period of 1980-2000, the Pueblo economy experienced fundamental changes that affected the demographic makeup of the community. The profound restructuring of employment during this time has its counterpart in the population distribution, particularly of the migration component. Since migration is a key to understanding other trends which may be occurring within a community, it is the intent of this report to chronicle and analyze these developments.

The dynamics of population change can be appreciated by understanding two fundamental concepts; natural increase and net migration. Natural increase is the excess of births over deaths in a closed population over a specific interval of time. If more births than deaths occur (normally the case), then the natural increase component of population change will be positive. Correspondingly, a negative natural increase (natural decrease) occurs if deaths exceed births within a given time period.

Net migration is a measure of total population movement into or out of a jurisdiction. It is the excess of in-migrants less out-migrants. Net migration is crucial to an understanding of the economic vitality of a community. Strong economic growth almost invariably implies positive migration. With a decline in the birth rate, net migration assumes a greater role in sustaining population growth. In some cases, it is also possible that a community will experience population growth but have negative net migration. This occurs when the natural increase component of population change is positive, but outweighs the negative value of net migration.

Economic activity and the level of migration are often strongly correlated, as shown in Table 1.

TABLE 1: SUMMARY POPULATION AND EMPLOYMENT TRENDS

(1)	(2)	(3)	(4)	(5)	(6)
Population (from Census)	Natural Increase (Births less Deaths)	Expected Population*	Implied Net Migration**	Population (from subsequent Census)	Employment Change
4/1/80 125,972	7,368	133,340	(10,289)	4/1/90 123,051	1980-1990 (1,042)
4/1/90 123,051	5,039	128,090	13,382	4/1/00 141,472	1990-2000 12,284

* Item (1) + Item (2)

** Item (5) - Item (3)

Pueblo County's population declined from 125,972 in 1980 to 123,051 in 1990. The natural increase which occurred during this time resulted in a gain of 7,368 persons. Adding this population to the 1980 Census enumerated population gives an expected population of 133,340. This is the population which would be expected if net migration were held to zero. This does not represent the real situation, however, where the 1990

Census counted a Pueblo County population of 123,051, over 10,000 less than the “expected” 1990 population. This negative value is due to net migration.

Table 1 suggests a relationship between employment and population. During the decade of 1980-1990, Pueblo experienced population loss, had substantial negative migration, and saw significant job loss; (employment declined from 48,473 in 1980 to 47,431 in 1990).

From 1990-2000 the situation was dramatically altered. Population gain was noteworthy, in-migration was substantial, and job growth was impressive. Economic growth through employment is not the only event which can influence net migration. A community which has a reputation of being attractive for retirees can also be expected to have a positive rate of migration for population within this age cohort. This occurs independently of employment-related migration, although the two developments may indirectly influence each other. An understanding of these trends is possible only through analysis of migration within age specific population segments. It is with this intent that this report has been prepared.

Methodology:

The following data elements are used to develop the migration model:

- Information on the sex and age distribution of Pueblo County's population from the 1980, 1990 and 2000 Censuses;
- Figures on the number of births by sex which occurred during each decade as published in vital statistics reports;
- Survival rates based on actuarial mortality data (derived from a life table).

For clarity, a description of the methodology is based on the 1980-1990 period. The procedure to develop age-specific migration for 1990-2000 is exactly the same.

The first step in developing the estimates of migration is to derive survival rates on an age-basis for the population in 1980. These rates represent the mortality experience of a population over a 10-year period of time. The rates can be derived from a life table, and are shown in the appendix, App. 3. These "survival" rates can be used to determine the population which could be expected in 1990 for a given age-cohort of the population. For example in 1980, the Pueblo County resident male population age 0-4 years was 4,840. Multiplying the survival rate to this age cohort (.9964 in round numbers) yields an expected population of 4,823 males in 2000. During this interval, the population will have aged 10 years, so subsequently is now 10-14 years old. In other words, during this period, 17 males are assumed to have died. Comparing the expected number of males age 10-14 years with the actual number as counted by the Census reveals an interesting development. The actual Census count of 4,699 is 124 less than the expected number of 4,823! The difference between the two figures can be explained by assuming that population of this age interval must have left Pueblo County during the interval of 1980-1990. This procedure is followed for each subsequent age group to determine the expected migration that is assumed to have taken place.

In order to determine the expected population for the youngest age cohorts, those 0-4 and 5-9 years old in 1990, the number of resident births must be obtained for this time period. Survival rates derived from a life table are then applied to this youngest age segment to determine the expected population in 1990, and subsequently the net migration, i.e. the difference between the actual and expected population.

For derivation of the survival rates, a U.S. National life table from 1985 was used for the analysis conducted over the 1980-1990 time interval. A 1996 life table from the National Center for Health Statistics was used for the 1990-2000 analysis period. Ideally, life table data specific to the geographic area for which the analysis is conducted should be used, however, the differences from using National as compared to local data are likely to be small, as will be elaborated upon in a subsequent section of this report.

Analysis of Conditions, 1990-2000

The first part of this report examines migration trends during the 1990-2000 period. The following data sources provide the basis for the subsequent analysis,

- Table 2 showing the number of migrants by age interval during the decade of 1990-2000.
- Fig. 1 showing the distribution of total population by age in 2000, and the number of persons within each age cohort who migrated to Pueblo County during 1990 to 2000.
- Fig. 2 showing migrants as a percent of total population during the 1990-2000 decade.

