

Death Master File Notes

(March 1, 2010 File Version)

by

Earl F Glynn

Earl@KansasWatchdog.org

Earl.Glynn@FranklinCenterHq.org



11 October 2010

Death Master File Notes

(March 1, 2010)

<i>Social Security Death Master File</i> _____	4
<i>Files</i> _____	4
IRE/NICAR Files _____	4
Manipulation in Access _____	5
Export to MySQL _____	6
<i>Record content</i> _____	8
Access _____	8
MySQL _____	8
SSN (Social Security Number) _____	9
Social Security Numbering Scheme _____	9
VPCODE (Verify or Proof Code) _____	11
Name _____	12
LNAME (Last Name) _____	12
FNAME (First Name) _____	13
MNAME (Middle Name) _____	14
Name Suffix _____	15
Death Date _____	16
DeathYear _____	16
DeathMon _____	17
DeathDay _____	17
Birth Date (DOB) _____	18
BirthYear _____	18
BirthMon _____	20
BirthDay _____	20
STATE Code _____	21
LastZIP (Last Residence ZIP Code) _____	23
LumpZIP (Lump Sum Payment ZIP Code) _____	24
<i>Appendix A. dmfl stats</i> _____	25
dmfl SSN3 _____	25
dmfl LastZIP3 _____	26
<i>Appendix B. Database Query Example</i> _____	28
Access _____	28
Count of Missing Values _____	30
MySQL _____	31

Death Master File Notes

(March 1, 2010)

<i>Appendix C. State Death Master Files</i>	33
Colorado	34
Florida	36
Kansas	38
Missouri	40
Nevada	42

Death Master File Notes

(March 1, 2010)

Social Security Death Master File

From <http://www.ssdmf.com/FolderID/1/SessionID/%7B584828CD-3B8A-45E3-A47A-951BF8243C90%7D/PageVars/Library/InfoManage/Guide.htm>

The Death Master File (DMF) from the Social Security Administration (SSA) contains over 65 million records created from SSA payment records. This file includes the following information on each decedent, if the data are available to the SSA: social security number, name, date of birth, date of death, state or country of residence (2/88 and prior), ZIP code of last residence, and ZIP code of lump sum payment. The SSA does not have a death record for all persons; therefore, SSA does not guarantee the veracity of the file. Thus, the absence of a particular person is not proof this person is alive.

The current file contains over 86 million records.

Ancestry.com provides an online search of the Death Master File:














<http://search.ancestry.com/search/db.aspx?dbid=3693>

Files

IRE/NICAR Files

Investigative Reporters and Editors (IRE) / National Institute for Computer Assisted Reporting (NICAR) is a convenient source for the Social Security Administration Death Master File: <http://data.nicar.org/node/49>.

The files from IRE/NICAR are in a dBase format:

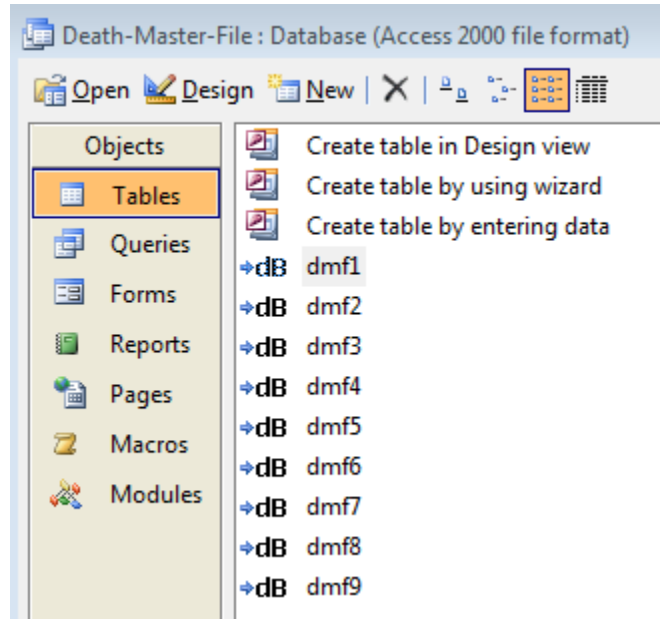
Name	Date modified	Type	Size
 dmf1.dbf	9/16/2010 11:12 AM	DBF File	1,064,454 KB
 dmf2.dbf	9/15/2010 12:49 AM	DBF File	1,064,454 KB
 dmf3.dbf	9/15/2010 1:14 AM	DBF File	1,064,454 KB
 dmf4.dbf	9/15/2010 1:40 AM	DBF File	1,064,454 KB
 dmf5.dbf	9/15/2010 8:23 AM	DBF File	1,064,454 KB
 dmf6.dbf	9/15/2010 9:55 AM	DBF File	1,064,454 KB
 dmf7.dbf	9/15/2010 10:30 AM	DBF File	1,064,454 KB
 dmf8.dbf	9/15/2010 11:13 AM	DBF File	1,064,454 KB
 dmf9.dbf	9/16/2010 10:30 AM	DBF File	709,731 KB
 layout.txt	8/23/2010 3:39 PM	TXT File	1 KB
 LEGAL.txt	10/12/2001 3:29 PM	TXT File	7 KB
 readme.txt	8/3/2010 9:27 AM	TXT File	11 KB
 recordlayout.pdf	7/28/2010 11:08 AM	Adobe Acrobat D...	154 KB

Death Master File Notes

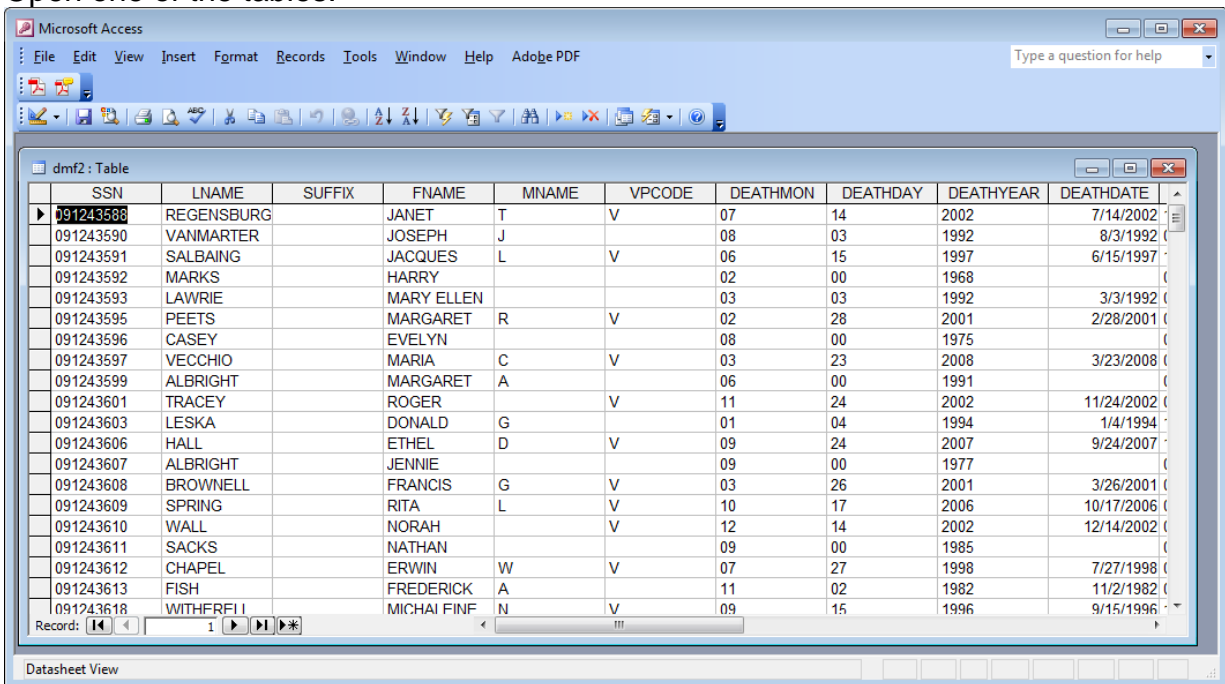
(March 1, 2010)

Manipulation in Access

The individual files can be manipulated in the Microsoft Access desktop database by treating them as linked tables (Death-Master-File.mdb):



Open one of the tables:



Death Master File Notes

(March 1, 2010)

The files appear to be in ascending order by Social Security Number

File	First SSN in File	Records
dmf1	001010001	10,000,000
dmf2	091243588	10,000,000
dmf3	183604670	10,000,000
dmf4	249541421	10,000,000
dmf5	312010277	10,000,000
dmf6	390426038	10,000,000
dmf7	440180182	10,000,000
dmf8	494016107	10,000,000
dmf9	554387352	6,667,558
TOTAL		86,667,558

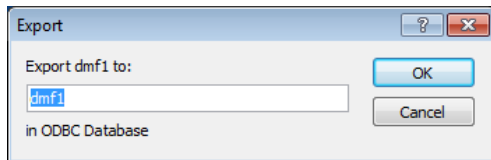
Export to MySQL

While the individual IRE/NICAR dBase files can be manipulated in Access, they cannot be combined in Access into a single table. Access has a 2 GB limit on the size of a file and the IRE/NICAR files are almost 9 GB.

