

Connecticut 1999-2001 Age-adjusted Mortality Rates:
Town – State Comparisons for the Ten Leading Causes of Death

December, 2008

HCQSAR Unit, HISR Section, Planning Branch

Connecticut Department of Public Health

Lloyd Mueller, Karyn Backus, Federico Amadeo

Information for readers –

Please refer to our “*Guide to AAMR State-Town Comparisons*” for information about the methods used to develop this series of comparison tables and maps, and other similar documents. This document includes information critical to understanding the contents of these analyses, and it has been posted on the Connecticut DPH web site at -

<http://www.ct.gov/dph/cwp/view.asp?a=3132&q=397432>

The ten Leading Causes of Death selected for these analyses are based on the 2006 ranking of Connecticut resident deaths.

Acknowledgements –

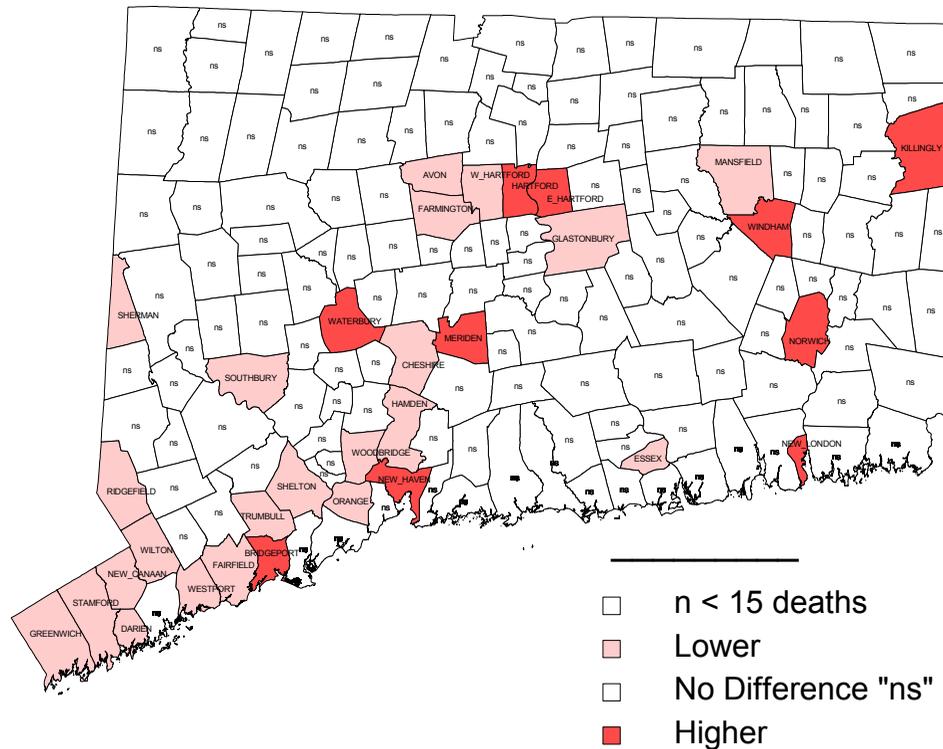
This work would not have been possible without the essential contribution of the Connecticut Vital Records staff that collect and manage the Vital Records data (including death records), and the continuing support of the Information Technology staff that maintain the death record database. Also, we are very grateful for the contribution of Heping Li (Research Analyst; CT WCC) for her extensive and creative programming work in support of our mortality analysis system. Efficient SAS and Visual Basic programming have made it far easier for us to manage the ‘mountains’ of output produced by town-specific analyses, and to increase the quality and accessibility of these important community health indicator statistics.

Suggested Citation: Mueller, Lloyd, Karyn Backus, Federico Amadeo. 2008. *Connecticut 1999-2001 Age-adjusted Mortality Rates: Town – State Comparisons for the Ten Leading Causes of Death*. Hartford, CT: Connecticut Department of Public Health.

All Causes 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 168 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 775.5 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 89,270 deaths for 1999-2001, with the following ICD-10 codes: A00-Y89.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

**Age-adjusted Mortality Rates (AAMRs) By Sex for - All Causes
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 775.5 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Ansonia	589	862.1	59	$p < .050$	n.s.	--
Both	Avon	353	620.1	-88	$p < .005$	***	Lower
Both	Berlin	473	700.8	-50	$p < .050$	n.s.	--
Both	Bethany	78	604.9	-22	$p < .050$	n.s.	--
Both	Branford	821	704.4	-83	$p < .005$	n.s.	--
Both	Bridgeport	3,884	983.3	821	$p < .005$	***	Higher
Both	Brookfield	267	656.6	-48	$p < .005$	n.s.	--
Both	Canaan	42	1,188.2	15	$p < .050$	n.s.	--
Both	Chaplin	56	1,367.9	24	$p < .010$	n.s.	--
Both	Cheshire	646	666.9	-105	$p < .005$	***	Lower
Both	Coventry	235	941.6	41	$p < .010$	n.s.	--
Both	Cromwell	391	672.5	-60	$p < .005$	n.s.	--
Both	Danbury	1,536	730.5	-95	$p < .050$	n.s.	--
Both	Darien	365	622.0	-90	$p < .005$	***	Lower
Both	Derby	442	905.8	64	$p < .005$	n.s.	--
Both	East Hartford	1,644	943.3	292	$p < .005$	***	Higher
Both	Essex	221	601.9	-64	$p < .005$	***	Lower
Both	Fairfield	1,732	707.3	-167	$p < .005$	**	Lower
Both	Farmington	605	652.7	-114	$p < .005$	***	Lower
Both	Glastonbury	629	608.0	-173	$p < .005$	***	Lower
Both	Granby	184	674.8	-27	$p < .050$	n.s.	--
Both	Greenwich	1,504	625.5	-361	$p < .005$	***	Lower
Both	Griswold	289	967.7	57	$p < .005$	n.s.	--
Both	Guilford	475	697.0	-54	$p < .050$	n.s.	--
Both	Hamden	1,730	686.6	-224	$p < .005$	***	Lower
Both	Hartford	3,199	1,058.2	855	$p < .005$	***	Higher
Both	Killingly	507	922.5	81	$p < .005$	*	Higher
Both	Ledyard	251	926.7	41	$p < .050$	n.s.	--
Both	Lyme	47	533.1	-21	$p < .005$	n.s.	--
Both	Mansfield	266	614.6	-70	$p < .005$	***	Lower