To simplify matters somewhat, for purposes of this analysis, the population is divided into four broad groups, those under age 20, those 20-30, 30-50, and 50 years or older. Examination of the data sources reveals that the population segment that experienced the greatest numeric migration to Pueblo County was those persons age 30-50 years of age. Each five-year age interval within this population segment accounted for well over 1,000 net migrants. As a whole, migrants in the 30-50 year old population totaled 5,286 persons, 38.7 percent of the total net migration of 13,671 persons. The population segment with the next-greatest number of migrants to Pueblo County was that of 0-19 year old persons. They accounted for 37.1 percent of total migrants, just a little less than the 30-50 year old age cohort. Migrants to Pueblo County aged 50 years and over accounted for 26.8 percent of total in-migrants. The age cohort age 20-30 was the only broad population category to have experienced a net negative migration during the decade of the 90s. The age interval 25-29 years experienced a net loss of -353 persons. The migration of the population segment aged 20-24 years old was essentially nil. This is in stark contrast to the situation ten years previously for this population group when it experienced huge population losses due to out-migration.

It seems apparent that the largest net in migration component is job-related, since it represents the population segment most likely to be employed. The next-largest component, those age 0-20 are the children of those age 30-50 years old. It is interesting to note that although Pueblo has been touted as a retirement-oriented community, migration of the elderly population to Pueblo, while significant, is definitely of secondary importance. Of the 42,937 persons aged 50 and over, 3,662 are estimated to have migrated to Pueblo County during the decade of the 90s. During this time interval, it is unknown how many of the elderly migrated to Pueblo County as compared to how many left. The figures cited above represent net values, implying that more have migrated to Pueblo than have left. It would be expected that a substantial proportion of the elderly have chosen to remain in Pueblo.

Accuracy of the Estimates:

As a cross-check of the accuracy of the data, figures on the total number of births and deaths during the decade of 1990-2000 were compiled using vital statistics information from the Colorado Department of Public Health and Environment. As shown in Table 1, these are used to compute the expected population in 2000, assuming no migration, and the component of total population attributable to net migration. The differences between these values, and those estimated by the age-specific migration model are relatively minor. The vital statistics based total expected 2000 population is 128,090. The model-estimated expected 2000 population is 127,801, a difference of 289, or 0.2%. The vital statistics based figure for derived net migration is 13,382, compared to a model-based estimate of 13,671, amounting to a difference of 2.2%.

Other sources of error: The procedure described in this report for determining migration involves the use of life tables to generate age-specific survival rates. This involves applying nationally derived rates of mortality to a local population whose mortality experience may be different from the national population. Nevertheless, given the similarity of the actual versus model-estimated values cited in the previous paragraph, this apparently has not severely impacted the data as estimated by the model.

A second factor which can have an effect on the reliability of the model is the accuracy of the population counts as determined by the census. At the local level there is no reliable method for assessing the level of census undercount or overcount. The model assumes that the census count is correct.

**TABLE 2: AGE-SPECIFIC MIGRATION SUMMARIZED
PUEBLO COUNTY, 1990-2000**

Both Sexes

AGE IN 1990	AGE IN 2000	1990	Survival Rates*	2000 Expected	2000 Actual	Difference due to Migration	Migrants as % of Total 2000 Pop.
Born 4/1/95-4/1/00	Under 5 years	9,123	X	9,051	9,537	486	5.1%
Born 4/1/90-4/1/95	5 to 9 years	8,858	X	8,775	10,276	1,501	14.6%
0 to 4 years	10 to 14 years	8,542	X	8,521	10,194	1,673	16.4%
5 to 9 years	15 to 19 years	9,369	X	9,337	10,749	1,412	13.1%
10 to 14 years	20 to 24 years	9,172	X	9,107	9,113	6	0.1%
15 to 19 years	25 to 29 years	9,015	X	8,927	8,574	(353)	-4.1%
20 to 24 years	30 to 34 years	7,722	X	7,634	8,942	1,308	14.6%
25 to 29 years	35 to 39 years	8,660	X	8,538	10,238	1,700	16.6%
30 to 34 years	40 to 44 years	9,627	X	9,446	10,692	1,246	11.7%
35 to 39 years	45 to 49 years	9,433	X	9,188	10,220	1,032	10.1%
40 to 44 years	50 to 54 years	8,523	X	8,204	8,875	671	7.6%
45 to 49 years	55 to 59 years	6,343	X	5,986	6,666	680	10.2%
50 to 54 years	60 to 64 years	5,700	X	5,216	5,940	724	12.2%
55 to 59 years	65 to 69 years	5,905	X	5,142	5,725	583	10.2%
60 to 64 years	70 to 74 years	6,363	X	5,148	5,581	433	7.8%
65 to 69 years	75 to 79 years	6,006	X	4,354	4,548	194	4.3%
70 to 74 years	80 to 84 years	4,782	X	2,917	3,001	84	2.8%
75 +	85 +	7,889	X	2,308	2,601	293	11.3%
	BOTH SEXES	123,051		127,801	141,472	13,671	9.7%