Access can be used to export the dBase files to MySQL using the Export feature.

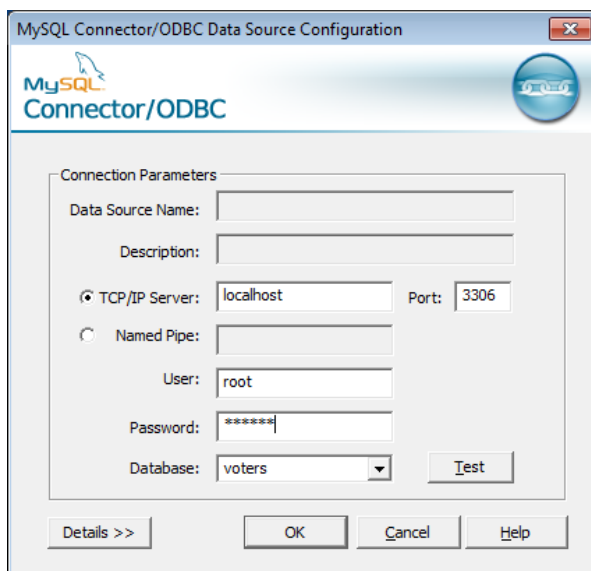
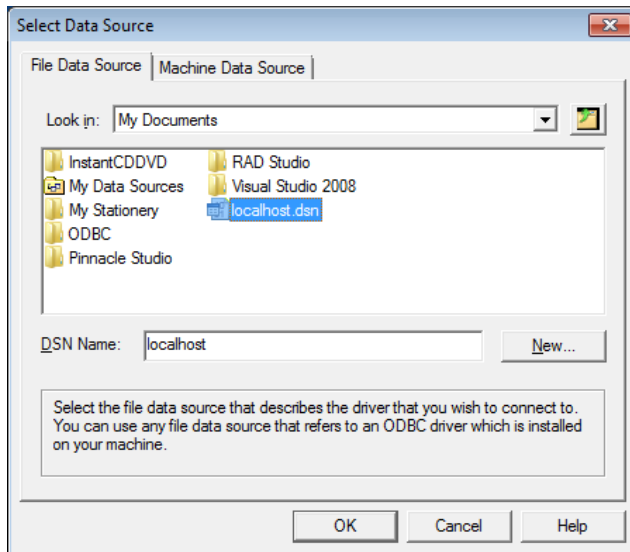
After double clicking on one of the linked tables in Access to view it, export it to MySQL:

File | Export | Save as type: ODBC Databases()



Death Master File Notes

(March 1, 2010)



All nine files can be concatenated in MySQL into a single table so a single query can be used instead of nine individual queries of the original dBase tables.

Using MySQL Workbench, merge tables dmf1 .. dmf9 into a single dmf table:

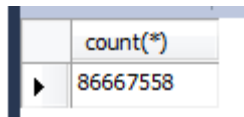
```
CREATE TABLE dmf SELECT * FROM dmf1 ;
INSERT INTO dmf SELECT * FROM dmf2 ;
INSERT INTO dmf SELECT * FROM dmf3 ;
INSERT INTO dmf SELECT * FROM dmf4 ;
INSERT INTO dmf SELECT * FROM dmf5 ;
INSERT INTO dmf SELECT * FROM dmf6 ;
INSERT INTO dmf SELECT * FROM dmf7 ;
INSERT INTO dmf SELECT * FROM dmf8 ;
INSERT INTO dmf SELECT * FROM dmf9 ;
```

Death Master File Notes

(March 1, 2010)

Verify all files were properly merged:

```
select count(*) from dmf;
```

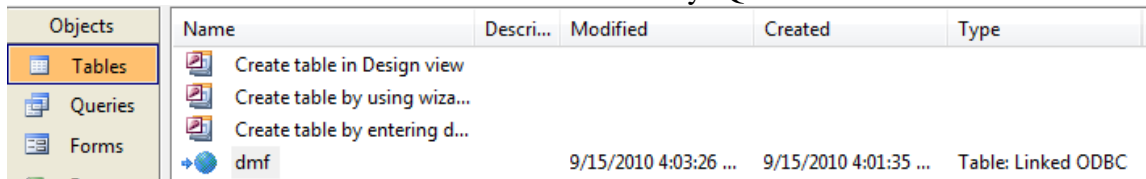


count(*)
86667558

Record content

Access

A linked table can be used to read the dmf table in MySQL.



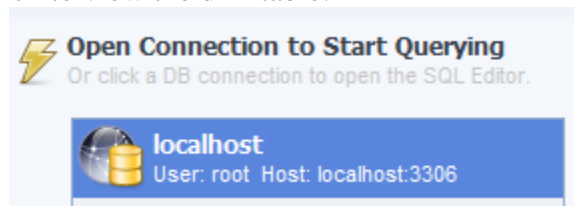
Objects	Name	Descri...	Modified	Created	Type
Tables	Create table in Design view				
Queries	Create table by using wiza...				
Forms	Create table by entering d...				
	dmf		9/15/2010 4:03:26 ...	9/15/2010 4:01:35 ...	Table: Linked ODBC

The structure of the MySQL table can be viewed in Access design mode:

Field Name	Data Type
SSN	Text
LNAME	Text
SUFFIX	Text
FNAME	Text
MNAME	Text
VPCODE	Text
DEATHMON	Text
DEATHDAY	Text
DEATHYEAR	Text
DEATHDATE	Date/Time
BIRTHMON	Text
BIRTHDAY	Text
BIRTHYEAR	Text
DOB	Date/Time
STATE	Text
LASTZIP	Text
LUMPZIP	Text

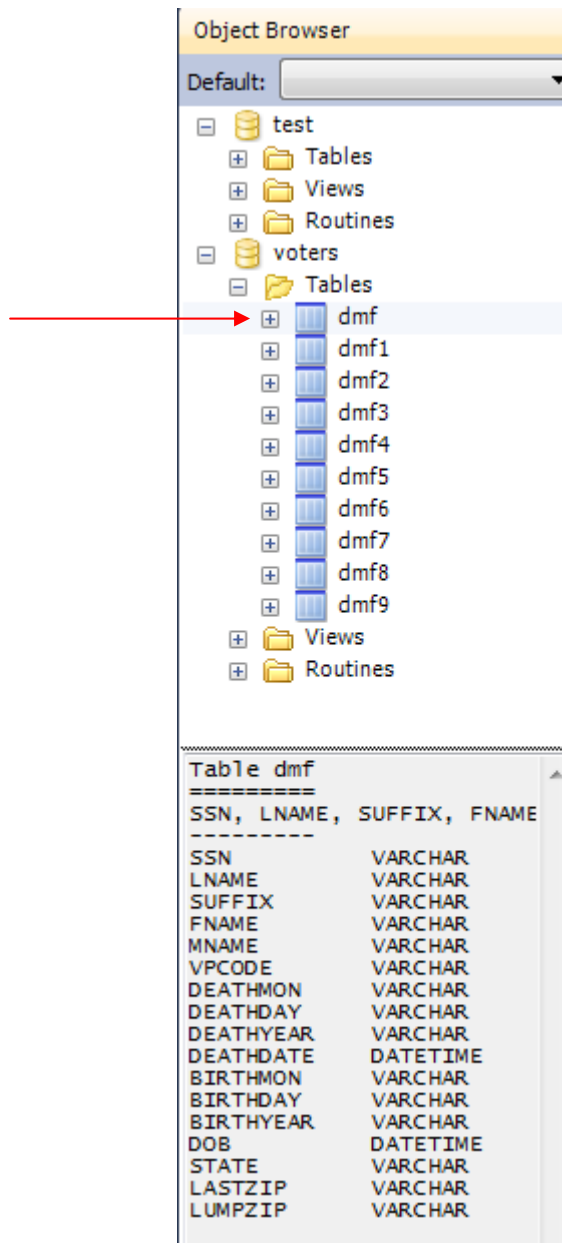
MySQL

Use MySQL Workbench to view the dmf table:



Death Master File Notes

(March 1, 2010)



See <http://data.nicar.org/files/active/0/layout.txt> for field types and lengths.

