International Journal of Health Geographics



Open Access Methodology

U.S. congressional district cancer death rates

Yongping Hao*1, Elizabeth M Ward1, Ahmedin Jemal1, Linda W Pickle2 and Michael J Thun¹

Address: ¹American Cancer Society, 1599 Clifton Road, NE, Atlanta, Georgia, USA and ²NCI/DCCPS, 6116 Executive Blvd., Suite 504, Bethesda, Maryland, USA

Email: Yongping Hao* - yongping.hao@cancer.org; Elizabeth M Ward - elizabeth.ward@cancer.org; Ahmedin Jemal - ahmedin.jemal@cancer.org; Linda W Pickle - picklel@mail.nih.gov; Michael J Thun - michael.thun@cancer.org * Corresponding author

Published: 23 June 2006

International Journal of Health Geographics 2006, 5:28 doi:10.1186/1476-072X-5-28

This article is available from: http://www.ij-healthgeographics.com/content/5/1/28

This is an Open Access article distributed under the terms of the Creative Commons Attribution License (http://creativecommons.org/licenses/by/2.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Received: 11 May 2006 Accepted: 23 June 2006

© 2006 Hao et al; licensee BioMed Central Ltd.

Abstract

Background: Geographic patterns of cancer death rates in the U.S. have customarily been presented by county or aggregated into state economic or health service areas. Herein, we present the geographic patterns of cancer death rates in the U.S. by congressional district. Many congressional districts do not follow state or county boundaries. However, counties are the smallest geographical units for which death rates are available. Thus, a method based on the hierarchical relationship of census geographic units was developed to estimate age-adjusted death rates for congressional districts using data obtained at county level. These rates may be useful in communicating to legislators and policy makers about the cancer burden and potential impact of cancer control in their jurisdictions.

Results: Mortality data were obtained from the National Center for Health Statistics (NCHS) for 1990-2001 for 50 states, the District of Columbia, and all counties. We computed annual average age-adjusted death rates for all cancer sites combined, the four major cancers (lung and bronchus, prostate, female breast, and colorectal cancer) and cervical cancer. Cancer death rates varied widely across congressional districts for all cancer sites combined, for the four major cancers, and for cervical cancer. When examined at the national level, broad patterns of mortality by sex, race and region were generally similar with those previously observed based on county and state economic area.

Conclusion: We developed a method to generate cancer death rates by congressional district using county-level mortality data. Characterizing the cancer burden by congressional district may be useful in promoting cancer control and prevention programs, and persuading legislators to enact new cancer control programs and/or strengthening existing ones. The method can be applied to state legislative districts and other analyses that involve data aggregation from different geographic units.

Background

Cancer death rates presented by geographic boundaries such as state and county, state economic areas, and health service areas have been useful in monitoring temporal trends in allocating public health resources [1,2], and in some instances, in generating etiological hypotheses. These rates are less useful for communicating to legislators and policy makers whose jurisdictions are not defined by state or county boundaries. There have been no published studies that attempted to measure cancer death rates within congressional districts.

Public policy and legislation play a critically important role in efforts to reduce the burden of cancer. For example, the American Cancer Society estimates that in 2006 about 170,000 of the 564,830 cancer deaths are expected to be caused by tobacco use alone [3]. Policy measures that are proven to reduce smoking prevalence include excise taxes and funding for state comprehensive tobacco control programs [4-6]. Declines in smoking prevalence among men as a result of public health efforts have had a major influence on the declines in cancer mortality in the last decade.

We present a method to calculate cancer death rates according to congressional district that may be useful in advocating for legislative initiatives and funding for cancer research and prevention programs.

Results and discussion

Maps of cancer death rates by congressional district were prepared for men and women, for all races combined, and for African Americans, non-Hispanic whites, and Hispanics (Figures 1, 2, 3, 4, 5); Hispanics are not mutually exclusive of whites and African Americans. Regional patterns of cancer mortality for African Americans and non-Hispanic whites were compared to previously published maps based on counties and state economic areas [1]. Although maps of cancer mortality by congressional district were also prepared for Hispanics, regional patterns are difficult to interpret because of insufficient data to calculate rates for most parts of the country. When examined at the national level, broad patterns of mortality for African Americans and non-Hispanic whites by sex and region were consistent with those previously observed [1]. Geographic variations in cancer death rates may reflect, in part, regional variations in risk factors such as smoking and obesity, early detection and screening, and access to and utilization of medical services.

Figure 1 shows geographic patterns of death rates for all cancer sites combined by congressional district in the United States. In men, rates range from 186.3 in Utah congressional district #3 to 343.7 in District of Columbia (Table 1) and in women, from 123.4 in Utah congressional district #1 to 217.4 in Pennsylvania congressional district #2 (Table 2). Generally, the patterns for all cancer sites combined are strikingly similar to those for lung cancer (Figure 2), reflecting the importance of lung cancer as a cause of cancer death, and the strong association of lung and cancers of several other sites with tobacco smoking. Lung cancer death rates in all races combined range from

35.7 in Utah congressional district #1 to 130.3 in Kentucky congressional district #5 for men and from 14.8 in Utah congressional district #3 to 57.9 in Kentucky congressional district #5 for women. Lung cancer death rates are the highest in congressional districts in Appalachia and the south among non-Hispanic white men and in the Midwest and the south among African American men. In contrast, among women, rates are the highest in congressional districts in the Midwest among African Americans and in the west, Appalachia, and the coastal south among non-Hispanic whites. Historically, smoking was more common in the south among men and in the west among women, especially among whites [7]. Although patterns of lung cancer mortality in the 1990's primarily reflect smoking patterns in the 1950's and 1960's, the burden of death from all cancers and lung cancer by congressional district can be used to illustrate the importance of tobacco control measures as well as to document local needs for cancer treatment and associated services.

Historically, female breast cancer death rates have been elevated in the Northeastern and North Central regions; North-South differences have diminished over time as female breast cancer death rates decreased in the Northeast but increased in the South [8]. For all races combined, female breast cancer death rates vary from 20.6 in Hawaii to 39.4 in District of Columbia. Among African American women, breast cancer death rates are highest in congressional districts in the south, Midwest, and west coast, while among non-Hispanic whites, breast cancer mortality is highest in congressional districts in the Northeast and west coast (Figure 4, right panel). Patterns of breast cancer mortality partly reflect the influence of known risk factors as well as access to and utilization of cancer screening and treatment. Important cancer control measures include access to mammography for the uninsured and under-insured, and availability of Medicaid coverage for diagnosis and treatment.

Colorectal cancer death rates are highest overall in the Northeast and parts of the South and Midwest. Generally, death rates range from 18.4 in Texas congressional district #15 to 37.1 in Pennsylvania congressional district #1 for men and from 11.3 in Texas congressional district #15 to 24.1 in District of Columbia for women (Figure 3). Although a strong geographic pattern for colorectal cancer mortality has existed since the 1950's, the reasons are not well-understood [1]. The current priority for colorectal cancer control is to increase the proportion of individuals over 50 who receive recommended screening tests. Illustrating colorectal cancer mortality by legislative district may be influential in encouraging legislative support for mandated insurance coverage of colorectal screening tests and for programs to provide testing for the uninsured and under-insured.

For all races combined, prostate cancer death rates range from 23.8 in Texas congressional district #15 and Hawaii to 58.2 in District of Columbia. Generally, rates are highest in congressional districts in the mid-Atlantic and Southern coastal areas, reflecting in large part the higher proportion of the African American men in the population of these areas (Figure 4, left panel). Death rates for African American men are more than twice the rates for non-Hispanic white men, reflecting higher incidence, later stage at diagnosis and poorer survival among African American men. Among non-Hispanic whites, rates are highest in congressional districts in the Rocky Mountain region; high rate (40.2) is observed in Hispanics in Texas congressional district #13. A recent study suggested that 10% to 30% of the geographic variation in prostate cancer death rates might relate to variations in access to medical care [9]. Although cancer control measures for prostate cancer are less well-defined than measures for some other cancer sites, illustrating prostate cancer mortality by congressional district may be helpful in advocating for funding of research on the prevention, early detection and treatment of prostate cancer and highlighting the importance of access to medical care for African American men.

Mortality from cervical cancer in all races combined is highest in congressional districts in Appalachia, in the South and parts of the Southwest, with rates ranging from 1.4 in Minnesota congressional district #2 to 5.7 in New York congressional district #16 (Figure 5). Among African American women, rates are highest in congressional districts in the south and southeast, among non-Hispanic whites, rates are highest in congressional districts in Appalachia, and in Hispanics rates are highest in congressional districts in the coastal parts of California and Texas and in Colorado congressional district #3. Important cancer control measures include access to Pap tests for the uninsured and under-insured, and availability of Medicaid coverage for diagnosis and treatment.

Conclusion

The cancer mortality patterns by congressional district are generally similar to the patterns seen using other geographic boundaries. However, the patterns by congressional district may be useful to cancer control advocates to illustrate the importance of cancer control measures (prevention, early detection, and treatment) for their constituents. The method can be applied to state legislative districts and other analyses that involve data aggregation from different geographic units. Further research is needed to validate the estimates using mortality data geocoded to the lower geographic level such as block.

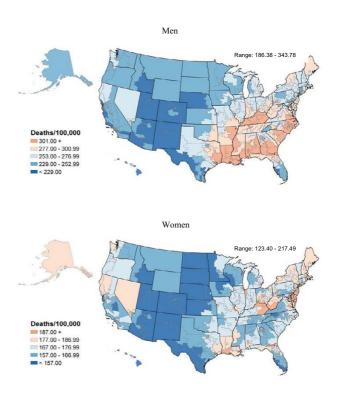


Figure I
All cancers combined death rates per 100,000 person-years by congressional district (age-adjusted 2000 US population), 1990–2001.

Methods

Death rates for U.S. states and counties

Mortality data were obtained from the National Center for Health Statistics (NCHS). We computed annual average age-adjusted death rates for all cancer sites combined, the four major cancers (lung and bronchus, prostate, female breast, and colorectal cancer) and cervical cancer from 1990-2001 for 50 states, District of Columbia, and all counties using SEER*Stat [10]. Death rates, counts (number of deaths), and populations for counties were directly obtained for men and women, for all races combined, and for African Americans, non-Hispanic whites, and Hispanics. Except for the years of 1990 and 2000, the intercensal populations computed by the Census Bureau were used to obtain the total populations for the study time period. Since county designation for Alaska and Hawaii was not available from NCHS, death rates for Alaska and Hawaii reflect state rates. Rates were standardized to the 2000 U.S. population and expressed per 100,000 person-years.