**Age-adjusted Mortality Rates (AAMRs) By Sex for - All Causes
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 775.5 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Meriden	1,676	850.2	147	p< .005	**	Higher
Both	Milford	1,505	826.1	92	p< .050	n.s.	--
Both	Naugatuck	777	843.0	62	p< .050	n.s.	--
Both	New Britain	2,199	837.0	162	p< .005	n.s.	--
Both	New Canaan	365	595.6	-110	p< .005	***	Lower
Both	New Fairfield	197	678.3	-28	p< .050	n.s.	--
Both	New Haven	3,216	992.0	702	p< .005	***	Higher
Both	Newington	902	704.5	-91	p< .005	n.s.	--
Both	New London	779	1,011.4	182	p< .005	***	Higher
Both	Norwich	1,130	869.6	122	p< .005	**	Higher
Both	Orange	339	579.8	-114	p< .005	***	Lower
Both	Putnam	357	910.7	53	p< .010	n.s.	--
Both	Redding	122	592.7	-38	p< .005	n.s.	--
Both	Ridgefield	370	589.9	-116	p< .005	***	Lower
Both	Sharon	89	597.5	-27	p< .010	n.s.	--
Both	Shelton	967	678.3	-139	p< .005	***	Lower
Both	Sherman	60	497.7	-33	p< .005	***	Lower
Both	Simsbury	472	685.5	-62	p< .005	n.s.	--
Both	Southbury	801	639.8	-170	p< .005	***	Lower
Both	South Windsor	460	694.4	-54	p< .050	n.s.	--
Both	Stamford	2,694	686.2	-351	p< .005	***	Lower
Both	Stratford	1,817	824.1	107	p< .050	n.s.	--
Both	Suffield	312	655.4	-57	p< .005	n.s.	--
Both	Thompson	259	959.1	50	p< .005	n.s.	--
Both	Trumbull	997	696.4	-113	p< .005	*	Lower
Both	Voluntown	59	1,130.6	19	p< .050	n.s.	--
Both	Wallingford	1,249	723.7	-89	p< .050	n.s.	--
Both	Waterbury	3,491	906.6	505	p< .005	***	Higher
Both	West Hartford	2,210	647.6	-436	p< .005	***	Lower
Both	Weston	115	582.9	-38	p< .005	n.s.	--

**Age-adjusted Mortality Rates (AAMRs) By Sex for - All Causes
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 775.5 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Westport	518	595.5	-157	p< .005	***	Lower
Both	Wethersfield	1,004	699.4	-109	p< .005	n.s.	--
Both	Wilton	344	595.7	-104	p< .005	***	Lower
Both	Windham	705	1,006.7	162	p< .005	***	Higher
Both	Woodbridge	232	615.7	-60	p< .005	**	Lower

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

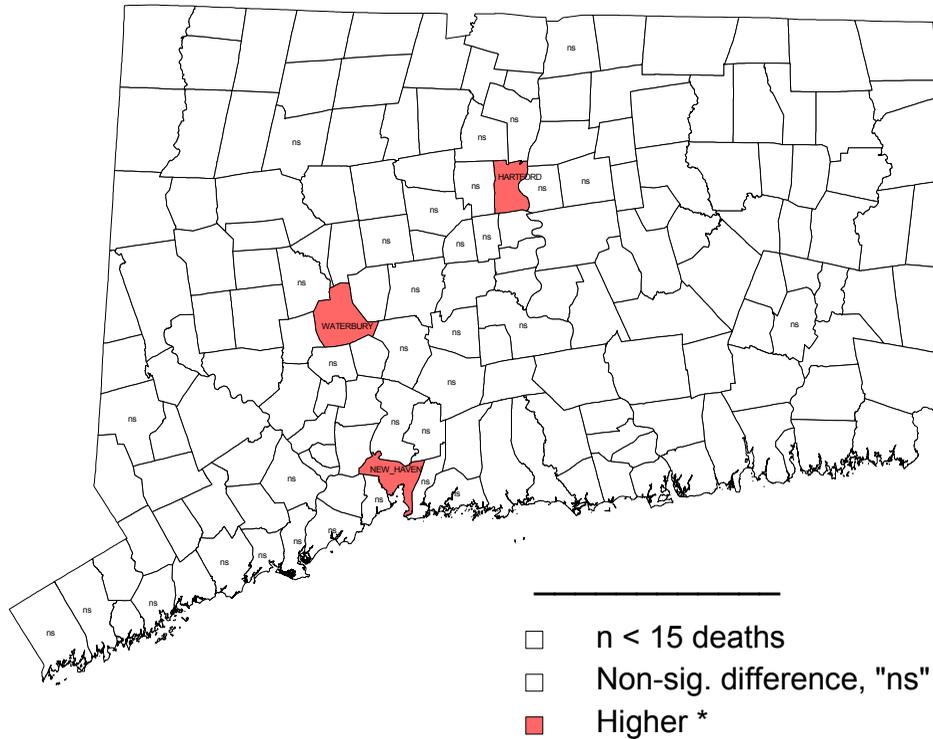
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = p<.10; ** = p<.05; *** = p<.01; ****= p<.005 .

Septicemia 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



Age-adjusted Mortality Rates (AAMRs) By Sex for - Septicemia
1999-2001 Town Death Rates that Differ Significantly from the State Rate
 The Connecticut State Rate= 13.5 per 100,000 population, Sex= Both

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bridgeport	71	18.0	18	p < .050	n.s.	--
Both	Greenwich	22	8.7	-12	p < .010	n.s.	--
Both	Hartford	86	29.1	46	p < .005	***	Higher
Both	New Haven	76	23.8	33	p < .005	***	Higher
Both	Waterbury	89	22.5	35	p < .005	***	Higher

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = p<.10; ** = p<.05; *** = p<.01; ****= p<.005 .

