



# STATE OF CONNECTICUT

## DEPARTMENT OF PUBLIC HEALTH

Office of Health Care Quality

Keeping Connecticut Healthy

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### ESTIMATED POPULATIONS IN CONNECTICUT AS OF JULY 1, 2001

Population estimates for July 1, 2001, for Connecticut's eight counties and 169 towns were prepared for distribution by the Connecticut Department of Public Health, Office of Health Care Quality. The 2001 estimates are consistent with the estimation method adopted in 1997<sup>(1)</sup> and include the enhancements described below. These estimates constitute the basis of birth, death, and other population-based rates for 2001 and forward.

#### Method of Estimation

Each town-level estimate represents the sum of four components: 1) the July 1, 2000, population; 2) changes in group quarters; 3) the natural increase in population; and 4) estimated non-group-quarters net migration. Each of these components is described below.

- 1) The July 1, 2000, population is simply the sum of the April 1, 2000, Census, estimate, and births less deaths during the intervening three months.<sup>(2)</sup> These figures have been modified to include three recent corrections to the April 1, 2000, Census, figures which affected seven Connecticut towns.<sup>(3)</sup>
- 2) *Group quarters* refers to institutional residences or domiciles that house special segments of the population (e.g., nursing homes, colleges, and prisons). The estimated change in the institutional group quarters population is the difference between the population of constituent institutions as of July 1, 2000, and July 1, 2001, or, in the case of colleges and nursing homes, the difference between the 2000 and 2001 fall residential counts. The institutional group quarters enumerated in 2001 was expanded considerably over prior years. The number of institutions including universities, prisons and nursing homes now includes 349 facilities.
- 3) The *natural increase in population* is the number of births minus the number of deaths. Birth and death data are collected by the Vital Records Section of the Connecticut Department of Public Health. The annual natural increase is calculated for the 12-month period preceding the estimate date. The 2001 population estimates use preliminary birth and death data from the first half of 2001 and final figures from the second half of 2000.
- 4) *Net migration* is the difference between migrants moving into a town and migrants leaving a town during the 12 months preceding July 1, 2001. The net migration is calculated differently for four age cohorts, 0-4, 5-14, 15-54 and 55+ years. Net migration estimates for ages 0-4 and 55+ are based on historical net migration patterns of household populations for each town. The 2001 net migration for ages 5-14 is calculated from changes in public and private school enrollment among children in grades K-8, and the estimated enrollment in grade 9.<sup>(4)</sup> The 2001 estimates use enrollment figures from October 1, 2000, and October 1, 2001. The net migration for non-group quarters population ages 15-54 is calculated based on the assumption that the age-specific net migration is proportional to the size of the 2000 population for ages 5-14 and 15-54. This also means that the *net migration ratio* is assumed to be equal to the *2000 population ratio* for these age groups. This relationship is defined by the formula  $a/b = c/d$ , as shown below. The *net migration for ages 15-54* is element (a) of this equation. It is calculated using the known values of elements (b), (c) and (d).

**2000 - 2001 Net Migration Ratio:**

**2000 Population Ratio:**

$$\frac{\begin{matrix} \text{(a) Net Migration Ages 15-54} \\ \text{(b) Net Migration Ages 5-14} \end{matrix}}{\quad} = \frac{\begin{matrix} \text{(c) Household Pop. Ages 15-54} \\ \text{(d) Household Pop. Ages 5-14} \end{matrix}}{\quad}$$

Finally, the calculated town estimates were adjusted so that the subtotals by county match the 2001 county estimates provided by the U.S. Bureau of the Census.<sup>(5)</sup> This ensures that the town estimates sum to the 2001 census estimates for counties and the state.

### 2001 Population Estimates

The 2001 population estimate for the state of Connecticut compared to the 2000 U.S. Census population count is shown below. The 2001 estimate was 19,509 higher than the April 1, 2000 Census figure of 3,405,565. Population estimates for Connecticut's counties and towns are given in the attached table.

#### ESTIMATED POPULATION OF CONNECTICUT AS OF JULY 1, 2001

Estimated Population	Change in Population, 2000-2001 <sup>(6)</sup>	
	Number	Percent
3,425,074	19,509	0.6%

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*These estimates are also available at: <http://www.state.ct.us/dph/OPPE/popest.htm>*

#### Notes:

- (1) *Estimated Populations in Connecticut as of July 1, 1997.* Hartford: Connecticut Department of Public Health, Office of Policy, Planning, and Evaluation, September 1998.
- (2) *Estimated Populations in Connecticut as of July 1, 2000.* Hartford: Connecticut Department of Public Health, Office of Policy, Planning, and Evaluation, September 2001.
- (3) The following corrections to the April 1, 2000 Census figures have been included in the base figure used for the 2001 estimates. All of these changes were related to the allocation of non-institutional group quarters facilities, *e.g.* students in university dormitories. Only the Hartford-West Hartford correction was reported and certified prior to the calculation of the Connecticut DPH July 1, 2000 estimates. The two most recent corrections were reported by the Census Bureau on September 23, 2002. The final certification of these corrections will confirm the magnitude of the population affected. In each case we are confident that the whole non-institutional GQ population in each census tract block is affected. The corrections to the April 1, 2000 Census incorporated in these estimates are:
  - a) 2,543 of the 4/1/2000 population were moved from West Hartford to Hartford
  - b) 36 of the 4/1/2000 population were moved from Coventry to Mansfield  
61 of the 4/1/2000 population were moved from Tolland to Mansfield
  - c) 2,396 of the 4/1/2000 population were moved from East Hampton to Middletown
- (4) Two modifications were made to increase the accuracy of population migration estimated from the reported school enrollment figures. An adjustment factor was derived to correct for small differences between the 5-14 year old population in 2000 and the corresponding fall 2000 K-9 school enrollment figures in each town. Due to variations in 9<sup>th</sup> grade retention rates by town, we chose to estimate the grade-9 enrollments by using the grade-8 enrollment figures from the prior year.
- (5) *Table CO-EST2001-04-09 - Connecticut Counties Ranked by Numeric Population Change: April 1, 2000 to July 1, 2001,* Population Division, U.S. Bureau of the Census, Washington, DC 20233. Internet release date April 29, 2002.
- (6) The April 1, 2000 U.S. Census figure of 3,405,565 was used for comparison.