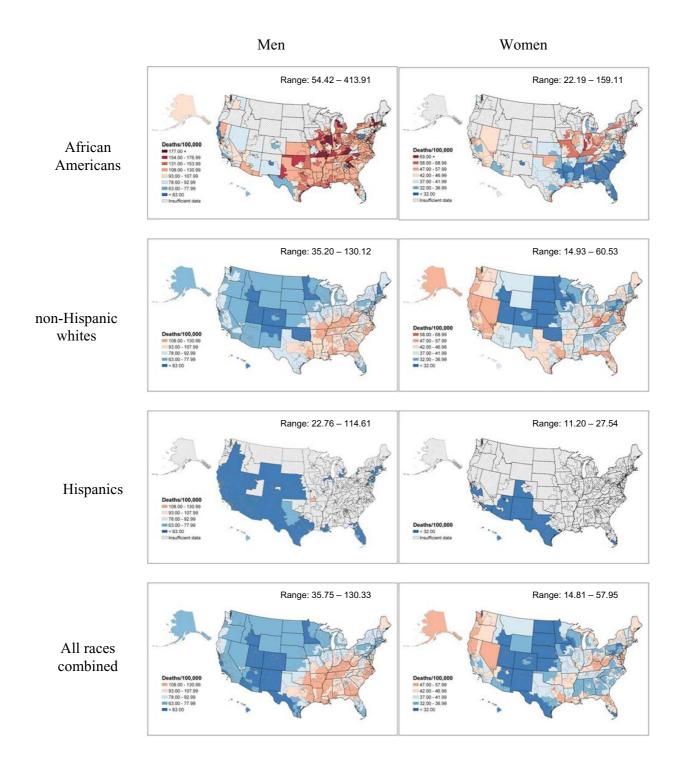


Figure 2
Lung cancer death rates per 100,000 person-years by congressional district (age-adjusted 2000 US population), 1990–2001.

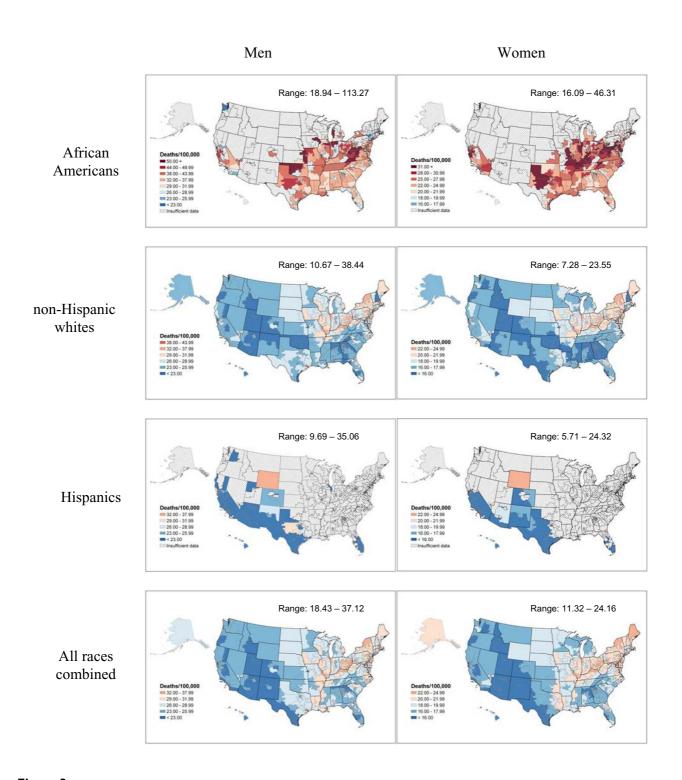


Figure 3
Colorectal cancer death rates per 100,000 person-years by congressional district (age-adjusted 2000 US population), 1990–2001.

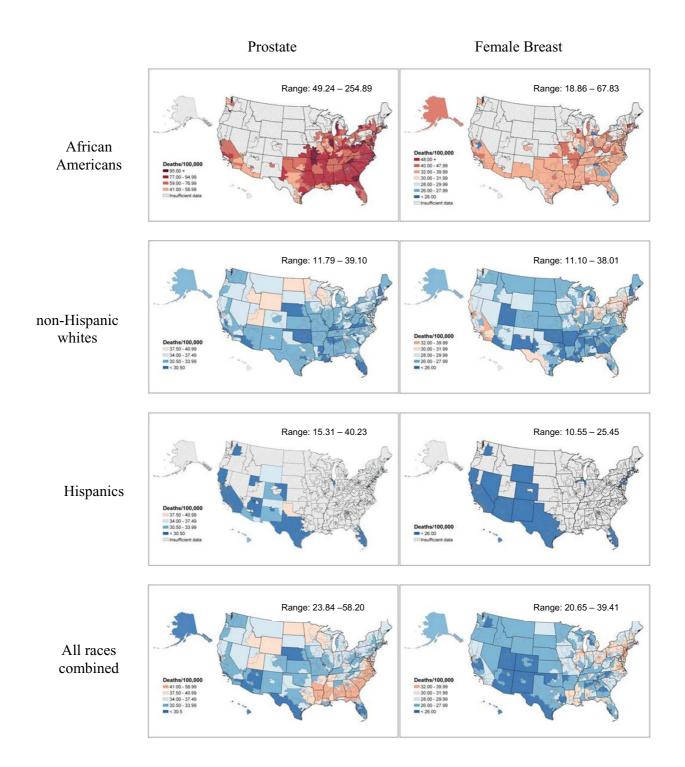


Figure 4Prostate, female breast cancer death rates per 100,000 person-years by congressional district (age-adjusted 2000 US population), 1990–2001.

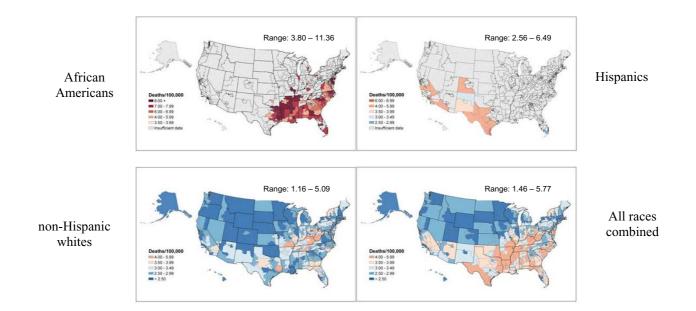


Figure 5
Cervical cancer death rates per 100,000 person-years by congressional district (age-adjusted 2000 US population), 1990–2001.

Death rates for U.S. congressional districts

There are 436 (excluding Puerto Rico) federal congressional districts in the U.S. [11]. Among these, eight congressional districts followed state boundaries or their equivalent (Alaska, District of Columbia, Delaware, Montana, North Dakota, South Dakota, Vermont, and Wyoming). Further, since county-specific mortality data were not provided for Hawaii in SEER*Stat, we assigned the state death rate to both congressional districts. For congressional districts whose boundaries did not follow state and county boundaries (n = 426), death rates were calculated by assigning county-level age-adjusted death rates to census block and then aggregating death rates over blocks by congressional district using GIS [12] and SAS [13]. By doing so, we assume that blocks within a county have same death rates.

There are three major areal interpolation methods (area weighting, surface smoothing, and dasymetric technique) for generating estimates for target zones from data available for source zones when the two geographic units are not comparable. Areal weighting assumes that data are homogeneously distributed across geographic units, which is generally unrealistic; it also involves the direct superimposition of source zones and target zones [14], which often leads to a lot of geographic boundary-line discrepancies [15]. Surface smoothing models data available for source zones as a continuous surface across the adjacent zones, assuming that the density declines with

distance, taking into account the proximity of neighboring centroids [16,17]. Dasymetric technique uses ancillary information to refine uneven data distributions across geographic units. Land cover from remote sensing [18] and the street layer [15,19] have been used as subzone ancillary information. A recent study uses parish level (the lowest administrative unit) population data to derive weights [20]. However, there is no universal rule to construct areal interpolation, and the best solution depends on various factors: the variables of interest, the spatial relationships between source zones and target zones, and the availability of ancillary information related to both.

In this study, we constructed a dasymetric method based on the hierarchical spatial relationships between blocks and counties and between blocks and congressional districts. Generally, congressional district and county share census block as a common basic spatial unit (Table 3) [21,22]. We used block level sex- and race- specific population to devise a dasymetric approach that assigns county-level measures such as cancer death rates to census block and then aggregates census blocks at the congressional district level, using block population as a weighting factor. We did not use area weighting because of its unrealistic homogeneity assumption and boundary-line discrepancies associated with direct superimposition of two incomparable geographic units. Surface smoothing gives reliable estimates when smoothness is the real property of the density. However, the occurrence of cancer rarely fol-

Table I: Age-adjusted death rates, all cancers combined, for US men by congressional district (CD), 1990-2001