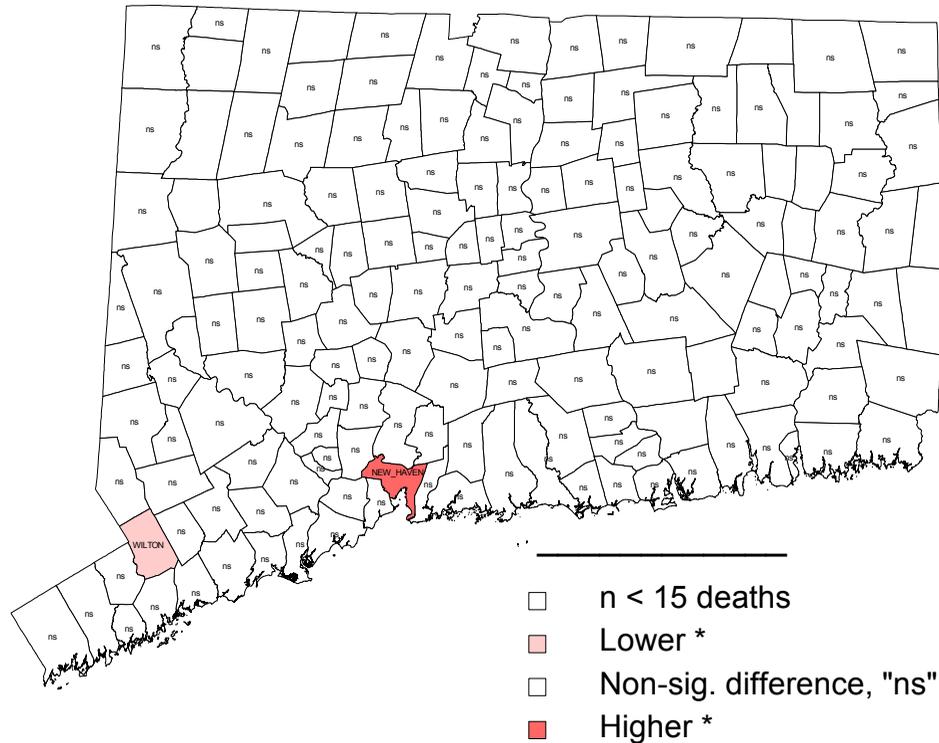
* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 36 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 13.5 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of p<.10 for the towns designated as "higher" or lower." This cause-of-death category includes 1,573 deaths for 1999-2001, with the following ICD-10 codes: A40-41 .

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Malignant Neoplasms 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 152 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 188.0 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 21,125 deaths for 1999-2001, with the following ICD-10 codes: C00-97.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Age-adjusted Mortality Rates (AAMRs) By Sex for - Malignant Neoplasms 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 188.0 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Derby	116	250.7	29	$p < .010$	n.s.	--
Both	East Hartford	378	214.3	46	$p < .050$	n.s.	--
Both	East Windsor	83	241.4	18	$p < .050$	n.s.	--
Both	Enfield	303	214.6	38	$p < .050$	n.s.	--
Both	Essex	42	130.3	-19	$p < .010$	n.s.	--
Both	Fairfield	378	169.6	-41	$p < .050$	n.s.	--
Both	Glastonbury	159	154.5	-35	$p < .010$	n.s.	--
Both	Greenwich	379	162.7	-59	$p < .005$	n.s.	--
Both	Hartford	617	213.5	74	$p < .005$	n.s.	--
Both	Killingly	129	247.7	31	$p < .010$	n.s.	--
Both	Lebanon	46	280.0	15	$p < .050$	n.s.	--
Both	Milford	406	220.5	60	$p < .005$	n.s.	--
Both	New Canaan	95	150.5	-24	$p < .050$	n.s.	--
Both	New Haven	674	220.8	100	$p < .005$	**	Higher
Both	North Branford	117	250.1	29	$p < .010$	n.s.	--
Both	Old Lyme	40	140.3	-14	$p < .050$	n.s.	--
Both	Oxford	57	260.2	16	$p < .050$	n.s.	--
Both	Ridgefield	100	151.9	-24	$p < .050$	n.s.	--
Both	Seymour	123	237.8	26	$p < .050$	n.s.	--
Both	Southbury	170	156.3	-34	$p < .050$	n.s.	--
Both	Stamford	637	166.2	-84	$p < .005$	n.s.	--
Both	Stratford	457	211.9	52	$p < .050$	n.s.	--
Both	Thompson	81	288.7	28	$p < .005$	n.s.	--
Both	Vernon	213	225.6	36	$p < .050$	n.s.	--
Both	Wallingford	258	163.8	-38	$p < .050$	n.s.	--
Both	West Hartford	471	162.4	-74	$p < .005$	n.s.	--
Both	Weston	29	114.3	-19	$p < .005$	n.s.	--
Both	Westport	142	156.4	-29	$p < .050$	n.s.	--
Both	Wilton	73	129.3	-33	$p < .005$	**	Lower

**Age-adjusted Mortality Rates (AAMRs) By Sex for - Malignant Neoplasms
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 188.0 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Windham	152	232.8	29	p< .050	n.s. .	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

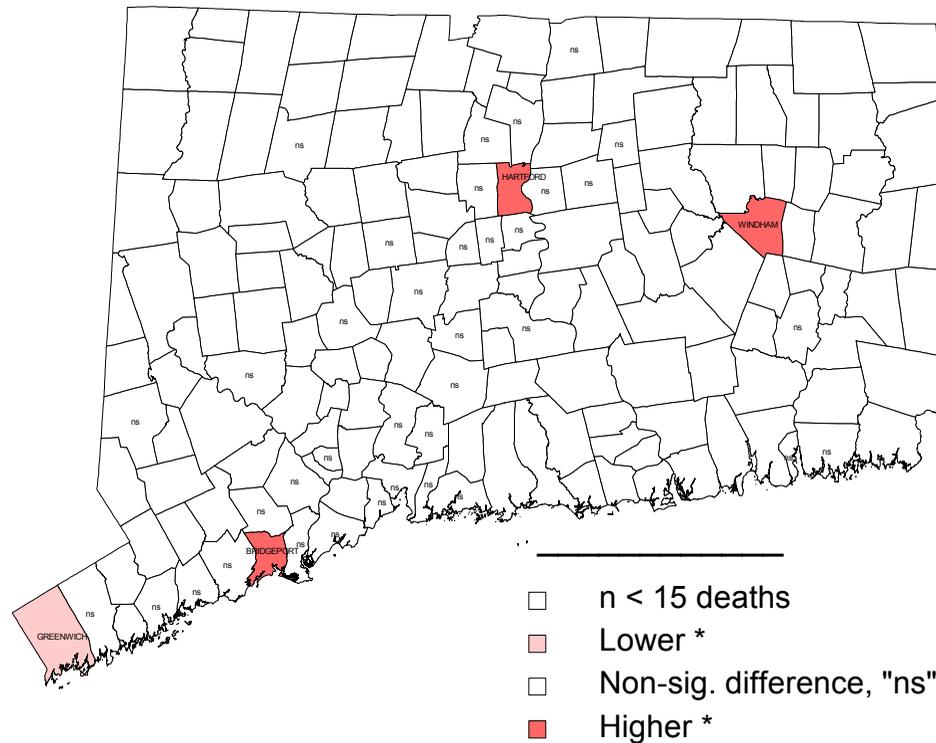
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = p<.10; ** = p<.05; *** = p<.01; ****= p<.005 .