*See Appendix 1

**FIG. 1: POPULATION AND NET MIGRATION BY AGE
CLASS: PUEBLO COUNTY, CO., 1990-2000**

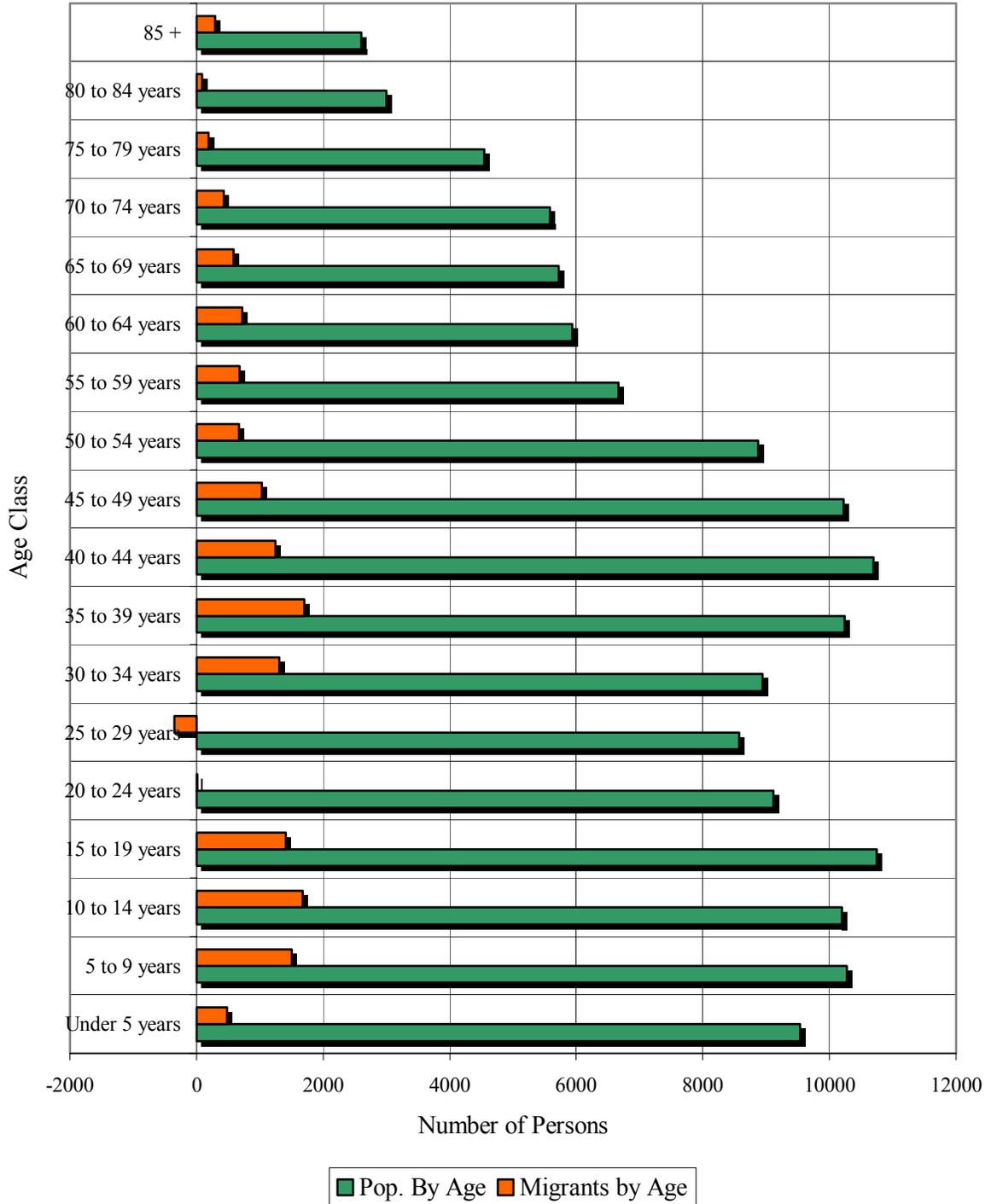
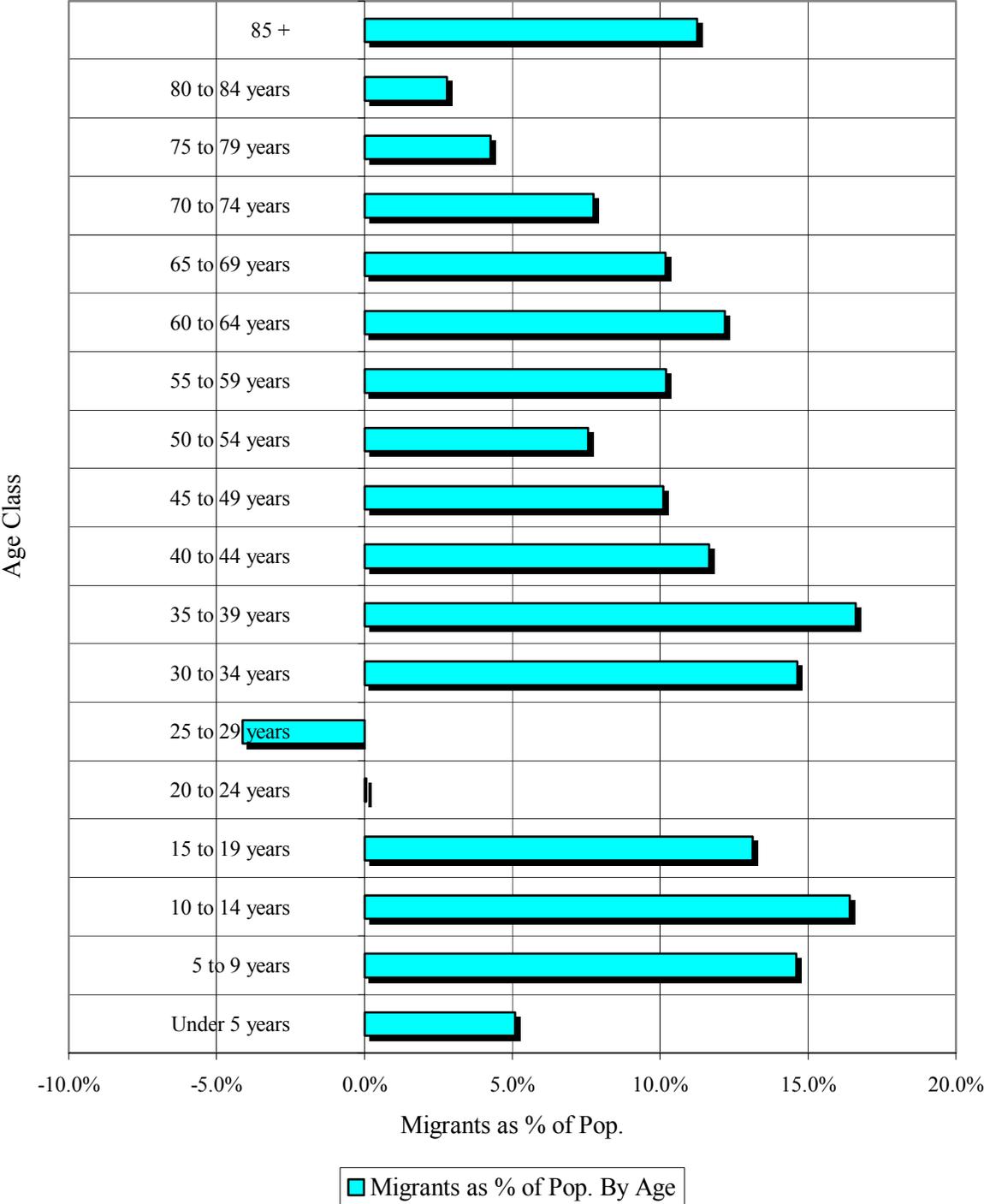