**CONNECTICUT POPULATION ESTIMATES AS OF JULY 1, 2001**  
**BY COUNTY AND TOWN**  
(State Total = 3,425,074)

<b>County</b>	<b>Est. Pop.</b>	<b>County</b>	<b>Est. Pop.</b>
Fairfield	885,368	New Haven	828,374
Hartford	861,152	New London	259,065
Litchfield	184,460	Tolland	138,914
Middlesex	157,579	Windham	110,162

<b>Town</b>	<b>Est. Pop.</b>	<b>Town</b>	<b>Est. Pop.</b>	<b>Town</b>	<b>Est. Pop.</b>	<b>Town</b>	<b>Est. Pop.</b>
Andover	3,179	East Haven	27,969	Monroe	19,450	Sherman	3,832
Ansonia	18,950	East Lyme	17,694	Montville	19,076	Simsbury	23,740
Ashford	4,332	East Windsor	9,958	Morris	2,350	Somers	10,502
Avon	16,323	Eastford	1,532	Naugatuck	31,048	South Windsor	24,773
Barkhamsted	3,585	Easton	7,480	New Britain	71,665	Southbury	18,471
Beacon Falls	5,578	Ellington	13,145	New Canaan	19,882	Southington	40,227
Berlin	18,281	Enfield	44,987	New Fairfield	14,338	Sprague	2,799
Bethany	5,066	Essex	6,539	New Hartford	6,202	Stafford	11,419
Bethel	18,052	Fairfield	58,049	New Haven	124,988	Stamford	117,267
Bethlehem	3,476	Farmington	23,969	New London	25,653	Sterling	3,224
Bloomfield	19,134	Franklin	1,878	New Milford	27,704	Stonington	17,767
Bolton	5,140	Glastonbury	32,985	Newington	29,349	Stratford	49,326
Bozrah	2,401	Goshen	2,730	Newtown	25,355	Suffield	13,990
Branford	28,444	Granby	10,721	Norfolk	1,781	Thomaston	7,538
Bridgeport	138,216	Greenwich	61,606	North Branford	13,849	Thompson	8,958
Bridgewater	1,849	Griswold	10,758	North Canaan	3,221	Tolland	13,788
Bristol	60,026	Groton	39,224	North Haven	23,573	Torrington	35,434
Brookfield	15,916	Guilford	21,782	North Stonington	5,048	Trumbull	34,547
Brooklyn	7,333	Haddam	7,313	Norwalk	82,617	Union	713
Burlington	8,352	Hamden	56,388	Norwich	36,268	Vernon	27,861
Canaan	1,090	Hampton	1,681	Old Lyme	7,480	Voluntown	2,436
Canterbury	4,762	Hartford	123,850	Old Saybrook	10,517	Wallingford	43,100
Canton	9,162	Hartland	1,993	Orange	13,472	Warren	1,291
Chaplin	2,368	Harwinton	5,392	Oxford	10,173	Washington	3,645
Cheshire	28,848	Hebron	9,025	Plainfield	14,705	Waterbury	109,019
Chester	3,968	Kent	2,907	Plainville	17,335	Waterford	19,139
Clinton	13,300	Killingly	16,357	Plymouth	11,717	Watertown	21,915
Colchester	14,733	Killingworth	6,278	Pomfret	3,836	West Hartford	61,578
Colebrook	1,476	Lebanon	6,874	Portland	9,293	West Haven	52,212
Columbia	5,080	Ledyard	14,993	Preston	4,744	Westbrook	6,390
Cornwall	1,412	Lisbon	4,174	Prospect	9,036	Weston	10,199
Coventry	11,676	Litchfield	8,374	Putnam	9,159	Westport	26,514
Cromwell	13,080	Lyme	2,046	Redding	8,436	Wethersfield	26,262
Danbury	74,550	Madison	18,280	Ridgefield	24,232	Willington	6,071
Darien	20,049	Manchester	54,680	Rocky Hill	17,683	Wilton	17,999
Deep River	4,466	Mansfield	21,315	Roxbury	2,200	Winchester	11,140
Derby	12,599	Marlborough	5,865	Salem	3,880	Windham	23,010
Durham	6,703	Meriden	56,451	Salisbury	3,769	Windsor	27,731
East Granby	4,880	Middlebury	6,613	Scotland	1,601	Windsor Locks	11,919
East Haddam	8,417	Middlefield	4,322	Seymour	15,498	Wolcott	15,703
East Hampton	11,381	Middletown	45,612	Sharon	2,914	Woodbridge	9,060
East Hartford	49,734	Milford	52,204	Shelton	37,456	Woodbury	9,348
						Woodstock	7,304