Diabetes Mellitus 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 41 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 18.6 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 2,120 deaths for 1999-2001, with the following ICD-10 codes: E10-14.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Age-adjusted Mortality Rates (AAMRs) By Sex for - Diabetes Mellitus 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 18.6 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bridgeport	139	37.3	70	$p < .005$	***	Higher
Both	Greenwich	24	10.1	-20	$p < .005$	***	Lower
Both	Hartford	92	31.9	38	$p < .005$	***	Higher
Both	Vernon	30	30.7	12	$p < .050$	n.s.	--
Both	West Hartford	37	12.5	-18	$p < .010$	n.s.	--
Both	Wethersfield	18	12.0	-10	$p < .050$	n.s.	--
Both	Windham	29	45.1	17	$p < .005$	*	Higher

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When $O > E$ a (+) excess is reported.

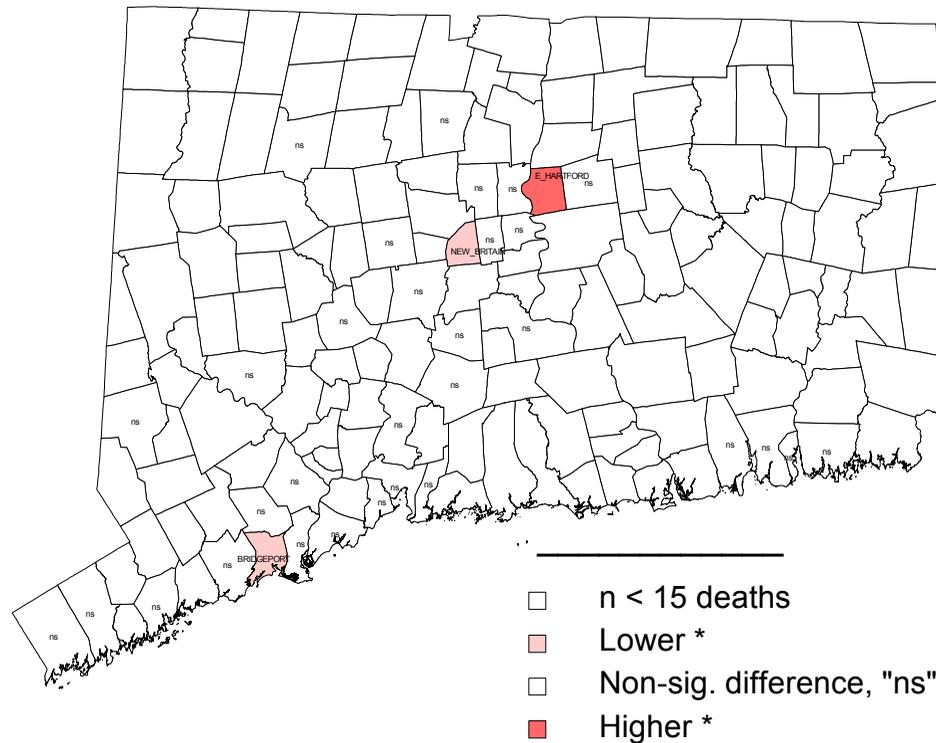
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; ****= $p < .005$.

Alzheimer's Disease 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 34 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 12.6 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 1,544 deaths for 1999-2001, with the following ICD-10 codes: G30.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

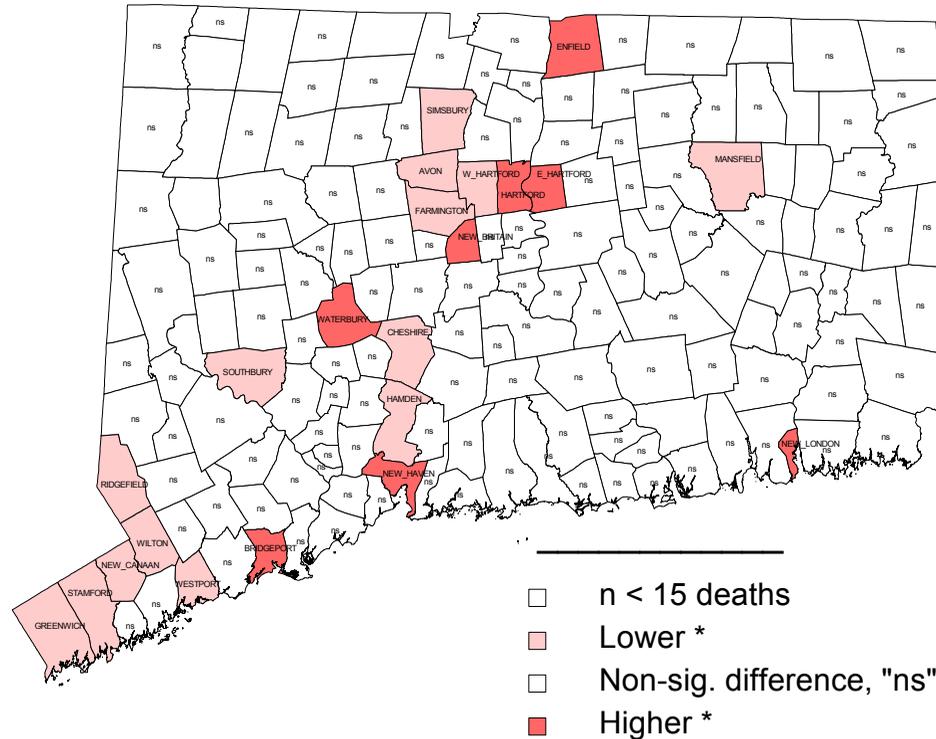
Age-adjusted Mortality Rates (AAMRs) By Sex for - Alzheimer's Disease 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 12.6 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bridgeport	35	8.2	-19	$p < .005$	**	Lower
Both	East Hartford	45	25.1	22	$p < .005$	**	Higher
Both	East Lyme	16	35.5	10	$p < .050$	n.s.	--
Both	Fairfield	49	17.8	14	$p < .050$	n.s.	--
Both	Greenwich	19	7.6	-12	$p < .005$	n.s.	--
Both	Groton	30	22.3	13	$p < .050$	n.s.	--
Both	New Britain	23	7.4	-16	$p < .005$	**	Lower
Both	New London	21	23.4	10	$p < .050$	n.s.	--
Both	Simsbury	17	24.3	8	$p < .050$	n.s.	--
Both	Waterbury	40	8.8	-17	$p < .010$	n.s.	--
Both	Waterford	24	27.3	13	$p < .010$	n.s.	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When $O > E$ a (+) excess is reported.
 ++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.
 KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; ****= $p < .005$.