FIG. 2: AGE-SPECIFIC MIGRANT COMPONENT AS % OF TOTAL POPULATION, 1990-2000



Analysis of Conditions: 1980-1990

Going one decade further back in time, the second part of this report examines migration trends during the 1980-1990 period. A very different picture emerges compared to what was previously described. The following data sources as the basis for analysis,

- Table 3 shows the number of migrants by age interval during the decade of 1980-1990.
- Fig. 3 showing the distribution of total population by age in 1990, and the number of persons within each age cohort who migrated to Pueblo County during 1980 to 1990.
- Fig. 4 showing migrants as a percent of total population during the 1980-1990 decade.

One is immediately struck by the large number of negative migration values as shown in Table 3. For each age class up to age 55, migration was negative. The largest population loss from negative migration was for the five-year age segments of the population 20-24 years old, and 25-29 years old. The number migrating from Pueblo County during 1980-1990 for these two age groups was -2,508 and -3,302, respectively. For the entire 20-30 year old age component, negative net migration totaled -5,810. This represents 60.4 percent of the total net migration of -9,619 persons. The obvious reason for this is employment losses during the decade, which were only beginning to be mitigated by Pueblo's job creation efforts by the end of the decade. For the population 50 and above, only a scant 800 persons are estimated to have migrated to Pueblo. This represents only 2.2 percent of the total population within this age class. The graphs, Figs. 3 and 4, depict these trends. Fig. 3 is of particular interest, as it shows in addition to the total population by age, the number migrating to or from Pueblo County.

An explanation for the fairly sizeable number of in-migrants to Pueblo in the age cohort age 85 and over is somewhat difficult to derive. The trend seems significant for both the 1980-1990 and 1990-2000 time frame. Perhaps it is due to the fact that mortality within this population segment is substantial. National survival rates have been applied to the data, which may be appropriate for use in younger age cohorts, but not so appropriate for the oldest age interval, where a significant difference may exist between what the model shows as having occurred as compared to what is in fact happening. However, this development is overshadowed by the migration experience of the working age population, and for 1990-2000, the youngest age segments of the population.

Accuracy of the Estimates:

As a crosscheck of the accuracy of the data, figures on the total number of births and deaths during the decade of 1980-1990 were compiled using vital statistics information from the Colorado Department of Public Health and Environment. As shown in Table 1, these are used to compute the expected population in 1990, assuming no migration, and

the component of total population attributable to net migration. The differences between these values, and those estimated by the age-specific migration model are relatively minor, though of somewhat greater magnitude than was the case with the 1990-2000 estimates. The vital statistics based total expected 1990 population is 133,340. The model-estimated expected 1990 population is 132,670, a difference of 670, or 0.5%. The vital statistics based figure for derived net migration is -10,289, compared to a model-based estimate of -9,619, amounting to a difference of 6.5%.

**TABLE 3: AGE-SPECIFIC MIGRATION SUMMARIZED
PUEBLO COUNTY, 1980-1990**

Both Sexes

AGE IN 1980	AGE IN 1990	1980	Survival Rates*	1990 Expected	1990 Actual	Difference due to Migration	Migrants as % of Total 1990 Pop.
Born 4/1/85-4/1/90	Under 5 years	8,764	X	8,665	8,542	(123)	-1.4%
Born 4/1/80-4/1/85	5 to 9 years	9,856	X	9,724	9,369	(355)	-3.8%
0 to 4 years	10 to 14 years	9,475	X	9,445	9,172	(273)	-3.0%
5 to 9 years	15 to 19 years	9,769	X	9,732	9,015	(717)	-8.0%
10 to 14 years	20 to 24 years	10,308	X	10,230	7,722	(2,508)	-32.5%
15 to 19 years	25 to 29 years	12,088	X	11,962	8,660	(3,302)	-38.1%
20 to 24 years	30 to 34 years	11,226	X	11,097	9,627	(1,470)	-15.3%
25 to 29 years	35 to 39 years	10,369	X	10,228	9,433	(795)	-8.4%
30 to 34 years	40 to 44 years	9,180	X	9,015	8,523	(492)	-5.8%
35 to 39 years	45 to 49 years	6,902	X	6,722	6,343	(379)	-6.0%
40 to 44 years	50 to 54 years	6,166	X	5,917	5,700	(217)	-3.8%
45 to 49 years	55 to 59 years	6,292	X	5,887	5,905	18	0.3%
50 to 54 years	60 to 64 years	6,956	X	6,266	6,363	97	1.5%
55 to 59 years	65 to 69 years	6,796	X	5,795	6,006	211	3.5%
60 to 64 years	70 to 74 years	5,876	X	4,623	4,782	159	3.3%
65 to 69 years	75 to 79 years	5,185	X	3,599	3,776	177	4.7%
70 to 74 years	80 to 84 years	3,879	X	2,218	2,334	116	5.0%
75 +	85 +	5,505	X	1,543	1,779	236	13.3%
	BOTH SEXES	125,972		132,670	123,051	(9,619)	-7.8%