State	CD	Rate	State	CD	Rate	State	CD	Rate	State	CD	Rate
AL	0101	311.55	FL	1223	233.18	MN	2705	246.79	OR	4102	245.13
AL	0102	309.74	FL	1224	262.08	MN	2706	243.38	OR	4103	270.72
AL	0103	312.74	FL	1225	231.74	MN	2707	235.05	OR	4104	246.92
AL	0104	290.71	GA	1301	306.92	MN	2708	250.08	OR	4105	246.09
AL	0105	262.11	GA	1302	318.36	MS	2801	299.09	PA	420 I	341.70
AL	0106	286.12	GA	1303	310.67	MS	2802	330.08	PA	4202	343.25
AL	0107	307.46	GA	1304	256.56	MS	2803	299.83	PA	4203	262.65
AK	0299	248.48	GA	1305	283.68	MS	2804	314.84	PA	4204	279.79
AZ	0401	205.84	GA	1306	271.97	MO	2901	282.13	PA	4205	250.82
AZ	0402	239.41	GA	1307	253.45	MO	2902	256.11	PA	4206	251.69
AZ	0403	229.35	GA	1308	283.26	MO	2903	298.52	PA	4207	276.22
AZ	0404	229.35	GA	1309	276.76	MO	2904	264.86	PA	4208	272.61
AZ	0405	229.35	GA	1310	276.81	MO	2905	277.15	PA	4209	253.47
AZ	0406	227.76	GA	1311	290.20	MO	2906	263.57	PA	4210	260.76
AZ	0407	211.10	GA	1312	295.19	MO	2907	272.91	PA	4211	274.08
AZ	0408	234.26	GA	1313	267.16	MO	2908	290.16	PA	4212	268.01
AR	0501	307.86	HI	1501	202.59	MO	2909	264.05	PA	4213	295.64
AR	0502	292.46	HI	1502	202.59	MT	3099	248.52	PA	4214	288.08
AR	0503	264.97	ID	1601	234.87	NE	3101	242.74	PA	4215	253.36
AR	0504	296.35	ID "	1602	221.35	NE	3102	267.93	PA	4216	244.42
CA	0601	257.81	IL "	1701	287.98	NE	3103	226.06	PA	4217	266.93
CA	0602	266.90	IL "	1702	287.63	NV	3201	268.19	PA	4218	277.63
CA	0603	245.75	IL 	1703	287.98	NV	3202	254.67	PA	4219	252.99
CA	0604	236.01	IL "	1704	287.98	NV	3203	268.19	RI	4401	276.83
CA	0605	245.61	IL "	1705	287.98	NH	3301	270.77	RI SC	4402	278.12
CA	0606	227.02	IL ''	1706	256.03	NH	3302	266.04	SC SC	4501	293.71
CA CA	0607 0608	244.64 244.76	IL IL	1707 1708	287.98 265.27	NJ	3401 3402	292.38 290.30	SC SC	4502 4503	279.65 283.26
CA	0609	2 44 .76 246.04	IL IL	1708	287.98	NJ NJ	3402	277.44	SC SC	4504	280.26
CA	0610	242.33	IL	1710	269.31	NJ	3404	275.30	SC	4505	311.21
CA	0611	242.00	IL	1711	272.33	NJ	3405	259.29	SC	4506	313.81
CA	0612	232.65	IL	1711	296.31	NJ	3406	273.02	SD	4699	246.34
CA	0613	246.04	IL	1713	257.26	NJ	3407	260.46	TN	4701	288.63
CA	0614	216.61	IL	1714	248.91	NJ	3408	279.73	TN	4702	281.01
CA	0615	208.66	IL	1715	267.45	NJ	3409	260.33	TN	4703	293.12
CA	0616	208.66	IL	1716	266.46	NJ	3410	285.53	TN	4704	299.25
CA	0617	220.87	IL	1717	273.62	NJ	3411	253.50	TN	4705	301.32
CA	0618	248.61	IL	1718	274.38	NJ	3412	271.16	TN	4706	282.64
CA	0619	239.15	IL	1719	275.28	ΝĴ	3413	283.59	TN	4707	295.64
CA	0620	235.22	IN	1801	297.56	NM	3501	224.30	TN	4708	299.44
CA	0621	231.25	IN	1802	273.64	NM	3502	227.97	TN	4709	323.86
CA	0622	241.10	IN	1803	264.13	NM	3503	205.63	TX	480 I	298.28
CA	0623	216.41	IN	1804	278.64	NY	3601	272.33	TX	4802	302.76
CA	0624	218.17	IN	1805	265.45	NY	3602	269.70	TX	4803	251.80
CA	0625	234.12	IN	1806	271.20	NY	3603	245.27	TX	4804	280.20
CA	0626	239.12	IN	1807	310.26	NY	3604	236.48	TX	4805	296.25
CA	0627	229.74	IN	1808	287.76	NY	3605	225.59	TX	4806	281.01
CA	0628	229.74	IN	1809	286.44	NY	3606	222.78	TX	4807	277.95
CA	0629	229.74	IA	1901	259.56	NY	3607	247.39	TX	4808	282.93
CA	0630	229.74	IA	1902	250.56	NY	3608	247.21	TX	4809	302.08
CA	0631	229.74	IA	1903	256.54	NY	3609	229.07	TX	4810	242.29
CA	0632	229.74	IA	1904	242.92	NY	3610	242.88	TX	4811	272.71
CA	0633	229.74	IA	1905	244.45	NY	3611	242.94	TX	4812	272.87
CA	0634	229.74	KS	2001	236.43	NY	3612	240.42	TX	4813	267.39
CA	0635	229.74	KS	2002	254.68	NY	3613	263.79	TX	4814	267.50
CA	0636	229.74	KS	2003	243.40	NY	3614	241.66	TX	4 815	200.38
CA	0637	229.74	KS	2004	259.82	NY	3615	251.70	TX	4 816	223.16
C 4	0638	229.74	KY	2101	301.17	NY	3616	267.24	TX	4817	270.88
CA CA	0639	229.74	KY	2102	302.60	NY	3617	255.21	TX	4818	277.95

Table 1: Age-adjusted death rates, all cancers combined, for US men by congressional district (CD), 1990-2001 (Continued)