Diseases of the Heart 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 153 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 226.7 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 26,593 deaths for 1999-2001, with the following ICD-10 codes: I00-09, I11, I13, I20-51.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Age-adjusted Mortality Rates (AAMRs) By Sex for - Diseases of the Heart 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 226.7 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Avon	98	168.8	-34	$p < .005$	*	Lower
Both	Bethany	17	143.7	-10	$p < .050$	n.s.	--
Both	Bethel	77	178.7	-21	$p < .050$	n.s.	--
Both	Branford	236	196.7	-36	$p < .050$	n.s.	--
Both	Bridgeport	1,361	343.2	462	$p < .005$	***	Higher
Both	Canton	47	169.6	-16	$p < .050$	n.s.	--
Both	Cheshire	175	176.2	-50	$p < .005$	**	Lower
Both	Darien	106	180.3	-27	$p < .010$	n.s.	--
Both	Derby	139	279.1	26	$p < .050$	n.s.	--
Both	East Hartford	499	281.2	97	$p < .005$	***	Higher
Both	Enfield	379	284.6	77	$p < .005$	**	Higher
Both	Essex	68	175.2	-20	$p < .050$	n.s.	--
Both	Fairfield	530	204.0	-59	$p < .050$	n.s.	--
Both	Farmington	162	167.0	-58	$p < .005$	***	Lower
Both	Glastonbury	199	189.1	-40	$p < .010$	n.s.	--
Both	Granby	42	162.1	-17	$p < .050$	n.s.	--
Both	Greenwich	481	193.9	-81	$p < .005$	**	Lower
Both	Guilford	122	176.5	-35	$p < .005$	n.s.	--
Both	Hamden	458	171.5	-147	$p < .005$	***	Lower
Both	Hartford	908	308.3	241	$p < .005$	***	Higher
Both	Hebron	20	140.8	-12	$p < .050$	n.s.	--
Both	Ledyard	81	328.4	25	$p < .050$	n.s.	--
Both	Mansfield	68	158.5	-29	$p < .005$	*	Lower
Both	New Britain	722	262.8	99	$p < .005$	**	Higher
Both	New Canaan	106	169.1	-36	$p < .005$	*	Lower
Both	New Haven	859	264.2	122	$p < .005$	***	Higher
Both	Newington	262	199.8	-35	$p < .050$	n.s.	--
Both	New London	236	296.5	56	$p < .005$	*	Higher
Both	Newtown	152	271.8	25	$p < .050$	n.s.	--
Both	North Haven	191	198.0	-28	$p < .050$	n.s.	--
Both	Orange	110	186.7	-24	$p < .050$	n.s.	--

**Age-adjusted Mortality Rates (AAMRs) By Sex for - Diseases of the Heart
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 226.7 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Redding	29	143.5	-17	p< .005	n.s. .	--
Both	Ridgefield	96	154.2	-45	p< .005	***	Lower
Both	Shelton	294	201.6	-37	p< .050	n.s. .	--
Both	Simsbury	117	168.9	-40	p< .005	**	Lower
Both	Southbury	265	182.6	-64	p< .005	*	Lower
Both	Stafford	116	299.4	28	p< .050	n.s. .	--
Both	Stamford	800	199.7	-108	p< .005	**	Lower
Both	Stratford	609	262.4	83	p< .005	n.s. .	--
Both	Thompson	81	306.2	21	p< .050	n.s. .	--
Both	Waterbury	1,028	258.0	125	p< .005	**	Higher
Both	Waterford	161	188.5	-33	p< .050	n.s. .	--
Both	West Hartford	681	186.3	-148	p< .005	***	Lower
Both	Weston	28	147.7	-15	p< .010	n.s. .	--
Both	Westport	135	155.4	-62	p< .005	***	Lower
Both	Wilton	97	157.2	-43	p< .005	***	Lower
Both	Woodbridge	73	179.8	-19	p< .050	n.s. .	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

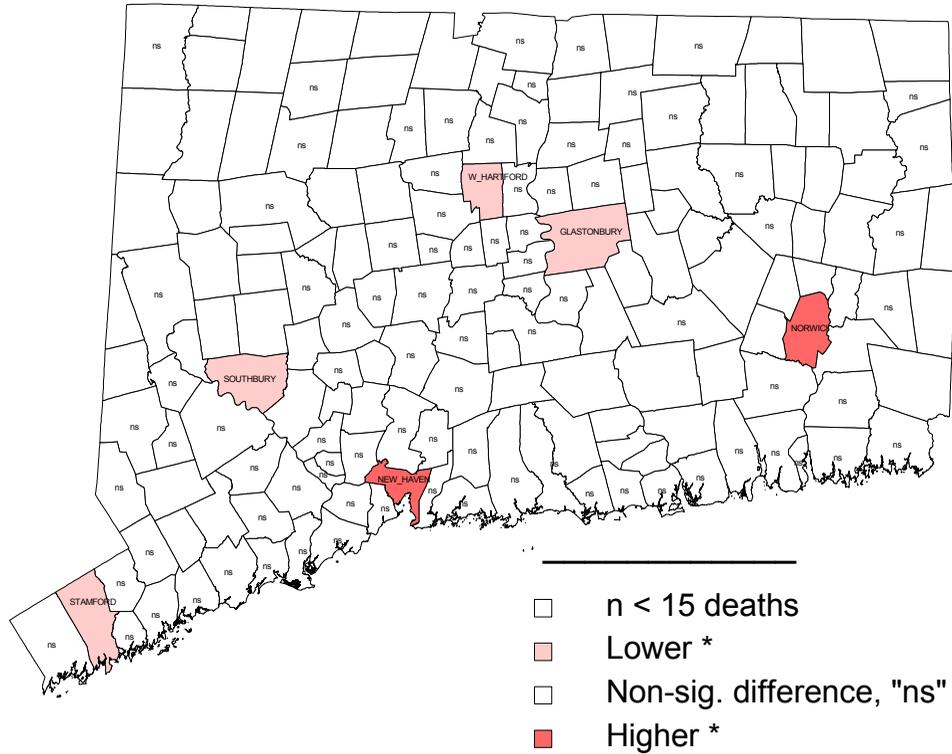
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = p<.10; ** = p<.05; *** = p<.01; ****= p<.005 .