*See Appendix 3

**FIG. 3: POPULATION AND NET MIGRATION BY AGE
CLASS: PUEBLO COUNTY, CO., 1980-1990**

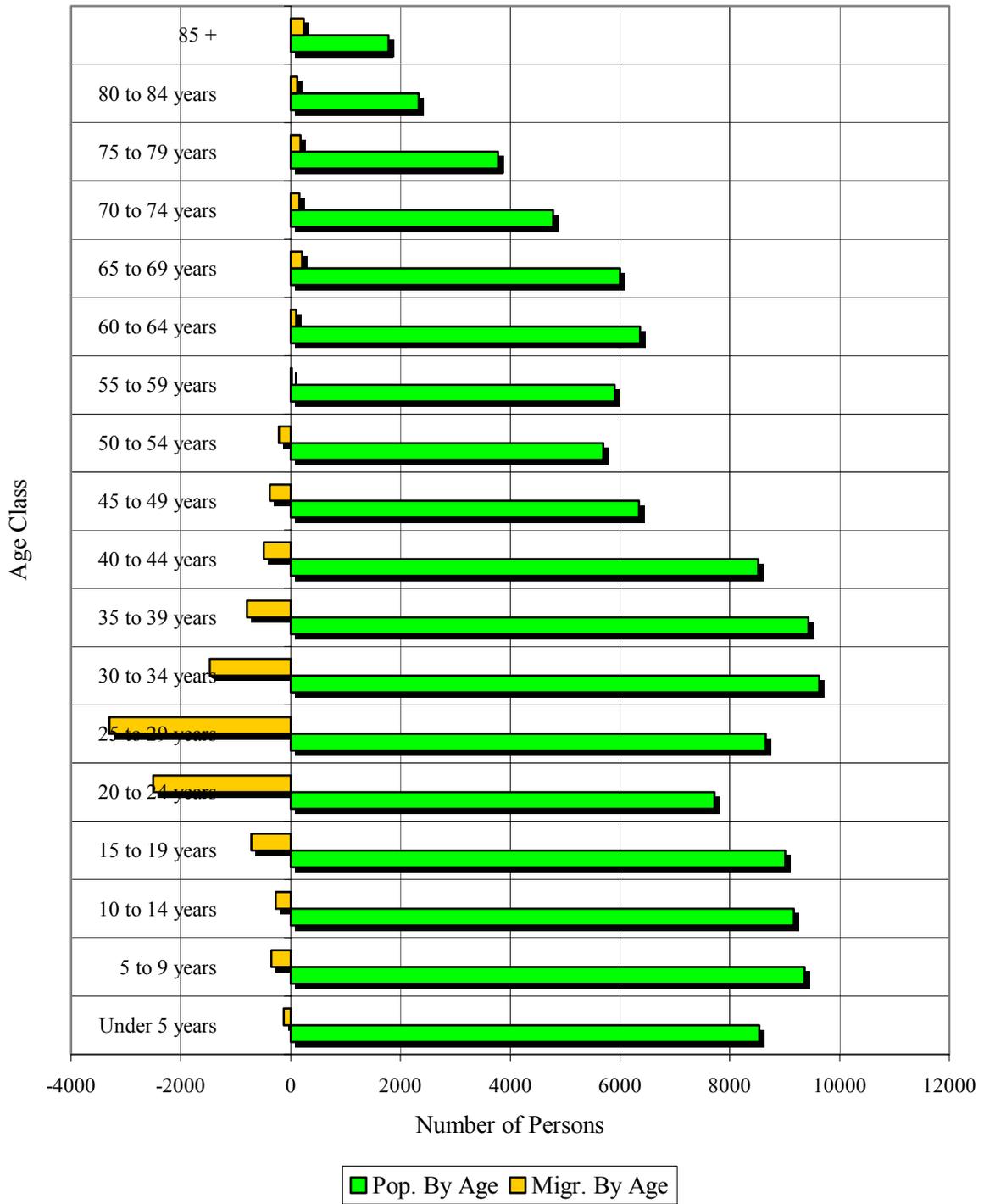
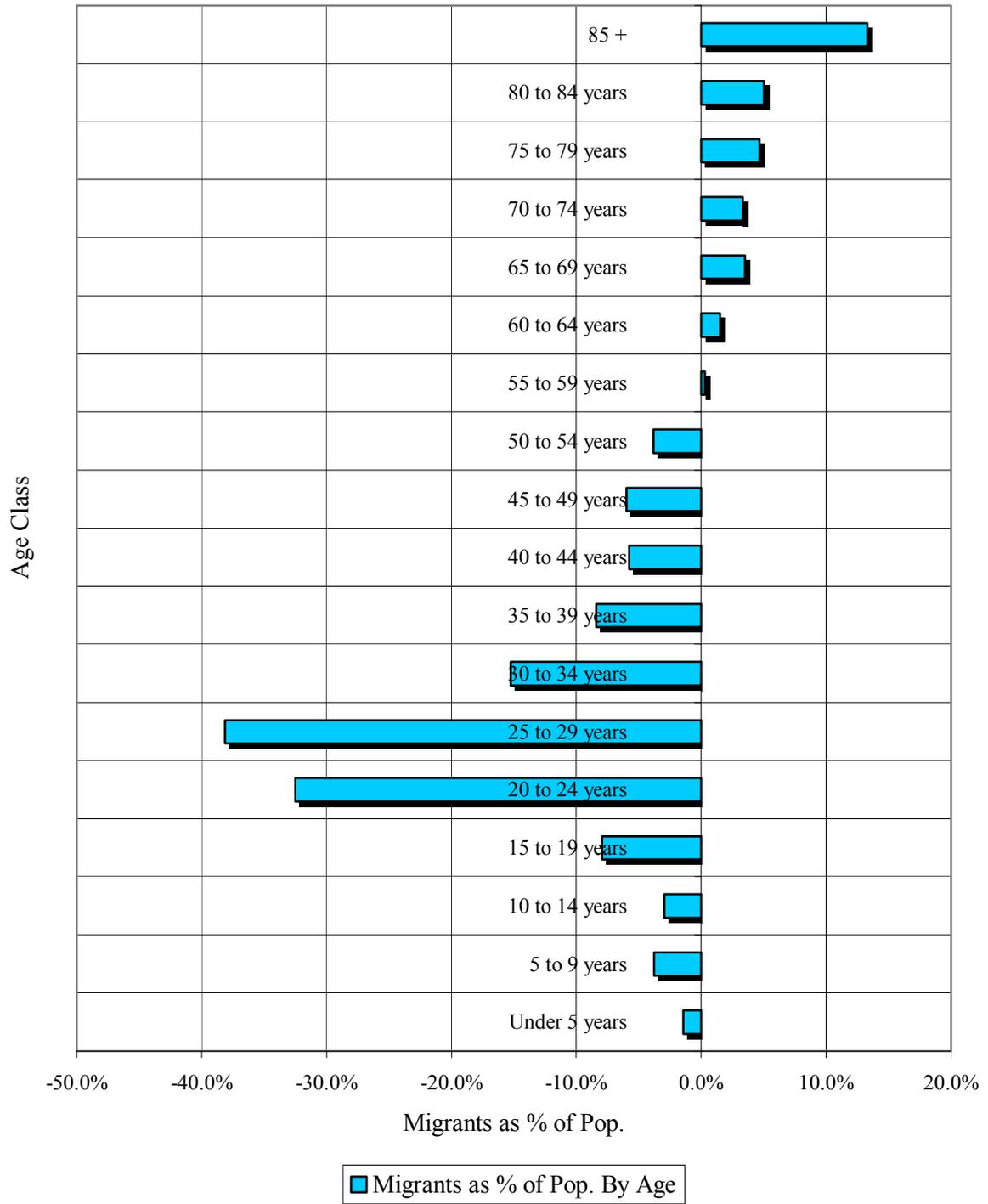