CA 0640 2248.3 KY 2103 319.57 NY 3618 245.32 TX 4819 258.34 CA 0641 248.53 KY 2104 311.74 NY 3619 263.83 TX 4820 252.64 CA 0641 225.41 LX 2105 314.33 NY 3620 266.28 TX 4821 247.33 CA 0643 253.34 KY 2106 306.21 NY 3621 270.59 TX 4821 247.33 CA 0643 253.34 KY 2106 306.21 NY 3621 270.59 TX 4822 263.97 CA 0645 225.51 LA 2201 313.23 NY 3622 270.59 TX 4823 226.97 CA 0645 225.51 LA 2200 312.26 NY 3623 278.23 TX 4824 275.61 CA 0645 225.61 LA 2204 314.56 NY 3623 278.23 TX 4824 275.61 CA 0646 224.82 LA 2203 317.11 NY 3624 257.38 TX 4825 276.05 CA 0646 224.82 LA 2203 317.11 NY 3624 257.38 TX 4826 276.05 CA 0647 224.82 LA 2205 312.98 NY 3625 266.60 TX 4826 270.00 CA 0649 232.00 LA 2206 302.08 NY 3625 270.45 TX 4827 229.00 CA 0649 232.00 LA 2206 302.08 NY 3626 270.45 TX 4828 216.66 CA 0650 235.70 LA 2206 302.08 NY 3628 288.36 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3628 268.36 TX 4829 277.95 CA 0652 235.70 ME 2302 291.59 NC 3701 375.75 TX 4831 258.48 CA 0633 235.70 MD 2401 293.67 NC 3701 375.75 TX 4831 258.48 CO 0801 247.17 MD 2401 293.67 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4903 186.38 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4903 186.38 CO 0804 217.45 MD 2405 2405 293.74 NC 3705 270.43 UT 4903 186.38 CO 0806 2273.50 MD 2406 268.50 NC 3705 3703 312.42 UT 4903 186.38 CO 0806 2271.0 MD 2406 268.50 NC 3707 3703 312.42 UT 4903 186.38 CO 0806 2271.0 MD 2406 268.50 NC 3707 3703 40.40 NC 3704 276.61 UT 4903 186.38 CC 0806 205.15 MD 2407 2408 212.85 NC 3703 30.46 VA 5101 294.08 CC 0806 205.15 MD 2407 2408 212.85 NC 3703 394.95 VA 5101 294.08 CC 0806 205.15 MD 2407 2408 212.85 NC 3703 30.46 VA 5101 294.08 CC 0806 205.15 MD 2407 2408 212.85 NC 3703 30.46 VA 5101 294.08 CC 0806 205.15 MD 2407 2408 2408 2408 279.95 NC 3709 298.04 VA 5101 294.08 CC 0806 205.15 MD 2407 2408 2408 2409 279.95 NC 3709 298.04 VA 5101 294.08 CC 0806 205.15 MD 2406 266.50 NC 3707 303 40 VA 5101 294.08 CC 0806 205.15 MD 2406 266.50 NC 3707 303 40 VA 5100 294.08 CC 0806 205.15 MD 2407 2408 2500 279.90 NC 3			death rates									
CA 0642 232.32 KY 2105 314.33 NY 3620 266.38 TX 4821 247.33 CA 0644 225.41 LA 2201 313.23 NY 3620 267.14 TX 4822 226.397 CA 0644 225.41 LA 2201 313.23 NY 3622 270.59 TX 4823 226.597 CA 0645 225.51 LA 2202 341.56 NY 3622 270.59 TX 4823 226.57 CA 0646 224.68 LA 2203 317.11 NY 3624 257.38 TX 4824 275.61 CA 0646 224.82 LA 2204 314.28 NY 3625 266.60 TX 4825 276.05 CA 0649 224.82 LA 2205 31.98 NY 3626 270.45 TX 4822 229.00 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4822 231.66 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4828 231.66 CA 0651 235.70 ME 2301 272.57 NY 3629 268.36 TX 4830 279.05 CA 0652 235.70 MD 2401 293.67 NC 3701 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3702 307.11 TX 4822 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 307.11 TX 4823 279.05 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4901 188.85 CO 0803 231.80 MD 2404 261.33 NC 3705 270.43 UT 4901 188.85 CO 0804 217.45 MD 2405 268.50 NC 3701 303.46 VA 5102 291.22 CO 0807 233.10 MD 2406 268.50 NC 3707 303.46 VA 5102 291.22 CO 0807 233.10 MD 2406 268.50 NC 3707 303.46 VA 5102 291.22 CO 0807 233.10 MD 2408 273.74 NC 3706 295.65 VA 5102 291.22 CO 0807 233.10 MD 2408 273.74 NC 3708 295.65 VA 5102 294.08 CT 0901 255.68 MA 2502 273.91 NC 3709 280.84 VA 5103 335.68 CT 0904 237.15 MA 2504 275.28 NC 3711 251.18 VA 5104 321.70 CT 0904 237.15 MA 2504 275.28 NC 3711 274.86 VA 5107 294.08 CT 0903 233.05 MA 2502 273.91 NC 3709 280.84 VA 5106 279.12 CT 0904 237.15 MA 2504 275.28 NC 3711 274.86 VA 5107 294.08 CT 0903 255.68 MA 2502 273.91 NC 3709 280.84 VA 5106 279.12 CT 0904 237.15 MA 2504 275.28 NC 3711 251.18 VA 5106 331.70 CT 0904 237.15 MA 2504 275.28 NC 3711 251.18 VA 5104 321.70 CT 0904 237.15 MA 2504 275.28 NC 3711 274.86 VA 5107 299.48 CT 0903 253.05 MA 2502 273.91 NC 3709 280.84 VA 5107 293.24 CT 0904 237.15 MA 2504 255.25 NC 3709 280.94 VA 5107 293.24 CT 0904 237.15 MA 2504 275.28 NC 3711 274.86 VA 5107 293.24 CT 09	CA	0640	224.83	KY	2103	319.57	NY	3618	245.32	TX	4819	258.34
CA 0643 253.34 KY 2106 306.21 NY 3621 267.14 TX 4822 263.37 CA 0645 225.51 LA 2201 313.23 NY 3622 270.59 TX 4823 226.97 CA 0646 226.08 LA 2203 317.11 NY 3623 270.59 TX 4823 275.61 CA 0646 226.08 LA 2203 317.11 NY 3624 257.38 TX 4824 275.61 CA 0646 226.08 LA 2203 317.11 NY 3625 266.60 TX 4825 276.05 CA 0647 224.82 LA 2204 314.28 NY 3625 266.60 TX 4825 276.05 CA 0648 224.82 LA 2205 321.98 NY 3626 270.45 TX 4827 229.00 CA 0649 232.00 LA 2206 302.08 NY 3626 270.45 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0652 235.70 MD 2401 293.67 NC 3703 307.11 TX 4830 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3704 276.61 UT 4902 194.50 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 231.00 MD 2406 261.33 NC 3706 269.53 VT 5099 262.46 CO 0805 231.00 MD 2406 266.20 NC 3707 303.67 NC 3708 295.65 NA 5101 294.08 CO 0806 205.15 MD 2407 3315.99 NC 3708 295.65 NA 5102 291.22 CO 0807 232.10 MD 2408 212.85 NC 3707 829.65 NA 5102 291.22 CO 0807 232.10 MD 2408 212.85 NC 3709 296.84 NA 5102 291.22 CO 0807 232.10 MD 2408 212.85 NC 3709 296.84 NA 5102 291.22 CO 0807 232.10 MD 2408 212.85 NC 3701 283.71 NA 5104 221.70 CT 0901 252.15 MA 2501 266.20 NC 3711 273.38 NA 5106 270.54 NA 5102 291.22 NA 5102 291.22 EXECUTED SECUTED		0641	248.53	KY		311.74	NY	3619	263.83		4820	
CA 0645 225.51 LA 2201 313.23 NY 3622 270.59 TX 4823 226.97 CA 0645 225.51 LA 2202 317.61 NY 3623 278.23 TX 4824 275.61 CA 0646 226.08 LA 2203 317.11 NY 3624 2573.8 TX 4825 276.05 CA 0646 224.82 LA 2204 314.28 NY 3625 266.60 TX 4825 276.05 CA 0648 224.82 LA 2205 321.98 NY 3626 270.45 TX 4827 229.00 CA 0648 224.82 LA 2205 321.98 NY 3626 270.45 TX 4828 231.66 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4828 231.66 CA 0651 235.70 ME 2301 272.57 NY 3628 268.37 TX 4828 231.66 CA 0651 235.70 ME 2302 291.59 NC 3701 302.575 TX 4830 279.05 CA 0652 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3702 307.11 TX 4822 279.05 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 188.85 CO 0802 216.40 MD 2405 293.74 NC 3706 269.53 UT 4902 186.38 CO 0806 205.15 MD 2407 231.59 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3707 303.46 VA 5101 294.08 CC 0806 230.10 MD 2406 266.50 NC 3707 303.46 VA 5101 294.08 CC 0806 230.10 MD 2406 266.50 NC 3707 303.46 VA 5101 294.08 CC 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5102 291.22 CC 0807 223.10 MD 2408 250.2 273.91 NC 3708 289.56 VA 5102 291.22 CC 0807 233.10 MD 2408 250.2 273.91 NC 3708 289.56 VA 5102 293.22 NC CT 0901 252.15 MA 2501 266.20 NC 3710 389.46 VA 5100 2270.88 LD CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5106 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5102 293.88 ID CT 1903 243.05 MA 2502 273.91 NC 3711 251.18 VA 5106 228.11 DE 1099 289.44 MA 2506 266.00 NC 3710 3904 274.64 WA 5300 278.58 LD CT 1903 233.05 MA 2502 273.91 NC 3711 251.18 VA 5106 228.11 DE 1099 289.44 MA 2506 266.00 NC 3710 3904 274.64 WA 5300 270.56 NC 3709 289.84 VA 5100 293.58 MA 2502 273.91 NC 3711 251.18 VA 5106 223.11 NC 3712 34.80 NC 37	CA	0642	232.32	KY	2105	314.33	NY	3620	266.28	TX	482 I	247.33
CA 0645 225.51 LA 2202 341.56 NY 3623 278.23 TX 4824 275.61 CA 0646 226.08 LA 2203 317.11 NY 3624 257.38 TX 4825 276.05 CA 0648 224.82 LA 2204 314.28 NY 3625 266.60 TX 4826 250.08 CA 0648 224.82 LA 2205 321.98 NY 3626 270.45 TX 4828 229.00 CA 0649 222.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4828 231.66 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0651 235.70 ME 2302 291.59 NC 3701 3325.75 TX 4828 229.05 CA 0652 235.70 ME 2302 291.59 NC 3702 307.11 TX 4823 279.05 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4823 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CC 0802 216.40 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0806 205.15 MD 2407 2331.59 NC 3708 279.56 VA 5101 294.08 CC 0806 205.15 MD 2407 331.59 NC 3708 279.56 VA 5101 294.08 CC 0806 205.15 MD 2407 331.59 NC 3708 279.56 VA 5101 294.08 CC 0806 205.15 MD 2407 331.59 NC 3701 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 273.88 VA 5106 270.34 CT 0903 253.05 MA 2503 272.89 NC 3712 273.88 VA 5106 270.48 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 270.48 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 270.48 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 270.48 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 270.48 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 293.67 VA 5109 274.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.89 VA 5106 270.48 PA 5107 274.86 VA 5	CA	0643	253.34	KY	2106	306.21	NY	3621	267.14	TX	4822	263.97
CA 0646 226.08 LA 2203 317.11 NY 3624 257.38 TX 4825 276.05 CA 0647 224.82 LA 2204 314.28 NY 3625 266.60 TX 4826 250.08 CA 0648 224.82 LA 2205 321.98 NY 3625 266.60 TX 4826 250.08 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4827 229.00 CA 0650 235.70 LA 2206 302.08 NY 3627 271.37 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4820 277.95 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0652 235.70 ME 2301 272.57 NY 3629 268.26 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3703 312.42 UT 4901 188.85 CA 0653 235.70 MD 2401 293.67 NC 3703 312.42 UT 4901 188.85 CA 0652 235.00 MD 2401 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0803 216.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 330.46 VA 5101 294.08 CO 0806 201.5 MD 2407 331.59 NC 3709 280.84 VA 5101 294.08 CO 0806 223.10 MD 2408 212.85 NC 3709 280.84 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 291.22 CC 0903 253.05 MA 2503 272.89 NC 3711 251.18 VA 5105 278.17 ED 109.05 246.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.17 ED 109.05 246.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.17 ED 109.9 289.44 MA 2506 273.91 NC 3711 251.18 VA 5105 278.17 ED 109.9 289.44 MA 2506 273.91 NC 3711 251.18 VA 5105 278.81 ED 109.9 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 ED 1198 343.78 MA 2507 271.96 OH 3907 276.90 WA 5303 244.02 VA 5101 299.52 ED 1199 289.44 MA 2506 268.80 ND 3899 243.00 VA 5110 258.25 ED 1199 289.44 MA 2506 273.91 NC 3711 251.18 VA 5105 278.91 PL 1202 262.23 MI 2603 265.80 ND 3909 283.80 VA 5110 258.25 ED 1199 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 ED 1198 343.78 MA 2507 273.91 OH 3907 276.90 WA 5303 245.75 ED 1198 343.78 MA 2506 260.08 MI 2603 245.36 OH 3909 287.34 WA 5306 240.05 ED 1198 262.72 MI 2605 265.81 OH 3907 276.90 WA 5303 246.75 ED 1198 262.77 MI 2605 26	CA	0644	225.41	LA	2201	313.23	NY	3622	270.59	TX	4823	226.97
CA 0648 224.82 LA 2205 314.98 NY 3625 266.60 TX 4826 250.08 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4827 277.95 CA 0651 235.62 ME 2301 277.55 NY 3629 268.26 TX 4830 279.05 CA 0652 235.70 ME 2302 291.59 NC 3701 375.75 TX 4831 279.05 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 301.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.53 NC 3704 276.61 UT 4902 194.50 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0804 217.45 MD 2405 293.74 NC 3705 3703 312.42 UT 4901 186.38 CO 0804 217.45 MD 2405 293.74 NC 3707 303.46 VA 5101 294.08 CCO 0806 205.15 MD 2407 331.59 NC 3707 303.46 VA 5101 294.08 CCO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CCO 0807 223.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CCT 0901 252.15 MA 2501 266.20 NC 3709 383.71 VA 5102 291.22 CCT 0901 252.15 MA 2501 266.20 NC 3709 280.84 VA 5103 335.68 CTT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.65 CTT 0904 237.15 MA 2503 272.89 NC 3712 273.38 VA 5105 278.65 CTT 0904 237.15 MA 2503 272.89 NC 3713 274.86 VA 5107 274.86 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.65 CTT 0904 237.15 MA 2504 275.28 NC 3709 293.84 VA 5103 232.70 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.65 CTT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 274.86 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.85 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.85 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CTT 0905 266.80 MA 2502 273.91 NC 3711 251.18 VA 5105 273.94 NA 5302 234.80 NC 1102 287.55 NC 3709 293.84 VA 5106 273.49 NA 5302 234.80 NC 1102 287.55 NA 5302 247.57 NA 5302 234.90 NC 1102 246.60 NA 5302 247.57 NA 5302 247.57	CA	0645	225.51	LA	2202	341.56	NY	3623	278.23	TX	4824	275.61