Cerebrovascular Disease 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 95 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 49.7 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower. This cause-of-death category includes 5,928 deaths for 1999-2001, with the following ICD-10 codes: I60-69.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Age-adjusted Mortality Rates (AAMRs) By Sex for - Cerebrovascular Disease 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
 The Connecticut State Rate= 49.7 per 100,000 population, Sex= Both

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Berlin	23	33.5	-11	$p < .050$	n.s.	--
Both	Branford	48	38.0	-15	$p < .050$	n.s.	--
Both	Colchester	28	80.2	11	$p < .050$	n.s.	--
Both	Enfield	51	38.7	-14	$p < .050$	n.s.	--
Both	Fairfield	167	63.8	37	$p < .005$	n.s.	--
Both	Farmington	37	36.3	-14	$p < .050$	n.s.	--
Both	Glastonbury	31	30.2	-20	$p < .005$	**	Lower
Both	Hartford	183	62.0	36	$p < .010$	n.s.	--
Both	Meriden	139	65.8	34	$p < .005$	n.s.	--
Both	Middletown	104	64.6	24	$p < .050$	n.s.	--
Both	New Haven	221	65.2	53	$p < .005$	**	Higher
Both	Norwalk	158	63.5	34	$p < .010$	n.s.	--
Both	Norwich	107	76.0	37	$p < .005$	**	Higher
Both	Old Lyme	24	94.6	11	$p < .050$	n.s.	--
Both	Orange	19	31.6	-11	$p < .050$	n.s.	--
Both	Southbury	48	32.6	-25	$p < .005$	*	Lower
Both	Stamford	155	38.5	-45	$p < .005$	**	Lower
Both	Waterbury	167	39.7	-42	$p < .005$	n.s.	--
Both	Watertown	24	31.8	-14	$p < .010$	n.s.	--
Both	West Hartford	158	39.1	-43	$p < .005$	*	Lower
Both	Winchester	35	80.7	13	$p < .050$	n.s.	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

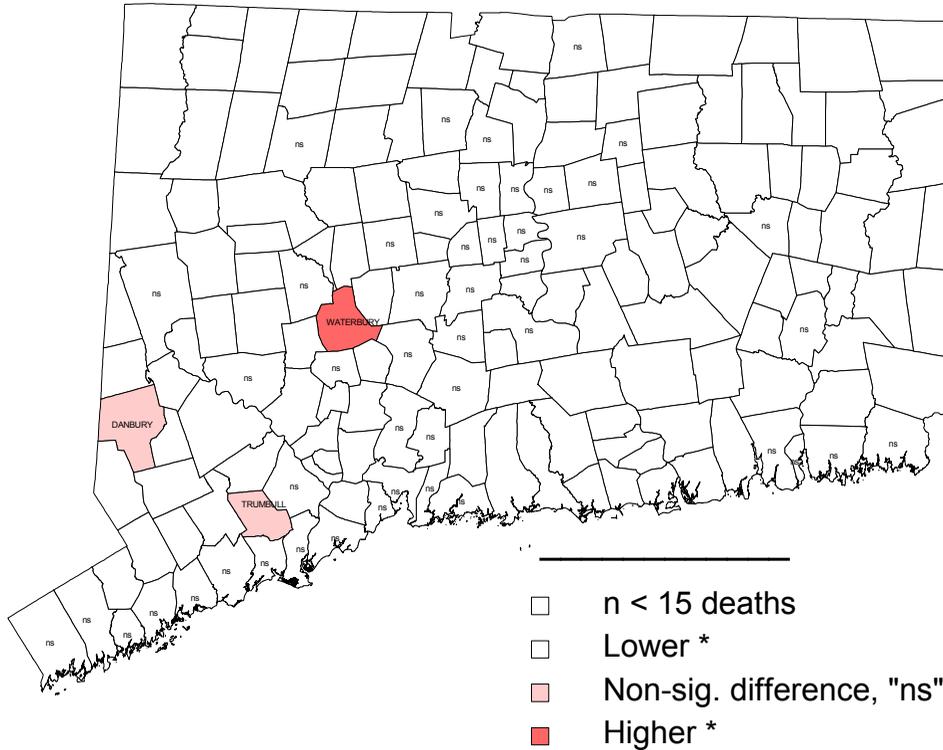
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; **** = $p < .005$.

Pneumonia and Influenza 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 51 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 21.8 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower. This cause-of-death category includes 2,630 deaths for 1999-2001, with the following ICD-10 codes: J10-18.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

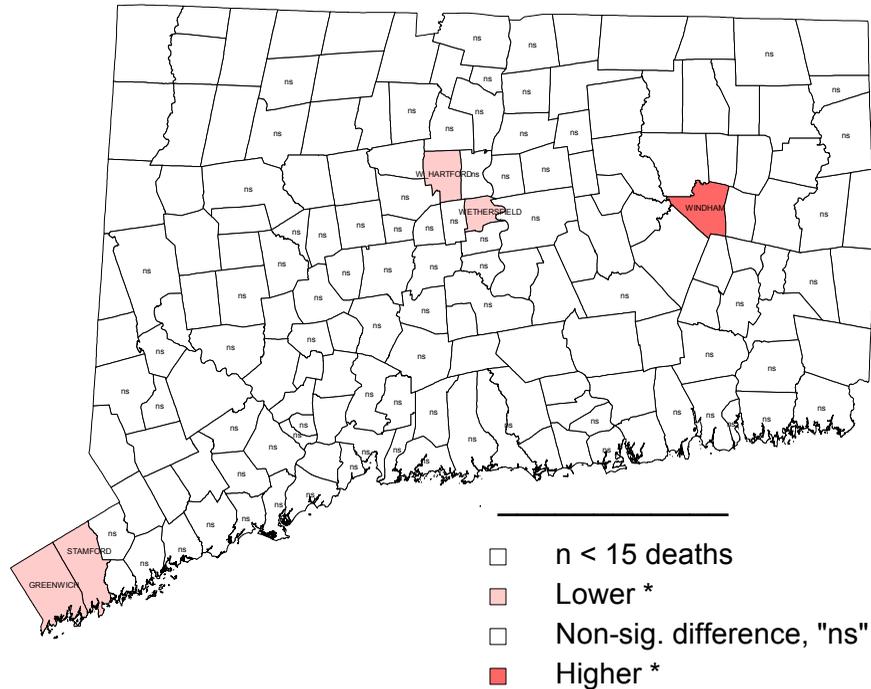
Age-adjusted Mortality Rates (AAMRs) By Sex for - Pneumonia and Influenza 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 21.8 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Danbury	25	11.4	-23	$p < .005$	***	Lower
Both	Darien	22	37.4	9	$p < .050$	n.s.	--
Both	Enfield	19	14.3	-10	$p < .050$	n.s.	--
Both	Manchester	65	30.5	19	$p < .050$	n.s.	--
Both	New Britain	84	29.1	21	$p < .050$	n.s.	--
Both	Shelton	22	14.8	-10	$p < .050$	n.s.	--
Both	Trumbull	19	12.3	-15	$p < .005$	**	Lower
Both	Waterbury	134	30.9	39	$p < .005$	**	Higher
Both	Windham	35	45.6	18	$p < .005$	n.s.	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When $O > E$ a (+) excess is reported.
 ++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.
 KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; ****= $p < .005$.