SSN (Social Security Number)

All SSNs are unique.

[No duplicates were found using VerifyUniqueSSNs query in dmf-MySQL.mdb]

Social Security Numbering Scheme

From <http://www.ssa.gov/history/ssn/geocard.html>:

Death Master File Notes

(March 1, 2010)

This is an archival or historical document and may not reflect current policies or procedures

The nine-digit SSN is composed of three parts:

- ***The first set of three digits is called the Area Number***
- ***The second set of two digits is called the Group Number***
- ***The final set of four digits is the Serial Number***

Area Number

*The Area Number is assigned by the geographical region. Prior to 1972, cards were issued in local Social Security offices around the country and the Area Number represented the State in which the card was issued. This did not necessarily have to be the State where the applicant lived, since a person could apply for their card in any Social Security office. Since 1972, when SSA began assigning SSNs and issuing cards centrally from Baltimore, the area number assigned has been based on the ZIP code in the mailing address provided on the application for the original Social Security card. The applicant's mailing address does not have to be the same as their place of residence. Thus, **the Area Number does not necessarily represent the State of residence of the applicant, either prior to 1972 or since.***

Generally, numbers were assigned beginning in the northeast and moving westward. So people on the east coast have the lowest numbers and those on the west coast have the highest numbers.

Note: One should not make too much of the "geographical code." It is not meant to be any kind of useable geographical information.

Also see:

- Social Security Number Allocations
<http://www.ssa.gov/employer/stateweb.htm>
- Social Security Number
http://en.wikipedia.org/wiki/Social_Security_number

Death Master File Notes

(March 1, 2010)

VPCODE (Verify or Proof Code)

VPCODE	Count
<missing>	53,275,079
P	7,153,856
V	26,238,623
TOTAL	86,667,558

From <https://dmf.ntis.gov/recordlayout.pdf>

V = (verified) report verified with a family member or someone acting on behalf of the family

P = (proof) death certificate observed

[VPCoDeCounts query in dmf-MySQL.mdb]

Death Master File Notes

(March 1, 2010)

Name

LNAME (Last Name)

Top 100 of 1,763,308 unique last names.

Rank	Count	LNAME
1	855,710	SMITH
2	643,264	JOHNSON
3	498,385	WILLIAMS
4	478,620	BROWN
5	469,505	JONES
6	414,613	MILLER
7	372,477	DAVIS
8	286,188	ANDERSON
9	281,196	WILSON
10	250,558	MOORE
11	250,292	TAYLOR
12	233,520	MARTIN
13	229,843	THOMAS
14	229,087	THOMPSON
15	226,977	WHITE
16	215,379	JACKSON
17	203,076	HARRIS
18	198,740	CLARK
19	175,192	LEWIS
20	172,762	WALKER
21	169,083	HALL
22	166,895	ROBINSON
23	163,874	YOUNG
24	163,661	ALLEN
25	156,573	NELSON
26	155,696	KING
27	154,010	WRIGHT
28	150,143	BAKER
29	149,092	HILL
30	146,192	ADAMS
31	145,839	LEE
32	145,006	GREEN
33	144,405	SCOTT
34	132,284	CAMPBELL
35	129,653	ROBERTS
36	129,009	MITCHELL
37	128,636	PHILLIPS
38	123,291	CARTER
39	122,264	EVANS
40	118,291	TURNER
41	114,189	PARKER
42	112,912	MURPHY
43	112,555	MORRIS
44	111,727	STEWART
45	110,213	COLLINS
46	109,814	COOK
47	109,436	EDWARDS
48	106,493	PETERSON
49	105,934	ROGERS
50	96,722	MORGAN
51	96,477	BELL
52	96,184	REED
53	95,918	WOOD
54	95,344	BAILEY
55	95,158	COOPER

Rank	Count	LNAME
56	94,087	COX
57	93,746	RODRIGUEZ
58	92,928	WARD
59	92,182	KELLY
60	88,893	GARCIA
61	87,103	BENNETT
62	87,000	GRAY
63	86,634	HOWARD
64	86,273	WATSON
65	85,450	RICHARDSON
66	84,890	HUGHES
67	84,632	MYERS
68	84,385	LONG
69	84,015	BROOKS
70	82,890	SULLIVAN
71	82,768	ROSS
72	81,782	MARTINEZ
73	81,537	PRICE
74	79,826	FISHER
75	79,676	FOSTER
76	79,369	RUSSELL
77	76,327	POWELL
78	75,881	BUTLER
79	75,058	PERRY
80	74,684	HENDERSON
81	74,644	SANDERS
82	74,368	BARNES
83	72,827	JENKINS
84	72,565	REYNOLDS
85	71,722	PATTERSON
86	71,056	JAMES
87	70,201	COLEMAN
88	70,155	GRAHAM
89	69,658	HAMILTON
90	68,569	WALLACE
91	68,205	SIMMONS
92	67,986	COLE
93	67,521	GRIFFIN
94	66,865	WEST
95	66,790	MURRAY
96	66,627	ALEXANDER
97	66,184	HAYES
98	66,076	JORDAN
99	66,007	OLSON
100	65,239	ELLIS

UniqueLastNames query in dmf-MySQL.mdb creates table LastNames-Counts. Add "Rank" AutoNumber field.

File | Export | Save As Type | Text Files | LastNames-Counts.csv

Death Master File Notes

(March 1, 2010)

FNAME (First Name)

Top 100 of 730,956 unique first names.

Rank	Count	FNAME
1	2,372,752	JOHN
2	1,957,119	MARY
3	1,953,516	WILLIAM
4	1,727,026	JAMES
5	1,467,235	ROBERT
6	1,165,820	CHARLES
7	1,104,902	GEORGE
8	1,079,815	JOSEPH
9	797,376	HELEN
10	730,792	FRANK
11	728,098	MARGARET
12	690,333	EDWARD
13	659,659	THOMAS
14	635,005	DOROTHY
15	626,381	ANNA
16	600,152	RICHARD
17	568,157	RUTH
18	526,982	ELIZABETH
19	521,240	WALTER
20	502,887	HENRY
21	463,436	PAUL
22	452,762	HARRY
23	447,658	DAVID
24	431,973	DONALD
25	429,432	ARTHUR
26	409,599	HAROLD
27	399,005	ALBERT
28	388,055	J
29	381,178	MARIE
30	379,582	RAYMOND
31	374,350	FRANCES
32	373,350	MILDRED
33	373,001	MICHAEL
34	359,888	ALICE
35	348,056	FLORENCE
36	337,614	FRED
37	334,800	ROSE
38	316,570	LOUIS
39	311,773	CARL
40	305,982	CLARENCE
41	303,061	WILLIE
42	299,326	BETTY
43	298,724	LILLIAN
44	293,651	ETHEL
45	291,467	KENNETH
46	291,366	RALPH
47	281,414	VIRGINIA
48	269,277	EDNA
49	267,848	CATHERINE
50	264,884	MARTHA
51	262,205	GRACE

Rank	Count	FNAME
52	259,660	ROY
53	259,128	EVELYN
54	254,286	LOUISE
55	251,525	IRENE
56	249,468	ERNEST
57	244,814	GLADYS
58	242,684	EMMA
59	235,859	EARL
60	235,792	HOWARD
61	235,487	JACK
62	235,015	CLARA
63	232,334	EDITH
64	231,141	R
65	230,296	SAMUEL
66	229,487	JOSEPHINE
67	226,353	BARBARA
68	224,163	BERTHA
69	223,664	MARIA
70	221,556	ANNIE
71	221,200	HAZEL
72	218,873	GERTRUDE
73	216,517	ANTHONY
74	214,931	LAWRENCE
75	206,465	DORIS
76	204,189	EUGENE
77	202,967	ESTHER
78	200,939	DANIEL
79	197,695	HERBERT
80	197,582	ALFRED
81	197,345	JOE
82	197,318	FRANCIS
83	194,573	IDA
84	193,324	RUBY
85	192,714	PETER
86	192,200	MARION
87	191,919	SARAH
88	185,589	ANDREW
89	183,591	MABEL
90	182,551	BESSIE
91	181,921	M
92	181,456	JULIA
93	178,597	C
94	178,003	PATRICIA
95	177,528	AGNES
96	177,271	ELSIE
97	176,590	MINNIE
98	176,024	EVA
99	170,390	STANLEY
100	170,323	PAULINE

UniqueFirstNames query in dmf-MySQL.mdb creates table FirstNames-Counts. Add "Rank" AutoNumber field.