CA 0648 224.82 LA 2205 321.98 NY 3626 270.45 TX 4827 229.00 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4828 231.66 CA 0651 235.62 ME 2301 272.57 NY 3628 268.37 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3628 268.26 TX 4830 279.05 CA 0652 235.70 ME 2302 291.59 NC 3701 325.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.86 CT 0901 252.15 MA 2501 266.20 NC 3701 280.84 VA 5103 335.86 CT 0901 252.15 MA 2501 266.20 NC 3711 251.18 VA 5104 270.88 CT 0902 255.68 MA 2503 272.89 NC 3712 273.38 VA 5106 270.58 CT 0904 237.15 MA 2501 266.20 NC 3710 283.71 VA 5104 231.70 CT 0902 255.68 MA 2503 272.89 NC 3712 273.38 VA 5106 270.58 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2505 268.96 ND 3699 243.02 VA 5108 228.11 DE LD 287.59 MA 2508 295.36 ND 3699 243.02 VA 5108 228.11 DE LD 287.59 MA 2508 295.36 ND 3699 243.02 VA 5108 228.11 DE LD 287.59 MA 2508 295.36 ND 3699 243.02 VA 5108 228.11 DE LD 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 PL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 PL 1204 287.59 MA 2508 295.36 OH 3903 287.59 WA 5302 234.80 PL 1204 216.89 MI 2607 263.88 OH 3903 227.46 WA 5301 245.00 PL 1204 287.59 MA 2508 295.36 OH 3903 287.59 WA 5303 234.80 PL 1204 216.89 MI 2607 263.88 OH 3904 274.64 WA 5306 280.89 PL 1204 216.89 MI 2607 263.88 OH 3904 274.64 WA 5306 280.89 PL 1204 249.68 MI 2607 263.88 OH 3904 274.64 WA 5303 244.02 PL 1204 249.68 MI 2607 263.88 OH 3904 277.94 WV 5402 295.32 PL 1204 249	CA	0646	226.08	LA	2203	317.11	NY	3624	257.38	TX	4825	276.05
CA 0648 224.82 LA 2205 331.98 NY 3626 270.45 TX 4827 229.00 CA 0649 232.00 LA 2206 302.08 NY 3627 271.37 TX 4828 231.66 CA 0650 235.70 LA 2207 307.17 NY 3628 268.26 TX 4830 279.05 CA 0651 235.62 ME 2301 272.57 NY 3628 268.26 TX 4830 279.05 CA 0651 235.62 ME 2301 272.57 NY 3628 268.26 TX 4830 279.05 CA 0653 235.70 MD 2401 293.67 NC 3701 355.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0801 217.45 MD 2404 261.33 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 265.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.86 CT 0901 252.15 MA 2501 266.20 NC 3701 280.84 VA 5103 335.86 CT 0901 252.15 MA 2501 266.20 NC 3710 283.17 VA 5104 217.07 CT 0902 255.68 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 DE CT 0905 246.80 MA 2506 248.96 ND 3899 243.02 VA 5108 228.11 DE 1099 287.44 MA 2506 248.04 ND 3809 273.44 WA 5306 280.55 PE L 1204 316.89 M1 2604 260.27 OH 3909 273.44 WA 5306 260.88 PE L 1204 287.22 MA 2509 244.04 OH	CA	0647	224.82	LA	2204	314.28	NY	3625	266.60	TX	4826	250.08
CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0652 235.70 ME 2302 291.59 NC 3701 325.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3712 251.38 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 251.38 VA 5105 270.86 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 273.91 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 275.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 275.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 270.54 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 295.86 VA 5110 231.79 PL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 234.80 PL 1204 316.89 MI 2601 261.34 OH 3903 284.95 VA 5101 231.79 PL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5302 234.80 PL 1204 316.89 MI 2601 261.34 OH 3905 287.57 WA 5303 255.35 PL 1206 285.61 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 WA 5306 240.95 PL 1210 249.88 MI 2601 261.34 OH 3915 295.90 WA 530	CA	0648	224.82	LA	2205	321.98	NY	3626	270.45	TX	4827	229.00
CA 0650 235.70 LA 2207 307.17 NY 3628 268.37 TX 4829 277.95 CA 0651 235.62 ME 2301 272.57 NY 3629 268.26 TX 4830 279.05 CA 0652 235.70 ME 2302 291.59 NC 3701 325.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3712 251.38 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 251.38 VA 5105 270.86 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2503 273.91 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 275.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 275.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 270.54 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 295.86 VA 5110 231.79 PL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 234.80 PL 1204 316.89 MI 2601 261.34 OH 3903 284.95 VA 5101 231.79 PL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5302 234.80 PL 1204 316.89 MI 2601 261.34 OH 3905 287.57 WA 5303 255.35 PL 1206 285.61 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 WA 5306 240.95 PL 1210 249.88 MI 2601 261.34 OH 3915 295.90 WA 530		0649		LA		302.08	NY				4828	
CA 0652 235.70 ME 2302 291.59 NC 3701 325.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4902 194.50 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3708 295.65 VA 5102 291.22 CO 0807 233.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5103 335.68 CT 0903 233.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0903 233.05 MA 2503 272.89 NC 3711 251.18 VA 5107 278.86 CT 0904 237.15 MA 2504 275.28 NC 3701 293.71 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1201 287.59 MA 2509 283.39 OH 3903 284.95 VA 5110 258.25 FL 1202 287.22 MA 2509 283.39 OH 3903 284.95 VA 5111 231.79 C58.25 FL 1202 287.22 MA 2509 283.39 OH 3908 271.26 WA 5300 244.09 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1202 287.22 MI 2605 248.17 OH 3909 287.34 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 255.17 MI 2602 248.17 OH 3909 287.34 WA 5305 244.09 FL 1206 281.19 MI 2603 248.17 OH 3901 277.69 WA 5304 244.09 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2609 244.77 OH 3916 259.50 WI 5501 265.84	CA	0650	235.70	LA	2207	307.17	NY	3628	268.37	TX	4829	
CA 0652 235.70 ME 2302 291.59 NC 3701 325.75 TX 4831 258.48 CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4902 194.50 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3708 295.65 VA 5102 291.22 CO 0807 233.05 MA 2502 273.91 NC 3710 283.71 VA 5104 321.70 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3703 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.14 DA 3905 278.86 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.14 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2504 275.28 NC 3713 274.86 VA 5110 258.25 FL 1201 287.59 MA 2509 283.39 OH 3903 284.95 VA 5110 258.25 FL 1202 287.22 MA 2509 283.39 OH 3903 284.95 VA 5110 258.25 FL 1202 287.52 MA 2509 283.39 OH 3903 284.95 VA 5110 258.25 FL 1202 287.22 MI 2604 260.27 OH 3909 287.44 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 272.86 VA 5301 245.00 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1202 265.45 MI 2604 260.27 OH 3909 287.34 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 277.69 WA 5304 240.99 FL 1206 281.19 MI 2603 248.17 OH 3907 277.69 WA 5304 240.99 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5302 234.80 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5303 244.95 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5305 246.55 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 W	CA	0651	235.62	ME	2301	272.57	NY	3629	268.26	TX	4830	279.05
CA 0653 235.70 MD 2401 293.67 NC 3702 307.11 TX 4832 279.05 CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 330.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 383.71 VA 5104 321.70 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3713 274.86 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1208 262.72 MI 2604 260.27 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 239.79 FL 1204 316.89 MI 2601 261.34 OH 3905 262.93 WA 5302 234.80 FL 1205 256.17 MI 2602 248.17 OH 3905 274.60 WA 5307 259.57 FL 1207 262.33 MI 2604 260.27 OH 3909 274.64 WA 5301 245.00 FL 1208 262.72 MI 2605 278.91 OH 3901 293.79 WA 5302 234.80 FL 1207 263.33 MI 2604 260.27 OH 3909 271.26 WA 5307 239.57 FL 1207 263.33 MI 2604 260.27 OH 3901 274.64 WA 5301 245.00 FL 1211 277.62 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5307 239.57 FL 1211 277.62 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1211 277.62 MI 2605 278.91 OH 3910 293.92 WA 5308 244.02 FL 1211 277.62 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1212 265.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2610 272.66 OH 3911 277.44 WI 5506 249.39 FL 121												
CO 0801 247.17 MD 2402 300.57 NC 3703 312.42 UT 4901 188.85 CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 3303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 12.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 270.54 NC 3713 274.86 VA 5107 289.48 CT 0905 248.80 MA 2505 270.11 OH 3901 294.08 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 294.08 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3903 284.95 VA 5111 231.79 FL 1205 256.17 MI 2602 248.17 OH 3901 297.69 WA 5303 255.32 FL 1206 281.19 MI 2603 245.36 OH 3903 274.96 WA 5303 255.32 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5303 255.32 FL 1207 262.33 MI 2604 260.87 OH 3908 271.26 WA 5303 255.32 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5302 234.80 FL 1207 262.33 MI 2604 260.87 OH 3901 293.92 WA 5307 239.57 FL 1207 265.33 MI 2604 260.07 OH 3911 293.92 WA 5307 239.57 FL 1216 236.00 MI 2603 245.36 OH 3911 293.92 WA 5302 234.80 FL 1217 236.61 MI 2607 247.44 OH 3914 295.32 WA 5309 249.13 FL 1217 236.61 MI 2610 277.66 OH 3913 277.94 WV 5401 278.03 FL 1217 236.61 MI 2610 277.66 OH 3913 277.94 WV 5401 278.03 FL 1217 236.61 MI 2610 277.66 OH 3913 277.94 WV 5401 278.03 FFL 1217 236.61 MI 2610 277.66 OH 3913 277.94 WV 5401 278.03 FFL 1218 239.87 MI 2610 277.66 OH 3914 266.04 WV 5402 296.58 FL 1												
CO 0802 216.40 MD 2403 306.03 NC 3704 276.61 UT 4902 194.50 CO 0803 218.01 MD 2405 293.74 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2406 293.74 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2406 268.50 NC 3707 303.46 VA 5101 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 273.91 NC 3710 283.71 VA 5102 291.20 CT 0901 252.15 MA 2503 272.89 NC 3711 281.18 VA 5102 293.75 CT 0904												
CO 0803 218.01 MD 2404 261.33 NC 3705 270.43 UT 4903 186.38 CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0806 205.15 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5103 325.68 CT 0903 253.05 MA 2503 272.89 NC 3711 251.18 VA 5106 270.54 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5110 258.25 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2603 248.13 OH 3909 287.34 WA 5306 260.08 FL 1206 281.19 MI 2603 248.17 OH 3909 287.34 WA 5306 260.08 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5308 244.02 FL 1211 277.62 MI 2608 253.12 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1216 235.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.92 FL 1216 235.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.92 FL 1216 235.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.92 FL 1216 235.00 MI 2613 300.81 OH 3918 280.22 WI 5503 245.95 FL 1216 235.00 MI 2613 300.81 OH 3918 280.22 WI 5503 245.95 FL 121		0802										
CO 0804 217.45 MD 2405 293.74 NC 3706 269.53 VT 5099 262.46 CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.66 MA 2502 273.91 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5108 228.11 DE 1099 289.44 MA 2508 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 287.57 WA 5302 243.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 243.80 OH 3907 279.90 WA 5304 240.69 FL 1206 281.19 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3911 279.39 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.02 598.58 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.02 598.58 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.02 598.58 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 249.55 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 249.55 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5505 247.27 FL 1219 225.47 MN 2703 246.78 OK 4004 263.30												