FIG. 4: AGE-SPECIFIC MIGRANT COMPONENT AS % OF TOTAL POPULATION, 1980-1990



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Appendices:

**APP. 1: AGE-SPECIFIC MIGRATION
PUEBLO COUNTY, 1990-2000**

Male

AGE IN 1990	AGE IN 2000	1990	Survival Rates	2000 Expected	2000 Actual	Difference due to Migration	Migrants as % of Total 2000 Pop.
Born 4/1/95-4/1/00	Under 5 years	4,665	0.991428	4,625	4,870	245	5.0%
Born 4/1/90-4/1/95	5 to 9 years	4,562	0.98972	4,515	5,294	779	14.7%
0 to 4 years	10 to 14 years	4,330	0.9972585	4,318	5,171	853	16.5%
5 to 9 years	15 to 19 years	4,764	0.9956149	4,743	5,616	873	15.5%
10 to 14 years	20 to 24 years	4,699	0.9899162	4,652	4,554	(98)	-2.1%
15 to 19 years	25 to 29 years	4,525	0.9855426	4,460	4,340	(120)	-2.8%
20 to 24 years	30 to 34 years	3,854	0.9835564	3,791	4,470	679	15.2%
25 to 29 years	35 to 39 years	4,221	0.9802499	4,138	5,068	930	18.4%
30 to 34 years	40 to 44 years	4,698	0.9743623	4,578	5,232	654	12.5%
35 to 39 years	45 to 49 years	4,686	0.965595	4,525	5,012	487	9.7%
40 to 44 years	50 to 54 years	4,286	0.9518042	4,079	4,474	395	8.8%
45 to 49 years	55 to 59 years	3,198	0.929317	2,972	3,222	250	7.8%
50 to 54 years	60 to 64 years	2,674	0.8924997	2,387	2,785	398	14.3%
55 to 59 years	65 to 69 years	2,774	0.8376081	2,324	2,662	338	12.7%
60 to 64 years	70 to 74 years	2,995	0.762883	2,285	2,564	279	10.9%
65 to 69 years	75 to 79 years	2,772	0.6639404	1,840	1,964	124	6.3%
70 to 74 years	80 to 84 years	2,074	0.5346595	1,109	1,153	44	3.8%
75+	85+	2,965	0.2508077	744	785	41	5.3%
	MALE--TOTAL	59,515		62,081	69,236	7,155	10.3%