File | Export | FirstNames-Counts.csv

Death Master File Notes

(March 1, 2010)

MNAME (Middle Name)

Top 100 of 120,335 unique middle names

Rank	Count	MNAME
1	49,870,874	<missing>
2	3,960,713	M
3	3,515,838	L
4	3,251,056	E
5	3,056,073	A
6	2,926,483	J
7	1,997,119	C
8	1,969,472	R
9	1,651,774	W
10	1,596,426	H
11	1,484,566	B
12	1,453,203	D
13	1,347,351	F
14	1,195,520	G
15	1,193,500	S
16	939,760	P
17	821,613	T
18	601,000	K
19	575,097	V
20	418,039	N
21	406,185	I
22	385,469	O
23	74,449	Y
24	58,672	LEE
25	52,506	ANN
26	44,771	MARIE
27	39,179	Z
28	35,753	MAE
29	28,544	JEAN
30	27,703	U
31	27,659	EDWARD
32	25,889	LOUISE
33	23,058	Q
34	22,763	ELIZABETH
35	22,739	JOSEPH
36	21,940	WILLIAM
37	19,104	JAMES
38	17,973	EUGENE
39	17,514	JOHN
40	15,237	RAY
41	14,264	WAYNE
42	13,739	JANE
43	13,532	ALLEN
44	13,326	LYNN
45	12,621	ROBERT
46	12,256	THOMAS
47	12,206	CHARLES
48	11,847	RUTH
49	11,578	MICHAEL
50	11,369	MARY
51	11,105	HENRY
52	10,093	DAVID
53	9,809	PAUL

Rank	Count	MNAME
54	9,380	RICHARD
55	9,337	FRANCIS
56	9,087	DEAN
57	8,945	MAY
58	8,892	X
59	8,873	EARL
60	8,817	ANTHONY
61	8,419	IRENE
62	8,114	GEORGE
63	8,098	SUE
64	7,868	FRANCES
65	7,374	ARTHUR
66	7,330	LOU
67	7,228	ELLEN
68	7,221	LEROY
69	7,092	MARGARET
70	6,914	KAY
71	6,643	ROSE
72	6,630	DALE
73	6,441	ANNE
74	6,421	LOUIS
75	6,405	ELAINE
76	5,883	ALBERT
77	5,874	LUCILLE
78	5,633	HELEN
79	5,536	ALAN
80	5,535	RAYMOND
81	5,467	GENE
82	5,361	FRANK
83	5,341	FRANKLIN
84	5,306	FAYE
85	5,247	JUNE
86	5,081	JO
87	5,064	ALICE
88	4,857	ANDREW
89	4,838	EVELYN
90	4,675	VIRGINIA
91	4,458	LEWIS
92	4,330	CATHERINE
93	4,251	DOUGLAS
94	4,240	EDWIN
95	4,223	HOWARD
96	4,201	JOYCE
97	4,130	PATRICK
98	4,115	HAROLD
99	4,057	JOE
100	4,056	WALTER

57.5% are missing middle name

UniqueMiddleNames query in dmf-MySQL.mdb creates table MiddleNames-Counts. Add "Rank" AutoNumber field.

File | Export | MiddleNames-Counts.csv

Death Master File Notes

(March 1, 2010)

Name Suffix

SUFFIX	Count
<missing>	86,552,368
I	718
II	3,144
III	5,507
IV	437
IX	3
JR	78,849
SR	26,250
V	176
VI	98
VII	5
VIII	3
TOTAL	86,667,558

Suffix is rarely used.

MakeSuffixCounts query in dmf-MySQL.mdb
creates table Suffix-Counts.

Death Master File Notes

(March 1, 2010)

Death Date

Frequency Counts

Death Date is a NICAR-created field (mm/dd/yyyy) combining DeathYear, DeathMon, and DeathDay when they all exist.

DeathYear

DEATH YEAR	Count
1899	1
1900	88
1901	21
1902	21
1903	26
1904	24
1905	27
1906	19
1907	44
1908	34
1909	48
1910	26
1911	42
1912	40
1913	43
1914	43
1915	41
1916	34
1917	52
1918	36
1919	116
1920	106
1921	57
1922	54
1923	46
1924	51
1925	38
1926	55
1927	49
1928	59
1929	55
1930	69
1931	67
1932	41
1933	57

DEATH YEAR	Count
1934	49
1935	60
1936	78
1937	648
1938	1,593
1939	2,024
1940	2,817
1941	3,502
1942	5,686
1943	7,184
1944	13,916
1945	13,693
1946	9,919
1947	11,667
1948	13,051
1949	14,711
1950	18,553
1951	22,381
1952	27,650
1953	33,211
1954	37,523
1955	44,447
1956	52,689
1957	62,892
1958	70,326
1959	78,568
1960	90,481
1961	99,160
1962	300,618
1963	656,578
1964	676,085
1965	747,502
1966	1,044,505
1967	1,129,527
1968	1,220,537
1969	1,244,738
1970	1,261,373
1971	1,295,966
1972	1,562,302
1973	1,659,825
1974	1,663,563
1975	1,641,077
1976	1,694,399
1977	1,744,772
1978	1,783,278

DEATH YEAR	Count
1979	1,775,644
1980	1,851,574
1981	1,818,394
1982	1,772,159
1983	1,817,600
1984	1,839,893
1985	1,888,741
1986	1,905,518
1987	1,895,608
1988	1,863,188
1989	1,847,905
1990	1,856,204
1991	1,893,000
1992	1,953,635
1993	2,073,016
1994	2,100,045
1995	2,142,422
1996	2,150,537
1997	2,154,099
1998	2,141,535
1999	2,202,250
2000	2,230,296
2001	2,274,107
2002	2,311,451
2003	2,318,540
2004	2,274,974
2005	2,338,301
2006	2,339,149
2007	2,363,247
2008	2,429,031
2009	2,400,012
2010	378,729
TOTAL	86,667,558

1,817 errors for dates prior to 1937?

MakeDeathYearCounts query in dmf-MySQL.mdb creates table DeathYear-Counts.

Death Master File Notes

(March 1, 2010)

DeathMon

DEATHMON	Count
0	3
1	8,303,370
2	7,360,853
3	7,620,455
4	7,057,663
5	7,035,491
6	6,703,280
7	6,897,865
8	6,802,561
9	6,663,179
10	7,191,533
11	7,151,970
12	7,879,335
TOTAL	86,667,558

Missing

DeathDay

(Day of Month)

DEATHDAY	Count
0	40,282,520
1	1,662,638
2	1,458,201
3	1,473,929
4	1,496,758
5	1,457,478
6	1,454,151
7	1,450,104
8	1,453,511
9	1,450,562
10	1,451,903
11	1,449,959
12	1,450,789
13	1,445,445
14	1,447,279
15	3,622,454
16	1,442,731
17	1,444,093
18	1,441,067
19	1,441,143
20	1,448,983
21	1,436,072
22	1,435,884
23	1,437,511
24	1,433,940
25	1,430,920
26	1,433,111
27	1,431,501
28	1,433,452
29	1,330,496
30	1,297,256
31	841,717
TOTAL	86,667,558

46.5% Missing

Death Master File Notes

(March 1, 2010)

Birth Date (DOB)

Frequency Counts

DOB (date of birth) is a NICAR-created field (mm/dd/yyyy) combining BirthYear, BirthMon, and BirthDay.