CO 0805 230.10 MD 2406 268.50 NC 3707 303.46 VA 5101 294.08 CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3904 274.64 WA 5301 245.00 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3903 284.95 VA 5111 231.79 FL 1204 316.89 MI 2601 261.34 OH 3905 262.93 WA 5302 234.80 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5304 255.32 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 266.75 MI 2609 278.91 OH 3909 287.34 WA 5306 260.08 FL 1209 265.45 MI 2609 278.91 OH 3909 287.34 WA 5306 260.08 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 266.72 MI 2605 278.91 OH 3911 293.92 WA 5308 244.02 FL 1210 276.26 MI 2605 278.91 OH 3911 293.92 WA 5308 244.02 FL 1210 276.26 MI 2605 278.91 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5308 244.02 FL 1211 276.26 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 249.68 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5504 245.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5504 245.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5504 245.95 FL 121												
CO 0806 205.15 MD 2407 331.59 NC 3708 295.65 VA 5102 291.22 CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 231.70 CT 0902 255.68 MA 2503 272.89 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3711 251.18 VA 5105 278.86 CT 0904 237.15 MA 2504 275.28 NC 3713 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 273.38 VA 5106 270.54 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1206 281.19 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5306 260.08 FL 1208 262.72 MI 2603 245.36 OH 3903 287.92 WA 5302 234.80 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5306 260.08 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3912 283.39 WA 5308 244.02 FL 1212 276.09 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 235.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5503 244.92 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5503 244.92 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5504 249.58 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5504 249.58 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5505 247.27 FL 1216 236.00 MI 2613 300.81 OH 3918 289.22 WI 5504 249.58 FL 121												
CO 0807 223.10 MD 2408 212.85 NC 3709 280.84 VA 5103 335.68 CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5105 289.48 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1206 281.19 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3909 287.34 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5305 246.75 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 293.92 WA 5308 244.02 FL 1210 249.68 MI 2608 278.91 OH 3910 293.92 WA 5308 244.02 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2608 253.12 OH 3914 266.04 WV 5402 296.32 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 245.59 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 260.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 25.79 WI 5506 248.00 FL 1210 249.68 MI 2610 272.66 OH 3915 279.34 WV 5403 298.58 FL 1216 236.00 MI 2613 300.81 OH 3918 260.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 260.22 WI 5503 244.95 FL 1216												
CT 0901 252.15 MA 2501 266.20 NC 3710 283.71 VA 5104 321.70 CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2503 272.89 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5300 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5300 240.69 FL 1208 262.72 MI 2603 245.36 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3904 271.64 WA 5306 260.08 FL 1207 249.68 MI 2607 263.88 OH 3909 287.34 WA 5306 246.75 FL 1207 246.33 MI 2604 260.27 OH 3909 287.34 WA 5306 246.08 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5307 239.57 FL 1210 249.68 MI 2607 263.88 OH 3911 293.92 WA 5309 249.13 FL 1211 277.62 MI 2609 247.44 OH 3912 293.92 WA 5309 249.13 FL 1211 277.62 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1212 245.50 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1212 245.60 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1212 245.60 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1212 245.60 MI 2610 247.66 OH 3915 293.41 WV 5401 278.03 FL 1212 245.60 MI 2610 247.66 OH 3917 272.68 WI 5501 255.84 FL 1215 252.94 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1216 236.00 MI 2619 247.44 OH 3914 266.04 WV 5402 296.32 FL 1214 215.92 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1212 225.69 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1212 245.60 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1212 245.60 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1212 245.60 MI 2610 272.66 OH 3915 293.41 WV 5401 278.03 FL 1216 236.00 MI 2610 272.66 OH 3915 293.41 WV 5401 295.50 247.27												
CT 0902 255.68 MA 2502 273.91 NC 3711 251.18 VA 5105 278.86 CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5111 231.79 FL 1201 287.22 MA 2509 283.39 OH 3903 284.95 VA 5301 245.00 FL 1203												
CT 0903 253.05 MA 2503 272.89 NC 3712 273.38 VA 5106 270.54 CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 26.81 OH 3911 293.92 WA 5307 239.57 FL 1211 277.62 MI 2605 278.91 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1212 265.00 MI 2609 247.44 OH 3915 293.91 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3915 293.91 WV 5402 296.32 FL 1216 236.00 MI 2609 247.44 OH 3915 293.91 WV 5401 278.03 FL 1211 277.62 MI 2611 284.77 OH 3915 293.91 WV 5401 278.03 FL 1212 265.00 MI 2610 272.66 OH 3915 293.91 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3915 293.91 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1212												
CT 0904 237.15 MA 2504 275.28 NC 3713 274.86 VA 5107 289.48 CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1206 281.19 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 263.33 MI 2604 260.27 OH 3909 287.34 WA 5305 246.75 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5309 249.13 FL 1210 249.68 MI 2606 266.81 OH 3911 293.92 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3911 293.92 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1214 215.92 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1214 215.92 MI 2618 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2618 284.77 OH 3916 259.50 WI 5501 265.84 FL 1218 239.87 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1212 265.00 MI 2618 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 235.94 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2618 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2618 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2618 284.77 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2618 284.77 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2615 272.66 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1212 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
CT 0905 246.80 MA 2505 268.96 ND 3899 243.02 VA 5108 228.11 DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3902 293.68 VA 5110 258.25 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5305 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5309 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 244.03 FL 1211 277.62 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5401 278.03 FL 1214 215.92 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2614 300.81 OH 3918 280.22 WI 5505 247.27 FL 1218 239.87 MI 2615 272.66 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2615 272.66 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2615 272.66 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MIN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1212 237.96 MIN 2701 234.69 OK 4005 273.49 WI 5506 248.00 FL 1221 237.96 MIN 2703 246.78 OK 4005 273.49 WI 5506 252.81												
DE 1099 289.44 MA 2506 270.11 OH 3901 295.76 VA 5109 274.86 DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1201 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3905 262.93 WA 5302 234.80 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5305 246.75 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1211 277.62 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1214 215.92 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2615 272.06 OK 4004 263.30 WI 5507 253.68 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5508 252.81												
DC 1198 343.78 MA 2507 271.96 OH 3902 293.68 VA 5110 258.25 FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207												
FL 1201 287.59 MA 2508 295.36 OH 3903 284.95 VA 5111 231.79 FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 <td></td>												
FL 1202 287.22 MA 2509 283.39 OH 3904 274.64 WA 5301 245.00 FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2612 263.76 OH 3917 272.68 WI 5503 244.95 FL 1216 236.00 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216 236.00 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1203 285.46 MA 2510 269.84 OH 3905 262.93 WA 5302 234.80 FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5306 260.08 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1218 239.87 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1204 316.89 MI 2601 261.34 OH 3906 287.57 WA 5303 255.32 FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2614 300.81 OH 3918 280.22 WI 5503 244.95 FL 1218 239.87 MI 2615 272.06 OK 4001 270.44 WI 5504 285.86 FL 1219 225.47 MN 2701 234.69 OK 4001 275.49 WI 5506 248.00 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1205 256.17 MI 2602 248.17 OH 3907 276.90 WA 5304 240.69 FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212												
FL 1206 281.19 MI 2603 245.36 OH 3908 271.26 WA 5305 246.75 FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213												
FL 1207 262.33 MI 2604 260.27 OH 3909 287.34 WA 5306 260.08 FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214												
FL 1208 262.72 MI 2605 278.91 OH 3910 293.92 WA 5307 239.57 FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1216												
FL 1209 265.45 MI 2606 266.81 OH 3911 293.92 WA 5308 244.02 FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216												
FL 1210 249.68 MI 2607 263.88 OH 3912 281.32 WA 5309 249.13 FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 WV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217												
FL 1211 277.62 MI 2608 253.12 OH 3913 277.94 VV 5401 278.03 FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 VV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 VV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218												
FL 1212 265.00 MI 2609 247.44 OH 3914 266.04 WV 5402 296.32 FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219												
FL 1213 225.69 MI 2610 272.66 OH 3915 293.41 WV 5403 298.58 FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4001 270.44 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220												
FL 1214 215.92 MI 2611 284.77 OH 3916 259.50 WI 5501 265.84 FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221												
FL 1215 252.94 MI 2612 263.76 OH 3917 272.68 WI 5502 235.97 FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1216 236.00 MI 2613 300.81 OH 3918 280.22 WI 5503 244.95 FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1217 238.61 MI 2614 300.81 OK 4001 270.44 WI 5504 285.86 FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1218 239.87 MI 2615 272.06 OK 4002 295.23 WI 5505 247.27 FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1219 225.47 MN 2701 234.69 OK 4003 252.79 WI 5506 248.00 FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1220 241.08 MN 2702 232.60 OK 4004 263.30 WI 5507 253.68 FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1221 237.96 MN 2703 246.78 OK 4005 273.49 WI 5508 252.81												
FL 1222 228.26 MN 2704 253.04 OR 4101 239.29 WY 5699 240.61												
	FL	1222	228.26	MIN	2/04	253.0 4	OK	4101	239.29	VVY	5677	2 4 0.61