Female

Born 4/1/95-4/1/00	Under 5 years	4,458	0.992956	4,427	4,667	240	5.2%
Born 4/1/90-4/1/95	5 to 9 years	4,297	0.991624	4,261	4,982	721	14.5%
0 to 4 years	10 to 14 years	4,212	0.9978811	4,203	5,023	820	16.3%
5 to 9 years	15 to 19 years	4,605	0.9976644	4,594	5,133	539	10.5%
10 to 14 years	20 to 24 years	4,473	0.9960882	4,456	4,559	103	2.3%
15 to 19 years	25 to 29 years	4,490	0.9948934	4,467	4,234	(233)	-5.5%
20 to 24 years	30 to 34 years	3,868	0.9936128	3,843	4,472	629	14.1%
25 to 29 years	35 to 39 years	4,439	0.9913031	4,400	5,170	770	14.9%
30 to 34 years	40 to 44 years	4,929	0.9877411	4,869	5,460	591	10.8%
35 to 39 years	45 to 49 years	4,747	0.9823695	4,663	5,208	545	10.5%
40 to 44 years	50 to 54 years	4,237	0.9733567	4,124	4,401	277	6.3%
45 to 49 years	55 to 59 years	3,145	0.9585099	3,015	3,444	429	12.5%
50 to 54 years	60 to 64 years	3,026	0.9350623	2,829	3,155	326	10.3%
55 to 59 years	65 to 69 years	3,131	0.900153	2,818	3,063	245	8.0%
60 to 64 years	70 to 74 years	3,368	0.8502114	2,864	3,017	153	5.1%
65 to 69 years	75 to 79 years	3,234	0.7771761	2,513	2,584	71	2.7%
70 to 74 years	80 to 84 years	2,708	0.6677918	1,808	1,848	40	2.1%
75 +	85 +	4,924	0.3177733	1,565	1,816	251	13.8%
	FEMALE--TOTAL	63,536		65,719	72,236	6,517	9.0%

**APP. 2: RESIDENT BIRTHS, DEATHS, NATURAL INCREASE & NET MIGRATION
PUEBLO COUNTY, 1990-2000**

MALE

Year	Births	Births, 4/1/90-4/1/95	Births, 4/1/95-4/1/00	Deaths	Deaths, 4/1/90-4/1/95	Deaths 4/1/95-4/1/00	Natural Increase, 4/1/90-4/1/95	Natural Increase, 4/1/95-4/1/00
1990	920	690	0	622	467	0	224	0
1991	927	927	0	646	646	0	281	0
1992	915	915	0	648	648	0	267	0
1993	891	891	0	599	599	0	292	0
1994	911	911	0	687	687	0	224	0
1995	910	228	683	654	164	491	64	192
1996	862	0	862	695	0	695	0	167
1997	877	0	877	696	0	696	0	181
1998	985	0	985	670	0	670	0	315
1999	1,016	0	1,016	691	0	691	0	325
2000	968	0	242	699	0	175	0	67
TOTAL	10,182	4,562	4,665	7,307	3,210	3,417	1,352	1,247

FEMALE

1990	852	639	0	597	448	0	191	0
1991	858	858	0	609	609	0	249	0
1992	856	856	0	561	561	0	295	0
1993	881	881	0	625	625	0	256	0
1994	852	852	0	582	582	0	270	0
1995	843	211	632	659	165	494	46	138
1996	841	0	841	605	0	605	0	236
1997	899	0	899	671	0	671	0	228
1998	922	0	922	677	0	677	0	245
1999	920	0	920	707	0	707	0	213
2000	975	0	244	685	0	171	0	73
TOTAL	9,699	4,297	4,458	6,978	2,990	3,326	1,307	1,133

BOTH SEXES

1990	1,772	1,329	0	1,219	914	0	415	0
1991	1,785	1,785	0	1,255	1,255	0	530	0
1992	1,771	1,771	0	1,209	1,209	0	562	0
1993	1,772	1,772	0	1,224	1,224	0	548	0
1994	1,763	1,763	0	1,269	1,269	0	494	0
1995	1,753	438	1,315	1,313	328	985	110	330
1996	1,703	0	1,703	1,300	0	1,300	0	403
1997	1,776	0	1,776	1,367	0	1,367	0	409
1998	1,907	0	1,907	1,347	0	1,347	0	560
1999	1,936	0	1,936	1,398	0	1,398	0	538
2000	1,943	0	486	1,384	0	346	0	140
TOTAL	19,881	8,858	9,123	14,285	6,200	6,743	2,659	2,380

Population, 4/1/90	Natural Increase, 4/1/90-4/1/00	Expected Pop., 4/1/2000	Actual Pop., 4/1/2000	Implied Net Migration, 4/1/90-4/1/00
123,051	5,039	128,090	141,472	13,383

**APP. 3: AGE-SPECIFIC MIGRATION
PUEBLO COUNTY, 1980-1990**

Male

AGE IN 1980	AGE IN 1990	1980	Survival Rates	1990 Expected	1990 Actual	Difference due to Migration	Migrants as % of Total 1990 Pop.
Born 4/1/95-4/1/00	Under 5 years	4,416	0.987316	4,360	4,330	(30)	-0.7%
Born 4/1/90-4/1/95	5 to 9 years	5,057	0.985004	4,981	4,764	(217)	-4.5%
0 to 4 years	10 to 14 years	4,840	0.9964024	4,823	4,699	(124)	-2.6%
5 to 9 years	15 to 19 years	4,915	0.9951066	4,891	4,525	(366)	-8.1%
10 to 14 years	20 to 24 years	5,217	0.9892271	5,161	3,854	(1,307)	-33.9%
15 to 19 years	25 to 29 years	6,060	0.9844988	5,966	4,221	(1,745)	-41.3%
20 to 24 years	30 to 34 years	5,468	0.9828888	5,374	4,698	(676)	-14.4%
25 to 29 years	35 to 39 years	5,209	0.9809407	5,110	4,686	(424)	-9.0%
30 to 34 years	40 to 44 years	4,712	0.9758895	4,598	4,286	(312)	-7.3%
35 to 39 years	45 to 49 years	3,390	0.965825	3,274	3,198	(76)	-2.4%
40 to 44 years	50 to 54 years	2,909	0.9473803	2,756	2,674	(82)	-3.1%
45 to 49 years	55 to 59 years	3,047	0.9168059	2,794	2,774	(20)	-0.7%
50 to 54 years	60 to 64 years	3,355	0.8714829	2,924	2,995	71	2.4%
55 to 59 years	65 to 69 years	3,239	0.8097038	2,623	2,772	149	5.4%
60 to 64 years	70 to 74 years	2,746	0.72597	1,994	2,074	80	3.9%
65 to 69 years	75 to 79 years	2,407	0.6140855	1,478	1,559	81	5.2%
70 to 74 years	80 to 84 years	1,704	0.4759889	811	877	66	7.5%
75+	85+	2,066	0.2262184	467	529	62	11.7%
	MALE--TOTAL	61,284		64,383	59,515	(4,868)	-8.2%