109,906 have
BirthYear=0000,
BirthMon=00,
BirthDay=00

[BirthZeroCounts query in
dmf-MySQL.mdb]

BirthYear

BIRTHYEAR	Count
0000	121,322
1800	33
1801	14
1802	18
1803	13
1804	15
1805	24
1806	18
1807	26
1808	50
1809	39
1810	21
1811	31
1812	26
1813	26
1814	34
1815	25
1816	26
1817	45
1818	51
1819	56
1820	32
1821	35
1822	49
1823	43
1824	36
1825	33
1826	31
1827	29

BIRTHYEAR	Count
1828	40
1829	53
1830	26
1831	30
1832	31
1833	24
1834	23
1835	29
1836	16
1837	18
1838	32
1839	26
1840	20
1841	29
1842	32
1843	37
1844	40
1845	41
1846	49
1847	71
1848	61
1849	71
1850	42
1851	88
1852	79
1853	94
1854	91
1855	94
1856	99
1857	130
1858	173
1859	159
1860	218
1861	348
1862	509
1863	701
1864	1,103
1865	1,689
1866	2,978
1867	4,565
1868	7,065
1869	11,105
1870	17,909
1871	23,857
1872	37,497
1873	48,432
1874	67,191

BIRTHYEAR	Count
1875	89,594
1876	115,105
1877	139,351
1878	170,343
1879	206,559
1880	256,152
1881	293,192
1882	360,610
1883	403,685
1884	480,095
1885	527,299
1886	589,679
1887	630,605
1888	757,589
1889	795,291
1890	844,478
1891	909,192
1892	1,016,246
1893	1,054,567
1894	1,114,171
1895	1,168,738
1896	1,216,548
1897	1,216,811
1898	1,286,880
1899	1,256,403
1900	1,426,278
1901	1,373,740
1902	1,512,000
1903	1,551,766
1904	1,604,153
1905	1,685,740
1906	1,715,170
1907	1,802,210
1908	1,846,073
1909	1,862,117
1910	1,910,512
1911	1,909,490
1912	1,987,196
1913	1,988,743
1914	2,029,461
1915	1,978,119
1916	1,949,448
1917	1,921,550
1918	1,952,022
1919	1,854,716
1920	1,923,680
1921	1,908,768

Death Master File Notes

(March 1, 2010)

BIRTHYEAR	Count
1922	1,773,753
1923	1,697,388
1924	1,653,799
1925	1,539,281
1926	1,429,828
1927	1,362,002
1928	1,253,083
1929	1,140,430
1930	1,086,284
1931	972,294
1932	912,880
1933	813,294
1934	784,829
1935	729,584
1936	667,799
1937	629,543
1938	601,611
1939	556,846
1940	532,451
1941	516,115
1942	525,931
1943	503,285
1944	448,737
1945	407,724
1946	440,447
1947	457,389
1948	414,672
1949	391,369
1950	369,427
1951	358,813
1952	347,856
1953	331,051
1954	318,377
1955	299,026
1956	284,475
1957	268,733
1958	243,277
1959	227,107
1960	208,156
1961	189,540
1962	169,534
1963	150,499
1964	135,351
1965	114,514
1966	100,634
1967	90,171
1968	82,056

BIRTHYEAR	Count
1969	77,887
1970	75,213
1971	67,811
1972	60,785
1973	54,924
1974	52,613
1975	50,691
1976	48,571
1977	48,889
1978	46,719
1979	46,567
1980	44,953
1981	42,313
1982	39,792
1983	37,003
1984	34,394
1985	32,427
1986	29,013
1987	26,084
1988	23,829
1989	21,382
1990	19,165
1991	17,072
1992	15,309
1993	13,759
1994	12,490
1995	11,138
1996	10,560
1997	10,582
1998	10,600
1999	10,710
2000	11,534
2001	11,311
2002	11,089
2003	10,843
2004	10,530
2005	10,317
2006	10,644
2007	10,227
2008	9,070
2009	6,017
2010	135
TOTAL	86,667,558

Missing

MakeBirthYearCounts query in dmf-MySQL.mdb creates table BirthYear-Counts.

Death Master File Notes
(March 1, 2010)

BirthMon

BIRTHMON	Count
0	110,073
1	7,360,481
2	6,937,346
3	7,621,500
4	6,975,720
5	7,072,451
6	6,828,914
7	7,364,384
8	7,639,383
9	7,522,022
10	7,327,896
11	6,790,656
12	7,116,732
TOTAL	86,667,558

Missing

BirthDay

BIRTHDAY	Count
0	161,668
1	3,126,642
2	2,914,629
3	2,810,848
4	2,891,010
5	2,845,238
6	2,854,075
7	2,804,513
8	2,866,009
9	2,772,341
10	3,046,051
11	2,759,598
12	2,940,253
13	2,724,578
14	2,842,512
15	3,276,202
16	2,819,608
17	2,806,684
18	2,842,976
19	2,730,647
20	2,887,850
21	2,666,844
22	2,872,267
23	2,764,374
24	2,777,657
25	2,959,702
26	2,726,204
27	2,749,490
28	2,848,308
29	2,556,806
30	2,450,515
31	1,571,459
TOTAL	86,667,558

Missing

Death Master File Notes

(March 1, 2010)

STATE Code

State/Country Code
Residence

STATE	Count
<missing>	21,232,431
-9	1
-<	1
0	3
00	1,333
01	506,692
02	13,819
03	325,455
04	350,685
05	3,324,853
06	268,156
07	434,973
08	80,293
09	117,448
1	11
10	1,769,939
11	628,616
12	99,567
13	109,671
14	1,601,061
15	873,708
16	473,730
17	365,728
18	515,639
19	479,796
2	1
20	183,771
21	480,808
22	909,987
23	1,181,509
24	725,278
25	341,302
26	792,313
27	140,214
28	295,421
29	122,329
3	1
3\$	1
30	179,371
31	1,246,300
32	158,902
33	2,813,286

STATE	Count
34	708,239
35	99,898
36	1,810,610
37	418,941
38	417,376
39	1,967,185
4/	1
40	210,141
41	157,442
42	510,062
43	143,147
44	601,638
45	2,038,754
46	154,331
47	82,522
48	3,178
49	612,116
4O	1
5	1
50	522,583
51	304,418
52	681,210
53	43,387
54	133,366
55	11,545
56	31,858
57	5,383
58	117,327
59	12,272
60	1,165
61	10,369
62	2,462
63	478
64	636
65	1,943
67	1
7	1
70	30,654
72	3,460,180
73	2
74	2
75	1
76	2
77	3
78	1
79	1
80	1
81	2
82	1

STATE	Count
83	3
84	1
89	2
90	2
91	3
95	5
97	9
98	1
99	75
BX	60,787
FO	975,108
HC	478,034
IC	46
PE	25,490,914
SI	733,210
V8	1
VA	478,117
TOTAL	86,667,558

Errors?

See table on next page.

MakeStateCounts query in dmf-MySQL.mdb creates table State-Counts.

Death Master File Notes

(March 1, 2010)

From <https://dmf.ntis.gov/recordlayout.pdf>

DMF - STATE/COUNTRY CODE RESIDENCE (09/01)

CODE		CODE	
01	ALABAMA	35	NORTH DAKOTA
02	ALASKA	36	OHIO
03	ARIZONA	37	OKLAHOMA
04	ARKANSAS	38	OREGON
05	CALIFORNIA	39	PENNSYLVANIA
06	COLORADO	40	PUERTO RICO
07	CONNECTICUT	41	RHODE ISLAND
08	DELAWARE	42	SOUTH CAROLINA
09	DISTRICT OF COLUMBIA	43	SOUTH DAKOTA
10	FLORIDA	44	TENNESSEE
11	GEORGIA	45	TEXAS
12	HAWAII	46	UTAH
13	IDAHO	47	VERMONT
14	ILLINOIS	48	VIRGIN ISLANDS
15	INDIANA	49	VIRGINIA
16	IOWA	50	WASHINGTON
17	KANSAS	51	WEST VIRGINIA
18	KENTUCKY	52	WISCONSIN
19	LOUISIANA	53	WYOMING
20	MAINE	54	AFRICA
21	MARYLAND	55	ASIA
22	MASSACHUSETTS	56	CANADA
23	MICHIGAN	57	CENTRAL AMERICA & WEST INDIES
24	MINNESOTA	58	EUROPE
25	MISSISSIPPI	59	MEXICO
26	MISSOURI	60	OCEANIA (AUSTRALIA & ISLANDS IN THE PACIFIC)
27	MONTANA	61	PHILIPPINE ISLANDS
28	NEBRASKA	62	SOUTH AMERICA
29	NEVADA	63	AREAS UNDER U.S. ADMINISTRATION: (CANAL ZONE, CANTON ISLANDS, CAROLINE ISLANDS, MARIANA ISLANDS (OTHER THAN GUAM), MARSHALL ISLANDS, MIDWAY ISLANDS, WAKE ISLANDS)
30	NEW HAMPSHIRE	64	AMERICAN SAMOA
31	NEW JERSEY	65	GUAM
32	NEW MEXICO		
33	NEW YORK		
34	NORTH CAROLINA		

(NOTE: IF ANY ALPHA'S/OR OTHER NUMERICS SHOW IN THESE TWO CODE POSITIONS, YOU SHOULD IGNORE THEM. FOR PURPOSES, IT MEANS THAT SSA DOES NOT HAVE A STATE/COUNTRY CODE FOR YOU.)