lows a smooth distance-decay surface because major risk factors that affect cancer occurrence do not have smooth paths from the centroid to its adjacent neighboring centroids.

To make the calculations, the following steps were taken:

1. The number of people living within each census block by sex and race was determined from the 2000 U.S. census (covering 42 states, 426 congressional districts). Therefore, block population is sex- and race- specific.

- 2. Block population was spatially assigned to congressional districts by block centroids.
- 3. The age-adjusted cancer death rates for counties by sex and race were assigned to block by county FIPS (Federal Information Processing Standards) codes; FIPS codes are

Table 2: Age-adjusted death rates, all cancers combined, for US women by congressional district (CD), 1990-2001

State	CD	Rate	State	CD	Rate	State	CD	Rate	State	CD	Rate
AL	0101	178.15	FL	1223	166.84	MN	2705	167.95	OR	4102	167.81
AL	0102	169.16	FL	1224	171. 4 0	MN	2706	159.96	OR	4103	181.38
AL	0103	173.01	FL	1225	148.24	MN	2707	149.49	OR	4104	175.60
AL	0104	160.11	GA	1301	171.36	MN	2708	167.49	OR	4105	170.49
AL	0105	158.39	GA	1302	164.99	MS	2801	163.41	PA	4201	216.57
AL	0106	166.72	GA	1303	160.00	MS	2802	178.71	PA	4202	217.49
AL	0107	173.12	GA	1304	158.33	MS	2803	162.39	PA	4203	171.06
AK	0299	177.59	GA	1305	174.21	MS	2804	173.19	PA	4204	177.43
AZ	0401	150.54	GA	1306	168.46	MO	2901	184.42	PA	4205	167.87
ΑZ	0402	160.42	GA	1307	156.76	MO	2902	172.86	PA	4206	170.48
ΑZ	0403	155.51	GA	1308	166.01	MO	2903	191.43	PA	4207	185.30
ΑZ	0404	155.51	GA	1309	160.49	MO	2904	167.09	PA	4208	182.33
ΑZ	0405	155.51	GA	1310	158.41	MO	2905	180.75	PA	4209	162.09
AZ	0406	154.84	GA	1311	168.71	MO	2906	167.65	PA	4210	169.23
ΑZ	0407	143.81	GA	1312	169.92	MO	2907	166.90	PA	4211	175.65
ΑZ	0408	155.45	GA	1313	166.59	MO	2908	173.10	PA	4212	169.55
AR	0501	176.39	HI	1501	132.18	MO	2909	168.23	PA	4213	195.46
AR	0502	167.22	HI	1502	132.18	MT	3099	164.72	PA	4214	185.54
AR	0503	159.68	ID	1601	159.32	NE	3101	154.37	PA	4215	167.46
AR	0504	171.75	ID	1602	145.79	NE	3102	172.54	PA	4216	166.84
CA	0601	180.93	IL	1701	187.65	NE	3103	148.99	PA	4217	171.0 4
CA	0602	179.84	IL	1702	187.39	NV	3201	185.55	PA	4218	179.77
CA	0603	173.30	IL	1703	187.65	NV	3202	178. 4 7	PA	4219	164.61
CA	0604	171.91	IL	1704	187.65	NV	3203	185.55	RI	440 I	176.99
CA	0605	174.43	IL	1705	187.65	NH	3301	184.05	RI	4402	181.40
CA	0606	174.68	IL	1706	171.34	NH	3302	177.78	SC	4501	168.40
CA	0607	172.79	IL	1707	187.65	NJ	3401	197.38	SC	4502	169.68
CA	0608	160.82	IL	1708	183.94	NĴ	3402	194.20	SC	4503	160.68
CA	0609	171.62	IL	1709	187.65	NĴ	3403	187.01	SC	4504	163.56
CA	0610	171.36	IL	1710	184.25	NJ	3404	189.04	SC	4505	170.43
CA	0611	166.00	IL	1711	176.79	NJ	3405	181.48	SC	4506	170.50
CA	0612	163.35	IL	1712	182.42	NJ	3406	189.45	SD	4699	155.91
CA	0613	171.63	IL	1713	170.69	NJ	3407	175.40	TN	4701	163.70
CA	0614	155.60	IL	1714	173.48	NJ	3408	186.04	TN	4702	166.03
CA	0615	150.41	IL	1715	169.81	NJ	3409	179.94	TN	4703	170.24
CA	0616	150.41	IL	1716	173.31	NJ	3410	190.31	TN	4704	166.86
CA	0617	159.08	IL	1717	169.35	NJ	3411	178.32	TN	4705	181.74
CA	0618	167.37	IL	1718	175. 4 6	NJ	3412	185.32	TN	4706	166.05
CA	0619	160.90	IL	1719	171.91	NJ	3413	185.44	TN	4707	171.72
CA	0620	160.07	IN	1801	187.73	NM	3501	152.60	TN	4708	172.99
CA	0621	155.17	IN	1802	174.13	NM	3502	148.21	TN	4709	191.57
CA	0622	167.90	IN	1803	171.04	NM	3503	145.39	TX	480 I	170.48
CA	0623	156.79	IN	1804	175.19	NY	3601	193.45	TX	4802	179.62
CA	0624	159.18	IN	1805	174.37	NY	3602	192.13	TX	4803	158.43
CA	0625	165.29	IN	1806	173.27	NY	3603	180.21	TX	4804	171.21
CA	0626	167.46	IN	1807	195.50	NY	3604	175.92	TX	4805	174.87
CA	0627	163.44	IN	1808	174.00	NY	3605	159.07	TX	4806	173.74
CA	0628	163.44	IN	1809	174.32	NY	3606	154.59	TX	4807	174.78
CA	0629	163.44	IA	1901	167.19	NY	3607	167.00	TX	4808	175.14
CA	0630	163.44	IA	1902	160.01	NY	3608	169.61	TX	4809	184.12
CA	0631	163.44	IA	1903	166.60	NY	3609	157.90	TX	4810	161.79
CA	0632	163.44	IA	1904	155.81	NY	3610	165.33	TX	4811	162.37
CA	0633	163.44	IA	1905	158.63	NY	3611	165.35	TX	4812	173.24
CA	0634	163.44	KS	2001	150.79	NY	3612	164.75	TX	4813	166.63
CA	0635	163.44	KS	2002	16 4 .11	NY	3613	180.01	TX	4814	161.32
CA	0636	163.44	KS	2003	162.29	NY	3614	168.07	TX	4815	130.06
CA	0637	163.44	KS	2004	167.47	NY	3615	173.80	TX	4816	150.47
CA	0638	163.44	KY	2101	169.41	NY	3616	175.64	TX	4817	163.78
CA	0639	163.44	KY	2102	175.24	NY	3617	173.76	TX	4818	174.78

Table 2: Age-adjusted death rates, all cancers combined, for US women by congressional district (CD), 1990-2001 (Continued)

Table 2: A	ge-aujusteu	death rates), 1770–20		
CA	0640	158.89	KY	2103	193.34	NY	3618	170.09	TX	4819	158.33
CA	0641	171.99	KY	2104	188.93	NY	3619	184.37	TX	4820	159.07
CA	0642	162.99	KY	2105	194.13	NY	3620	182.40	TX	482 I	156.84
CA	0643	173.93	KY	2106	182.99	NY	3621	181.17	TX	4822	163.94
CA	0644	162.59	LA	2201	185.99	NY	3622	184.58	TX	4823	145.28
CA	0645	163.17	LA	2202	195.03	NY	3623	181.55	TX	4824	173.40
CA	0646	160.07	LA	2203	183.13	NY	3624	172.75	TX	4825	173.48
CA	0647	158.89	LA	2204	181.02	NY	3625	177.64	TX	4826	166.78
CA	0648	158.89	LA	2205	178.98	NY	3626	178.41	TX	4827	145.93
CA	0649	165.98	LA	2206	180.49	NY	3627	181.68	TX	4828	145.40
CA	0650	167.74	LA	2207	187.87	NY	3628	178.66	TX	4829	174.78
CA	0651	164.39	ME	2301	184.93	NY	3629	181.02	TX	4830	173.69
CA	0652	167.74	ME	2302	183.09	NC	3701	174.50	TX	483 I	160.07
CA	0653	167.74	MD	2 4 01	188.54	NC	3702	165.66	TX	4832	173.69
CO	1080	162.28	MD	2402	192.89	NC	3703	174.10	UT	4901	123.40
CO	0802	153.27	MD	2403	196.95	NC	3704	170.87	UT	4902	131.73
CO	0803	147.33	MD	2404	174.28	NC	3705	155.94	UT	4903	127.35
CO	0804	147.02	MD	2405	189.44	NC	3706	162.13	VT	5099	172.62
CO	0805	153.67	MD	2406	169.34	NC	3707	168.11	VA	5101	180.85
CO	0806	153.08	MD	2407	205.58	NC	3708	169.12	VA	5102	184.69
CO	0807	153.73	MD	2408	150.96	NC	3709	168.36	VA	5103	197.48
CT	0901	167.11	MA	2501	174.47	NC	3710	157.81	VA	5104	186.12
CT	0902	169.98	MA	2502	178.16	NC	3711	158.78	VA	5105	163.70
CT	0903	172.06	MA	2503	178.00	NC	3712	166.97	VA	5106	163.67
CT	0904	167.64	MA	2504	179.23	NC	3713	165.79	VA	5107	176.21
CT	0905	167.56	MA	2505	179.67	ND	3899	156.30	VA	5108	165.17
DE	1099	190.49	MA	2506	179.61	OH	3901	193.84	VA	5109	166.02
DC	1198	203.38	MA	2507	181.29	OH	3902	190.45	VA	5110	170.94
FL	1201	170.38	MA	2508	190.60	OH	3903	185.18	VA	5111	168.97
FL	1202	177.20	MA	2509	188.59	OH	3904	171.76	WA	5301	171.78
FL	1203	180.69	MA	2510	184.62	OH	3905	164.79	WA	5302	169.26
FL	1204	187.94	MI	2601	170.39	OH	3906	179.70	WA	5303	176.09
FL	1205	165.25	MI	2602	161.41	OH	3907	182.23	WA	5304	163.04
FL	1206	174.62	MI	2603	163.09	OH	3908	177.92	WA	5305	166.08
FL	1207	170.67	MI	2604	164.71	OH	3909	184.70	WA	5306	180.48
FL	1208	172.08	MI	2605	177.98	OH	3910	188.77	WA	5307	166.68
FL	1209	168.29	MI	2606	172.69	OH	3911	188.77	WA	5308	169.06
FL	1210	159.50	MI	2607	173.30	OH	3912	187.23	WA	5309	171.64
FL	1211	172.59	MI	2608	169.43	OH	3913	180.65	WV	5 4 01	178.91
FL	1212	160.52	MI	2609	171.89	OH	3914	177.31	WV	5402	186.23
FL	1213	150.69	MI	2610	175.35	OH	3915	191.61	WV	5403	191.78
FL	1214	144.66	MI	2611	185.66	OH	3916	168.52	WI	5501	173.85
FL	1215	166.13	MI	2612	173.14	OH	3917	174.30	WI	5502	160.12
FL	1216	159.77	MI	2613	191.34	OH	3918	176.73	WI	5503	156.93
FL	1217	155.30	MI	2614	191.34	OK	4001	174.42	WI	5504	183.35
FL	1218	152.52	MI	2615	181.41	OK	4002	175.25	WI	5505	164.99
FL	1219	163.40	MN	2701	150.21	OK	4003	157.63	WI	5506	163.77
FL	1220	167.15	MN	2702	161.35	OK	4004	162.63	WI	5507	158.81
FL	1221	152.17	MN	2703	167.91	OK	4005	175.18	WI	5508	157.81
FL	1222	164.56	MN	2704	172.77	OR	4101	169.53	WY	5699	164.81

a standardized set of numeric or alphabetic codes issued by the National Institute of Standards and Technology (NIST) to ensure uniform identification of geographic entities through all federal government agencies [23].