Chronic Lower Respiratory Diseases 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 83 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 38.3 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 4,446 deaths for 1999-2001, with the following ICD-10 codes: J40-47.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Age-adjusted Mortality Rates (AAMRs) By Sex for - Chronic Lower Respiratory Diseases 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 38.3 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bethel	28	65.0	11	$p < .050$	n.s.	--
Both	Bloomfield	28	24.9	-15	$p < .010$	n.s.	--
Both	Danbury	100	48.2	21	$p < .050$	n.s.	--
Both	East Hartford	101	56.4	32	$p < .005$	n.s.	--
Both	East Haven	27	24.4	-15	$p < .005$	n.s.	--
Both	Fairfield	72	28.5	-25	$p < .005$	n.s.	--
Both	Farmington	24	25.2	-12	$p < .050$	n.s.	--
Both	Greenwich	51	21.3	-41	$p < .005$	***	Lower
Both	Griswold	25	86.3	14	$p < .010$	n.s.	--
Both	Groton	67	56.3	21	$p < .010$	n.s.	--
Both	Killingly	32	60.2	12	$p < .050$	n.s.	--
Both	Manchester	98	48.8	21	$p < .050$	n.s.	--
Both	Meriden	104	50.8	26	$p < .050$	n.s.	--
Both	Milford	91	49.1	20	$p < .050$	n.s.	--
Both	New Britain	86	31.1	-20	$p < .050$	n.s.	--
Both	New London	47	62.3	18	$p < .010$	n.s.	--
Both	North Haven	26	25.5	-13	$p < .050$	n.s.	--
Both	Plainfield	33	80.1	17	$p < .005$	n.s.	--
Both	Southbury	43	26.3	-20	$p < .005$	n.s.	--
Both	Southington	71	50.1	17	$p < .050$	n.s.	--
Both	Stamford	99	24.9	-53	$p < .005$	***	Lower
Both	Stratford	70	30.6	-18	$p < .050$	n.s.	--
Both	Trumbull	44	29.4	-13	$p < .050$	n.s.	--
Both	Wallingford	84	50.2	20	$p < .050$	n.s.	--
Both	Waterbury	188	47.3	36	$p < .050$	n.s.	--
Both	West Hartford	95	25.3	-49	$p < .005$	***	Lower
Both	Westport	23	25.4	-12	$p < .050$	n.s.	--
Both	Wethersfield	37	24.1	-22	$p < .005$	**	Lower
Both	Windham	56	82.1	30	$p < .005$	***	Higher

**Age-adjusted Mortality Rates (AAMRs) By Sex for - Chronic Lower Respiratory Diseases
1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate
The Connecticut State Rate= 38.3 per 100,000 population, Sex= Both**

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Woodbury	20	71.3	9	p< .050	n.s. .	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.

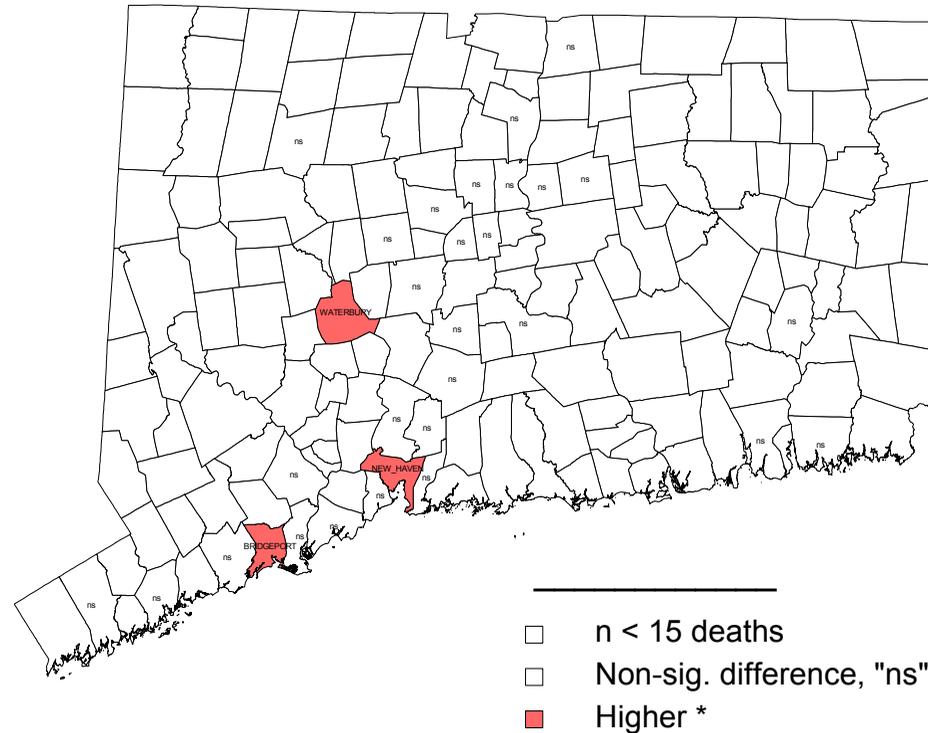
++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.

KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = p<.10; ** = p<.05; *** = p<.01; ****= p<.005 .