Death Master File Notes

(March 1, 2010)

LastZIP (Last Residence ZIP Code)

Not defined for 15,951,899 (18.4%)

57,862 unique ZIPs

1,827,740 have invalid ZIP codes (16,891 unique invalid zip codes)

2.6% of LastZIPs are invalid when present

Matched against list of valid 5-digit ZIPs from <http://www.aggdata.com/free-data>
(7/1/2007, 42,741 records)

[Alternative <http://sourceforge.net/projects/zips/> from Nov 2005:

<http://sourceforge.net/projects/zips/files/>]

USPS ZIP Code Lookup to verify invalid zip: http://zip4.usps.com/zip4/citytown_zip.jsp

Top 100

Invalid LastZIPs

LASTZIP	Count
XX953	91,692
00000	74,106
XX700	56,048
XXXXX	52,031
XX800	25,451
XX701	23,715
92343	17,726
60650	16,318
XX732	15,430
02401	14,430
02146	14,013
00619	13,812
33505	13,648
33515	13,407
XX704	13,174
02154	12,620
33552	12,505
XX601	12,417
02174	12,406
XX900	12,116
XX600	11,819
11227	11,688
33516	11,643
60635	10,478
XX773	10,388
00625	9,968
00708	9,812
33450	9,710
XX703	9,241
32074	9,054
XX705	8,875
92041	8,802
33528	8,772
02172	8,758
33542	8,601

LASTZIP	Count
33940	8,484
32670	7,951
33581	7,874
92010	7,849
33580	7,605
33507	7,442
XX782	7,337
32014	7,295
60648	7,192
XX745	7,188
XX873	7,184
60642	7,138
00630	7,057
92640	7,027
32748	6,999
02178	6,967
33577	6,883
33589	6,882
XX783	6,671
33512	6,424
92381	6,420
32019	6,073
02402	6,050
91720	6,043
XX908	6,035
48024	6,027
33494	5,949
33590	5,914
32018	5,834
92011	5,755
02173	5,678
48053	5,521
32069	5,460
XX912	5,396
32741	5,196
30209	5,060
XX752	5,050

LASTZIP	Count
02181	5,045
XX902	4,984
92680	4,983
92667	4,978
92050	4,951
75502	4,858
33599	4,635
33821	4,625
02192	4,581
32017	4,549
92641	4,372
00632	4,313
22110	4,299
XX734	4,292
XX846	4,281
33563	4,264
48077	4,253
33579	4,241
60627	4,152
33533	4,148
92633	4,051
32650	3,952
92330	3,952
00661	3,949
32769	3,938
33942	3,907
33561	3,882
30207	3,858

From SortLastZIPCount query. Also see LastZIP-Counts table in dmf-MySQL.mdb.

Death Master File Notes

(March 1, 2010)

LumpZIP (Lump Sum Payment ZIP Code)

Not defined for 76,350,596 (88.0%)

48,354 unique ZIPs

313,729 have invalid ZIP codes (9,061 unique invalid zip codes)

3.0% of LumpZIPs are invalid when present

Top 100

Invalid LumpZIPs

LUMPZIP	Count
XX953	8,034
92343	4,687
XX700	4,480
33552	3,694
60650	3,511
00619	3,346
02146	3,303
02401	3,110
33590	2,896
33515	2,817
33516	2,800
33542	2,798
33450	2,768
60635	2,655
32019	2,426
00625	2,365
32670	2,325
XX600	2,325
33528	2,269
02154	2,266
XX800	2,238
XX701	2,215
00708	2,151
00630	2,114
32074	2,090
33507	2,061
32748	2,027
92011	1,953
02174	1,949
33512	1,934
02172	1,916
33505	1,889
33940	1,876
11227	1,825
32014	1,787
60642	1,782
92010	1,776
60648	1,741
33581	1,722

LUMPZIP	Count
92041	1,626
33494	1,619
32069	1,510
32741	1,465
92381	1,440
48024	1,405
92640	1,393
92680	1,335
91720	1,333
30209	1,321
33580	1,317
32077	1,315
XX900	1,312
48077	1,297
48053	1,264
33942	1,248
22110	1,247
33577	1,224
32017	1,222
33563	1,220
33452	1,212
32018	1,184
48018	1,178
XXXXXX	1,169
32650	1,167
33821	1,145
XX704	1,140
92050	1,131
92370	1,125
75502	1,122
60627	1,081
33561	1,076
00701	1,061
33599	1,049
48087	1,044
92330	1,040
48033	1,029
92621	1,014
33533	1,002
33578	1,002
33472	993

LUMPZIP	Count
30245	966
02178	958
33519	955
33575	950
48058	949
33589	938
00632	925
30050	923
92667	923
30207	914
92632	907
00661	906
92077	897
92633	883
02173	883
48013	876
00657	860
32769	841
92641	837
XX732	836

From SortLumpZIPCount query. Also see LastZIP-Counts table in dmf-MySQL.mdb.

Death Master File Notes

(March 1, 2010)

Appendix A. dmf1 stats

dmf1 SSN3

SSN3	Count
001	109508
002	101869
003	90015
004	137399
005	126368
006	119370
007	119032
008	107210
009	93967
010	101872
011	115898
012	114085
013	119532
014	113044
015	108418
016	110020
017	110749
018	106266
019	110287
020	106692
021	105041
022	108786
023	104593
024	104091
025	107891
026	104662
027	104856
028	103268
029	101688
030	102483
031	93179
032	87501
033	97649
034	98766
035	105522
036	93771

SSN3	Count
037	90213
038	83648
039	80222
040	115859
041	122351
042	122094
043	121044
044	111546
045	112041
046	111989
047	110581
048	107559
049	104896
050	109325
051	111636
052	113670
053	112856
054	113094
055	114456
056	121994
057	120067
058	124090
059	120617
060	121620
061	120987
062	116982
063	115672
064	119195
065	120116
066	120412
067	118293
068	115736
069	117988
070	118459
071	117875
072	112058
073	112199
074	113785
075	109587
076	112344
077	109091
078	108098
079	109633

SSN3	Count
080	108395
081	110537
082	111289
083	114050
084	109821
085	112723
086	111279
087	109709
088	108778
089	110028
090	109409
091	72656

Death Master File Notes

(March 1, 2010)

dmf1 LastZIP3

LastZIP3	Count
<missing>	1667137
000	4402
001	4
002	1
004	2
005	2
006	14520
007	10706
008	1343
009	11280
010	125263
011	49161
012	48533
013	25354
014	50161
015	83991
016	62706
017	70070
018	167938
019	137618
020	82727
021	455813
022	2370
...	...
098	10
099	1
100	212177
101	4156
...	...
660	665
661	191
662	1063
664	147
665	190
666	436
667	176
668	92
669	46
670	405

LastZIP3	Count
671	158
672	764
673	124
674	284
675	196
676	64
677	30
678	71
679	21
...	...
996	468
997	321
998	124
999	117
XX0	93
XX5	16
XX6	1800
XX7	50803
XX8	15991
XX9	50288
XXX	2897

all files may have records relevant to any state.

Kansas 5-digit ZIPs range from 66002 (Atchison) to 67954 (Rolla).

See

<http://www.progenealogists.com/SSDInumber.htm>

The SSN3 values in dmf1 are for New Hampshire (001-003), Maine (004-007), Vermont (008-009), Massachusetts (010-034), Rhode Island (035-039), Connecticut (040-049), New York (050-134).

But the LastZip3 values indicate several thousand likely have Kansas connections. This implies

Death Master File Notes

(March 1, 2010)

LumpZIP3	CountOfSSN
<missing>	8865172
000	1
001	3
002	1
003	3
004	2
005	7
006	2815
007	1718
008	250
009	1488
010	17026
011	7443
012	6442
013	3005
014	6661
015	10808
016	7977
017	10423
018	24390
019	18666
020	10480
021	63587
022	563
023	9166
...	...
658	62
660	92
661	34
662	131
664	31
665	36
666	51
667	23
668	15
669	5
670	33
671	14
672	104
673	18
674	41
675	34

LumpZIP3	CountOfSSN
676	17
677	8
678	13
679	2
680	48
...	...
997	49
998	25
999	6
X01	1
X02	2
X65	1
XX0	67
XX1	2
XX3	1
XX5	7
XX6	190
XX7	4318
XX8	1379
XX9	4397
XXX	581

Errors?