Female

Born 4/1/95-4/1/00	Under 5 years	4,348	0.99009	4,305	4,212	(93)	-2.2%
Born 4/1/90-4/1/95	5 to 9 years	4,800	0.988348	4,744	4,605	(139)	-3.0%
0 to 4 years	10 to 14 years	4,635	0.9973215	4,623	4,473	(150)	-3.3%
5 to 9 years	15 to 19 years	4,854	0.9974199	4,841	4,490	(351)	-7.8%
10 to 14 years	20 to 24 years	5,091	0.9958134	5,070	3,868	(1,202)	-31.1%
15 to 19 years	25 to 29 years	6,028	0.9946663	5,996	4,439	(1,557)	-35.1%
20 to 24 years	30 to 34 years	5,758	0.9937964	5,722	4,929	(793)	-16.1%
25 to 29 years	35 to 39 years	5,160	0.991984	5,119	4,747	(372)	-7.8%
30 to 34 years	40 to 44 years	4,468	0.9884241	4,416	4,237	(179)	-4.2%
35 to 39 years	45 to 49 years	3,512	0.9818707	3,448	3,145	(303)	-9.6%
40 to 44 years	50 to 54 years	3,257	0.9706655	3,161	3,026	(135)	-4.5%
45 to 49 years	55 to 59 years	3,245	0.9534347	3,094	3,131	37	1.2%
50 to 54 years	60 to 64 years	3,601	0.9281303	3,342	3,368	26	0.8%
55 to 59 years	65 to 69 years	3,557	0.8918682	3,172	3,234	62	1.9%
60 to 64 years	70 to 74 years	3,130	0.8401243	2,630	2,708	78	2.9%
65 to 69 years	75 to 79 years	2,778	0.763508	2,121	2,217	96	4.3%
70 to 74 years	80 to 84 years	2,175	0.6466345	1,406	1,457	51	3.5%
75 +	85 +	3,439	0.3126392	1,075	1,250	175	14.0%
	0 FEMALE--TOTAL	64,688		68,286	63,536	(4,750)	-7.5%

**APP.4: RESIDENT BIRTHS, DEATHS, NATURAL INCREASE & NET MIGRATION
PUEBLO COUNTY, 1980-1990**

MALE

Year	Births	Births, 4/1/90-4/1/95	Births, 4/1/95-4/1/00	Deaths	Deaths, 4/1/90-4/1/95	Deaths 4/1/95-4/1/00	Natural Increase, 4/1/90-4/1/95	Natural Increase, 4/1/95-4/1/00
1980	1,075	806	0	566	425	0	382	0
1981*	986	986	0	537	537	0	449	0
1982	1,081	1,081	0	625	625	0	456	0
1983	983	983	0	538	538	0	445	0
1984	967	967	0	609	609	0	358	0
1985	933	233	700	606	152	455	82	245
1986	895	0	895	607	0	607	0	288
1987	886	0	886	651	0	651	0	235
1988	865	0	865	659	0	659	0	206
1989	840	0	840	628	0	628	0	212
1990	920	0	230	622	0	156	0	75
TOTAL	10,431	5,057	4,416	6,648	2,885	3,155	2,172	1,261

FEMALE

1980	1,020	765	0	539	404	0	361	0
1981*	942	942	0	512	512	0	430	0
1982	963	963	0	456	456	0	507	0
1983	964	964	0	524	524	0	440	0
1984	938	938	0	509	509	0	429	0
1985	911	228	683	521	130	391	98	293
1986	886	0	886	519	0	519	0	367
1987	894	0	894	554	0	554	0	340
1988	887	0	887	533	0	533	0	354
1989	785	0	785	531	0	531	0	254
1990	852	0	213	597	0	149	0	64
TOTAL	10,042	4,800	4,348	5,795	2,536	2,677	2,264	1,671

BOTH SEXES

1980	2,095	1,571	0	1,105	829	0	743	0
1981	1,928	1,928	0	1,049	1,049	0	879	0
1982	2,044	2,044	0	1,081	1,081	0	963	0
1983	1,947	1,947	0	1,062	1,062	0	885	0
1984	1,905	1,905	0	1,118	1,118	0	787	0
1985	1,844	461	1,383	1,127	282	845	179	538
1986	1,781	0	1,781	1,126	0	1,126	0	655
1987	1,780	0	1,780	1,205	0	1,205	0	575
1988	1,752	0	1,752	1,192	0	1,192	0	560
1989	1,625	0	1,625	1,159	0	1,159	0	466
1990	1,772	0	443	1,219	0	305	0	138
TOTAL	20,473	9,856	8,764	12,443	5,421	5,832	4,436	2,932

*Deaths by sex for this year are estimate based on proportion by sex for prior year.

Population, 4/1/80	Natural Increase, 4/1/90-4/1/90	Expected Pop., 4/1/1990	Actual Pop., 4/1/1990	Implied Net Migration, 4/1/80-4/1/90
125,972	7,368	133,340	123,051	-10,289