Nephritis, Nephrotic Syndrome, Nephrosis 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 31 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 13.4 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 1,559 deaths for 1999-2001, with the following ICD-10 codes: N00-07, N17-19, N25-27.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

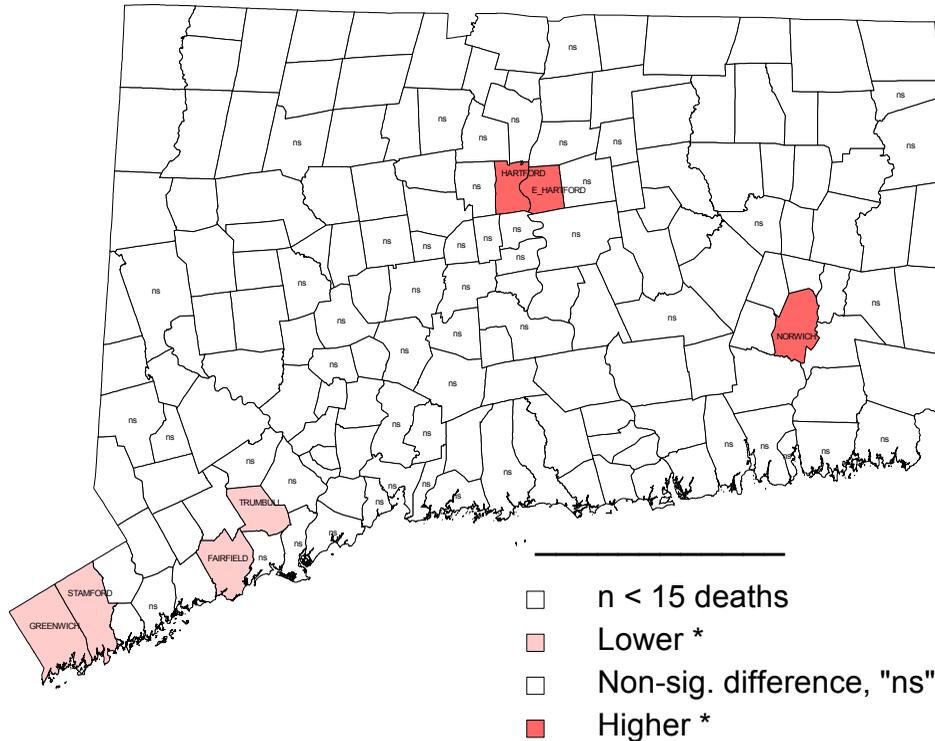
Age-adjusted Mortality Rates (AAMRs) By Sex for - Nephritis, Nephrotic Syndrome, Nephrosis 1999-2001 Town Death Rates that Differ Significantly from the Statewide Rate The Connecticut State Rate= 13.4 per 100,000 population, Sex= Both							
Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bridgeport	79	20.4	27	$p < .005$	*	Higher
Both	Hartford	56	19.1	17	$p < .050$	n.s.	--
Both	New Haven	90	29.1	48	$p < .005$	***	Higher
Both	Norwalk	22	8.6	-12	$p < .010$	n.s.	--
Both	Waterbury	88	21.9	34	$p < .005$	**	Higher
Both	West Hartford	35	9.8	-13	$p < .050$	n.s.	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When $O > E$ a (+) excess is reported.
 ++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.
 KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; ****= $p < .005$.

Accidents (Unintentional Injuries) 1999-2001

Age-adjusted Mortality Rates for Connecticut - Both Sexes

Towns that Differ Significantly from the State Rate *



* Age-adjusted mortality rates (AAMRs) are adjusted to the US 2000 standard reference population. There were 58 towns that had at least 15 deaths each, and these were evaluated to identify significant difference between the town AAMRs and the State AAMR of 30.1 per 100,000. The significance level used to select the towns was adjusted for multiple town-to-state AAMR comparisons, and assures an overall level of $p < .10$ for the towns designated as "higher" or lower." This cause-of-death category includes 3,227 deaths for 1999-2001, with the following ICD-10 codes: V01-X59, Y85-86.

Source: Connecticut Department of Public Health, HCQSAR, HISR, Planning Branch.

Sex	Town of Residence	Deaths	Town AAMR	Excess Deaths+	Single-Test Prob-Level	Multi-Test Prob-Level++	Compared to the State, the Town Rate is--
Both	Bridgeport	157	38.0	33	$p < .010$	n.s.	--
Both	East Hartford	75	47.4	27	$p < .005$	*	Higher
Both	Fairfield	38	18.1	-25	$p < .005$	***	Lower
Both	Greenwich	39	19.4	-21	$p < .005$	*	Lower
Both	Griswold	19	61.7	10	$p < .050$	n.s.	--
Both	Groton	21	18.4	-13	$p < .005$	n.s.	--
Both	Hartford	181	52.9	78	$p < .005$	***	Higher
Both	Killingly	27	52.8	12	$p < .050$	n.s.	--
Both	Meriden	71	39.9	18	$p < .050$	n.s.	--
Both	New Britain	93	40.6	24	$p < .050$	n.s.	--
Both	New Haven	129	37.3	25	$p < .050$	n.s.	--
Both	New Milford	33	47.6	12	$p < .050$	n.s.	--
Both	Norwalk	61	23.2	-18	$p < .050$	n.s.	--
Both	Norwich	61	53.8	27	$p < .005$	**	Higher
Both	Stamford	67	18.0	-45	$p < .005$	***	Lower
Both	Trumbull	16	13.4	-20	$p < .005$	***	Lower
Both	Vernon	18	19.9	-9	$p < .050$	n.s.	--
Both	Waterbury	133	39.7	32	$p < .010$	n.s.	--
Both	West Hartford	63	21.9	-23	$p < .010$	n.s.	--
Both	Windham	37	56.1	17	$p < .010$	n.s.	--

+ "Excess Deaths" are the estimated difference between the number of observed and expected deaths (O-E) in a town. The expected death count (E)= (Town death count) *(State AAMR)/(Town AAMR). When O>E a (+) excess is reported.
 ++ Significance tests labeled "Multi-test" are adjusted for multiple town-to-state comparisons, using Holm's method. The adjusted Multi-Test values were used to evaluate multiple town rates for each cause-of-death/sex group. The "Single-Test" significance levels may be used to compare a single town's AAMR with the state's AAMR.
 KEY TO MULTI-TEST SYMBOLS: n.s.= Not Significant; * = $p < .10$; ** = $p < .05$; *** = $p < .01$; **** = $p < .005$.