Kansas 5-digit ZIPs range from 66002 (Atchison) to 67954 (Rolla).

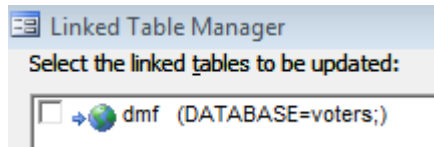
Death Master File Notes

(March 1, 2010)

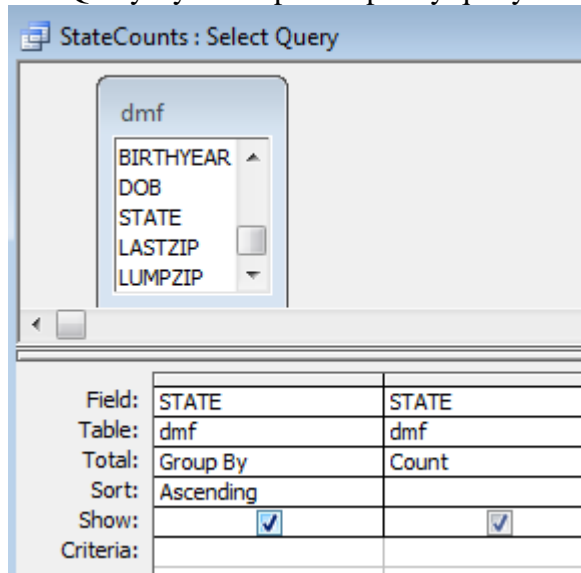
Appendix B. Database Query Example

StateCounts Example

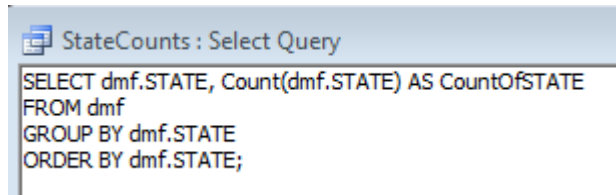
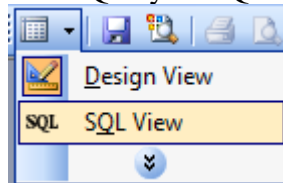
Access



Use Query-by-Example to specify query:



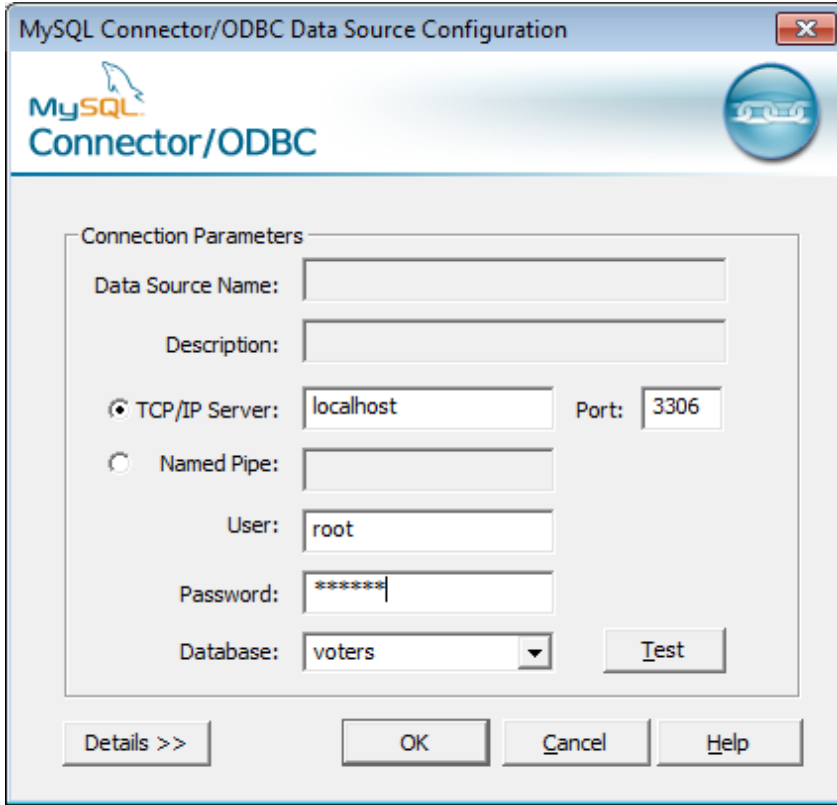
View Query as SQL



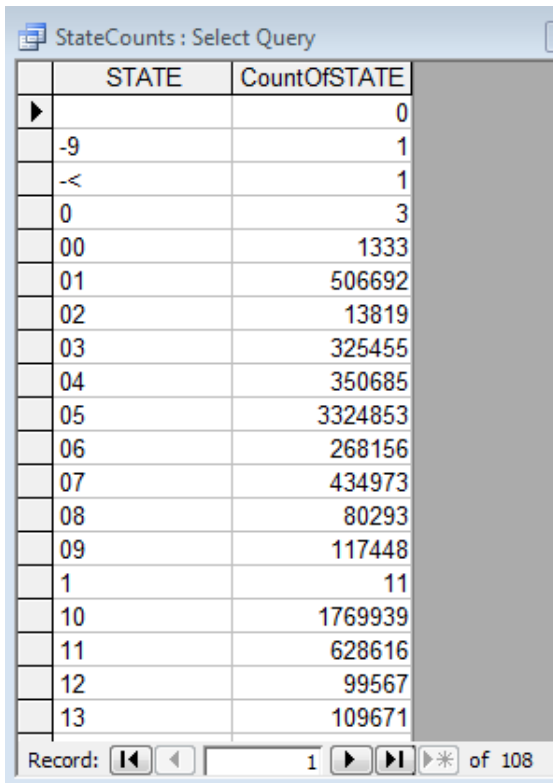
Run StateCounts Query

Death Master File Notes

(March 1, 2010)



The image shows a Windows dialog box titled "MySQL Connector/ODBC Data Source Configuration". The dialog has a header with the MySQL logo and the text "Connector/ODBC". Below the header is a section titled "Connection Parameters" which contains several input fields and a "Test" button. The fields are: "Data Source Name:" (empty), "Description:" (empty), "TCP/IP Server:" (radio button selected, text "localhost"), "Port:" (text "3306"), "Named Pipe:" (radio button unselected, empty), "User:" (text "root"), "Password:" (text "*****"), and "Database:" (dropdown menu showing "voters"). At the bottom of the dialog are buttons for "Details >>", "OK", "Cancel", and "Help".



The image shows a table window titled "StateCounts : Select Query". The table has two columns: "STATE" and "CountOfSTATE". The data is as follows:

STATE	CountOfSTATE
	0
-9	1
-<	1
0	3
00	1333
01	506692
02	13819
03	325455
04	350685
05	3324853
06	268156
07	434973
08	80293
09	117448
1	11
10	1769939
11	628616
12	99567
13	109671

At the bottom of the table, there is a record navigation bar showing "Record: 1 of 108" with navigation icons.

Death Master File Notes

(March 1, 2010)

Save query results using File | Export or by cutting and pasting into Excel or Word.

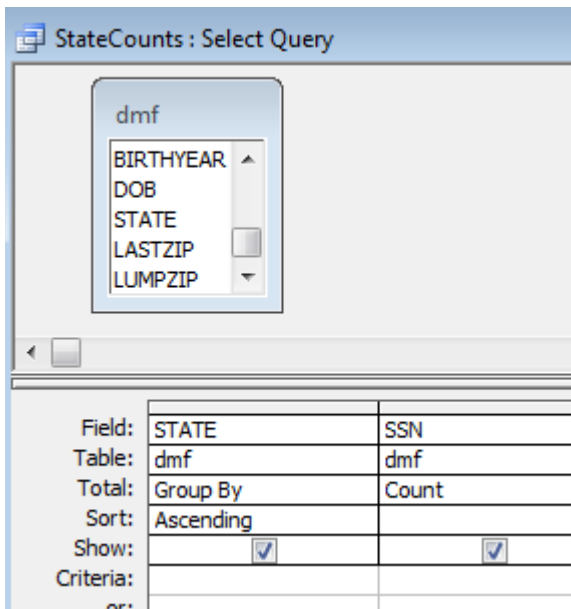
[Caution: pasting to Excel will result in loss of leading 0s in the state codes.