4. Cancer death rate for each congressional district by sex and race was calculated by aggregating sex- and race- specific cancer death rates over blocks. Taking non-Hispanic white men as an example, suppose that r_i was the age-

adjusted cancer death rate for block i (obtained from the corresponding county rate calculated from SEER*Stat). Suppose that a_{ij} was the population of block i within district j, and that the population for district j, $a_{.j} = \sum_i a_{ij}$,

were known. Then the aggregated cancer death rate for district j, p_j , was the summation of r_i , weighted by the proportion of block population within the dis-

County	Block	Congressional district
County A	Block A I	
•	Block A2	
	Block A3	
		Congressional district #1
County B	Block B1	
	Block B2	
	Block B3	
	•••	
County C	Block C1	Congressional district #2
	Block C2	
	Block C3	
•••	•••	

Table 3: The hierarchical spatial relationships between blocks and counties and between blocks and congressional districts

trict, $p_j = \sum_i \frac{a_{ij}}{a_{.j}} r_i$. Other sex- and race-specific cancer

death rates were calculated similarly.

5. The number of cancer deaths for each congressional district by sex and race was calculated by aggregating the sexand race- specific number of cancer deaths over blocks. The number of cancer deaths for a block was the product of crude death rate for the block (inherited from the corresponding county, which is the number of deaths for the county divided by the county population) and the block population. Again, taking non-Hispanic white men as an example, suppose that n_i and c_i were the number of deaths and the population for the county to which block i belongs, the crude death rate for block i was $\frac{n_i}{c_i}$. Given a_{ij} was the population of block i within district j, then the number of deaths for block i within district j was $\frac{n_i}{c_i} a_{ij}$, and the aggregated number of deaths for district j was $N_j = \sum_i \frac{n_i}{c_i} a_{ij}$. Other sex- and race- specific number of cancer deaths were calculated in a similar way.

6. The aggregated cancer death rates and the number of cancer deaths for the congressional districts (n = 426) from step 4 & 5 were exported back to GIS and linked with the other ten congressional districts (Alaska, District of Columbia, Delaware, Montana, North Dakota, South Dakota, Vermont, Wyoming, and two Hawaii districts) for producing maps. The estimates of the number of deaths were not presented separately. Instead, they were used as the criteria when mapping death rates across congres-

sional districts. Death rates based on the small number of deaths (< 20) for the study time period were considered not reliable and thus excluded.

7. Maps were generated using ArcGIS [12]. For all cancer sites combined and for each cancer site, the maps for all races combined were created by categorizing the rates into five groups. Cut points for the lowest and highest groups are approximately the 10th and 90th percentiles, except for cervical cancer which are 20th and 80th percentiles. Intervening groups are set at equal length between the lower bound cut point of 90th or 80th and the upper bound of 10th or 20th. Thus each interval represents the same absolute change over the middle range of rates, while the most extreme rates fall into the first and fifth categories. For each cancer site, to allow comparison among ethnic subgroups, the cut points for all races combined are used for race specific maps if rates are in the same range as those for all races combined. When the race specific rates fall out of the range of rates for all races combined, cut points for the exceeded portion are equally set at the length of rates in the highest category for all races combined. Cancer death rates based on the small number of deaths (< 20) are considered unstable and congressional districts with such rates are marked with hatches.

In describing the cancer burden by congressional district, we used direct age adjustment instead of indirect age adjustment because direct method is more statistically correct when the rates are being compared [24]. Direct age-adjusted death rates describe the cancer death rate each congressional district would have if it had the age-sex-race distribution of the U.S. in the year 2000. In so far as congressional districts have age-sex-race compositions different from the U.S. in 2000, the need for resources to eliminate disparities between districts might be more or less than that suggested by the results described in this paper.

Competing interests

The author(s) declare that they have no competing inter-

Authors' contributions

YH, EMW, and AJ conceived the analysis and wrote the final version of the manuscript. LWP provided technical support on the method and critically revised the manuscript. MJT conceptualized and critically revised the manuscript.

Disclaimer

The views and opinions expressed in this article do not necessarily reflect those of the National Cancer Institute.

Acknowledgements

We gratefully acknowledge Dr. Lance A Waller from Rollins School of Public Health at Emory University for his comments and suggestions on the early version of the manuscript.

References

- Devesa SS, Grauman DJ, Bolt WJ, Pennello GA, Hoover RN, Fraumeni JFJ: Atlas of cancer mortality in the United States, 1950-94. Bethesda, MD: National Institutes of Health, National Cancer Institute, NIH Publication No. 99-4564; 1999.
- Freeman HP, Wingrove BK: Excess Cervical Cancer Mortality: A Marker for Low Access to Health Care in Poor Communities. Rockville, MD: National Cancer Institute, Center to Reduce Cancer Health Disparities, NIH Pub No. 05-5282; 2005.
- American Cancer Society: Cancer Facts and Figures 2006. 3.
- Atlanta , American Cancer Society; 2006. Hu TW, Bai J, Keeler TE, Barnett PG, Sung HY: **The impact of Cal**ifornia Proposition 99, a major anti-smoking law, on cigarette consumption. | Public Health Policy 1994, 15(1):26-36.
- Meier KJ, Licari MJ: The effect of cigarette taxes on cigarette consumption, 1955 through 1994. Am J Public Health 1997, 87(7):1126-1130.
- Peterson DE, Zeger SL, Remington PL, Anderson HA: The effect of state cigarette tax increases on cigarette sales, 1955 to 1988. Am J Public Health 1992, 82(1):94-96.
- Haenzsel W, M.B. S, Miller HP: Tobacco smoking patterns in the United States. In Public Health Monograpah 45 Washington (DC), US Government Print Off; 1955.
- Sturgeon SR, Schairer C, Grauman D, El Ghormli L, Devesa S: Trends in breast cancer mortality rates by region of the United States, 1950-1999. Cancer Causes Control 2004, 15(10):987-995.
- Jemal A, Ward E, Wu X, Martin HJ, McLaughlin CC, Thun MJ: Geographic patterns of prostate cancer mortality and variations in access to medical care in the United States. Cancer Epidemiol Biomarkers Prev 2005, 14(3):590-595.
- National Cancer Institute Cancer Statistics Branch DCCPS Surveillance Research Program: Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 9 Regs Public-Use, Nov 2003 Sub (1973-2001). Bethesda, MD; 2004.
- US Census Bureau: 108th Congressional District Summary Files, United States Census 2000. VI-D00-C108-08-USI [http:// /www.census.gov/Press-Release/www/2003/108th.html].
- Environmental Science and Research Institute (ESRI): ArcGIS Software for Windows [computer program]. Version 9.0. Redlands, CA, Environmental Science and Research Institute (ESRI); 2005
- 13. SAS Institute INC.: SAS-Statistical Analysis Software for Windows [computer program]. Version 9.0. Cary, NC, SAS Institute INC.; 2005.
- 14. Flowerdew R, Green M: Developments in areal interpolation methods and GIS. Annals of Regional Science 1992, 26:67-78.

- 15. Reibel M, Bufalino ME: Street-weighted interpolation techniques for demographic count estimation in incompatible zone systems. Environment and Planning A 2005, 37(1):127-139.
- 16. Martin D: An assessment of surface and zonal models of population. International Journal of Geographical Information Systems 1996, 10(8):973-989.
- 17. Tobler WR: Smooth Pycnophylactic Interpolation for Geographical Regions. Journal of the American Statistical Association 1979, **74(367):**519-530.
- 18. Mennis J: Generating surface models of population using dasymetric mapping. Professional Geographer 2003, 55(1):31-42
- 19. Xie YC: The overlaid network algorithms for areal interpolation problem. Computers Environment and Urban Systems 1995, 19(4):287-306.
- 20. Gregory IN, Ell PS: Breaking the boundaries: Geographical approaches to integrating 200 years of the census. Journal of the Royal Statistical Society Series a-Statistics in Society 2005, 168:419-437.
- 21. US Census Bureau: Hierarchical relationship of census geo- $\begin{tabular}{ll} \begin{tabular}{ll} graphic entities. & $[\underline{http://www.census.gov/geo/www/cengeoga.pdf}]. \end{tabular}$
- 22. US Census Bureau: TIGER®, TIGER/Line® and TIGER-Related Products. [http://www.census.gov/geo/www/tiger/tgrcd108/ spblk I 08.txt].
- 23. US Census Bureau: Federal Information Processing Standards $\begin{tabular}{ll} \textbf{(FIPS) Codes.} & $\underline{[http://www.census.gov/geo/www/fips/fips.html]}. \end{tabular}$
- 24. Pickle LW, White AA: Effects of the choice of age-adjustment method on maps of death rates. Stat Med 1995, 14(5-7):615-627.

Publish with **Bio Med Central** and every scientist can read your work free of charge

"BioMed Central will be the most significant development for disseminating the results of biomedical research in our lifetime."

Sir Paul Nurse, Cancer Research UK

Your research papers will be:

- available free of charge to the entire biomedical community
- peer reviewed and published immediately upon acceptance
- cited in PubMed and archived on PubMed Central
- · yours you keep the copyright

Submit your manuscript here: http://www.biomedcentral.com/info/publishing_adv.asp