Export in Access seems to retrigger the query to the MySQL server, which can take several minutes.

Count of Missing Values

Note *CountOfState* values above ignored database NULL values. To get a count of the missing values, count a value that is always defined for all records. SSN can be used for this.

This query will count missing values and all other unique values:



SQL:

```
SELECT dmf.STATE, Count(dmf.SSN) AS CountOfSSN
FROM dmf
GROUP BY dmf.STATE
ORDER BY dmf.STATE;
```

STATE	CountOfSSN
	21232431
-9	1
-<	1
0	3
00	1333
01	506692
02	13819

Death Master File Notes

(March 1, 2010)

MySQL

SQL statements from Access can often be copied and run in MySQL without any changes:

The screenshot shows a MySQL command line interface. The top window displays the following SQL query:

```
1 • USE voters;
2 • SELECT dmf.STATE, Count(dmf.SSN) AS CountOfSSN
3 FROM dmf
4 GROUP BY dmf.STATE
5 ORDER BY dmf.STATE;
```

Below the query window, a status bar indicates: "SELECT dmf.STATE, Count(dmf.SSN) AS CountOfSSN... 108 row(s) returned 188.309 sec".

The bottom window shows the "Result (1)" tab with a toolbar and a table of results. The table has two columns: "STATE" and "CountOfSSN". The results are as follows:

STATE	CountOfSSN
NULL	21232431
-9	1
-<	1
0	3
00	1333
01	506692
02	13819
03	325455
04	350685
05	3324853
06	268156
07	434973
08	80293
09	117448

... .

The query results can be written to a file with this SQL statement:

```
SELECT dmf.STATE, Count(dmf.SSN) AS CountOfSSN
FROM dmf
GROUP BY dmf.STATE
ORDER BY dmf.STATE
INTO OUTFILE 'F:/Death-Master-File/StateCounts.csv'
    FIELDS TERMINATED BY ',' OPTIONALLY ENCLOSED BY '"'
    LINES TERMINATED BY '\n';
```

Death Master File Notes

(March 1, 2010)

The file **F:\Death-Master-File\StateCounts.csv** looks like this:

```
\N,21232431
"-9",1
"<",1
"0",3
"00",1333
"01",506692
"02",13819
"03",325455
"04",350685
"05",3324853
"06",268156
"07",434973
"08",80293
"09",117448
"1",11
"10",1769939
"11",628616
. . .

"98",1
"99",75
"BX",60787
"FO",975108
"HC",478034
"IC",46
"PE",25490914
"SI",733210
"V8",1
"VA",478117
```

Death Master File Notes

(March 1, 2010)

Appendix C. State Death Master Files

Several fields contain geographic information that can be used to select records from the Death Master File that may be associated with a particular state.

These fields include:

- SSN: SSN Area number: first 3 digits hint at geographic area, often near place of birth
- State: Code for state or country of residence
- LastZIP: Last Residence ZIP Code
- LumpZIP: Lump Sum Payment ZIP Code

Except for the SSN, the other fields can often be missing, so all four fields can be used as evidence of a some sort of connection to a particular state.

While this selection criteria could miss those who may have had a temporary residence in a state, excluding those without a known connection to a state should reduce the number of "false hits" if matches were made against the full Death Master File.

Death Master File Notes

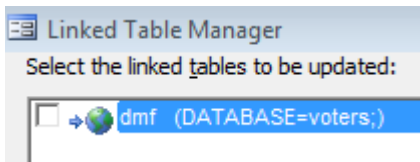
(March 1, 2010)

Colorado

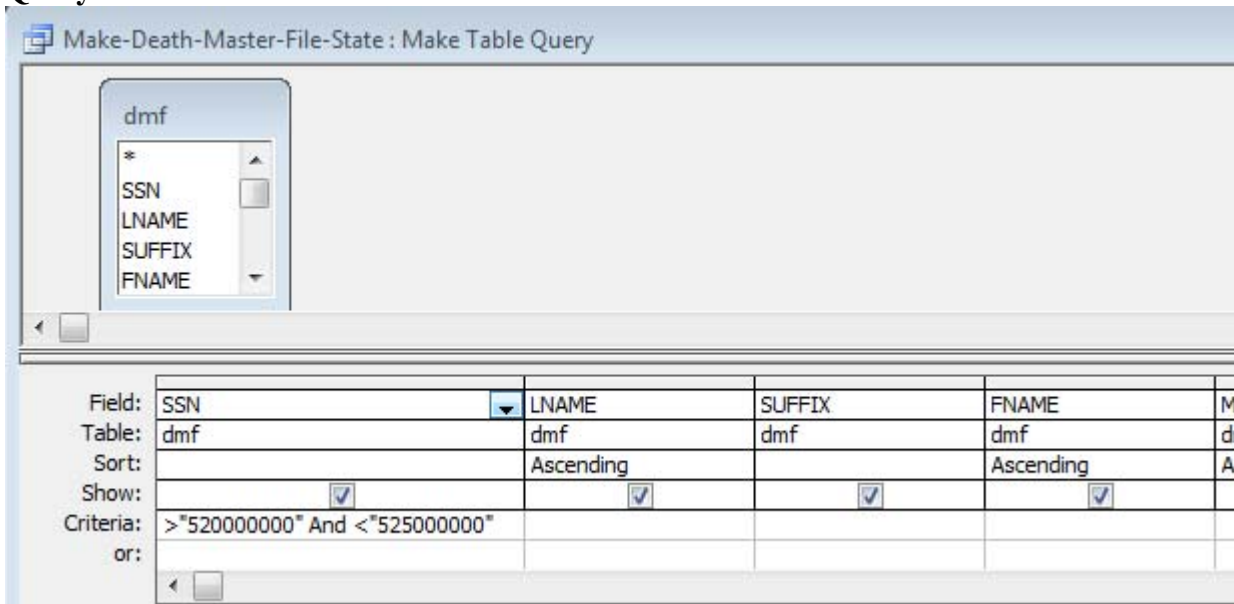
1. SSN Area Number: **521-524** <http://www.ssa.gov/employer/stateweb.htm>
2. State Code: **06** <https://dmf.ntis.gov/recordlayout.pdf>
3. Zip Code range: 80001 (Arvada) to 81658 (Vail)
http://en.wikipedia.org/wiki/ZIP_code (ZIP2 range)
<http://www.neighborhoodlink.com/zip/state/Colorado> (Zip5 range)
http://zip4.usps.com/zip4/citytown_zip.jsp (USPS Zip Code Lookup)

In F:\Death-Master-File\Access\DMF-CO.MDB file:

Linked Table to dmf table in MySQL voters database



Query Make-Death-Master-File



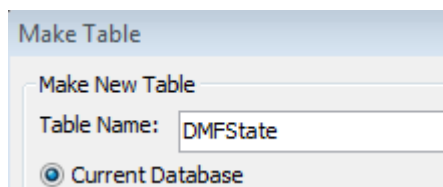
SQL:

```
SELECT dmf.SSN, dmf.LNAME, dmf.SUFFIX, dmf.FNAME, dmf.MNAME,
dmf.VPCODE, dmf.DEATHMON, dmf.DEATHDAY, dmf.DEATHYEAR,
dmf.DEATHDATE, dmf.BIRTHMON, dmf.BIRTHDAY, dmf.BIRTHYEAR,
dmf.DOB, dmf.STATE, dmf.LASTZIP, dmf.LUMPZIP INTO DMFState
FROM dmf
```

Death Master File Notes

(March 1, 2010)

```
WHERE (((dmf.SSN)>"520000000" And (dmf.SSN)<"525000000")) OR  
(((dmf.STATE)="06")) OR (((dmf.LASTZIP)>"80000" And  
(dmf.LASTZIP)<"81659")) OR (((dmf.LUMPZIP)>"80000" And  
(dmf.LUMPZIP)<"81659"))  
ORDER BY dmf.LNAME, dmf.FNAME, dmf.MNAME, dmf.DOB;
```



1,235,869 records in DMFState Table

In the Access DMFState table create an index ("Duplicates OK") on fields LNAME, FNAME, MNAME, Birthyear. [*Colorado does not provide complete birthdate.*]

Death Master File Notes

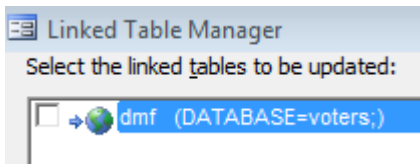
(March 1, 2010)

Florida

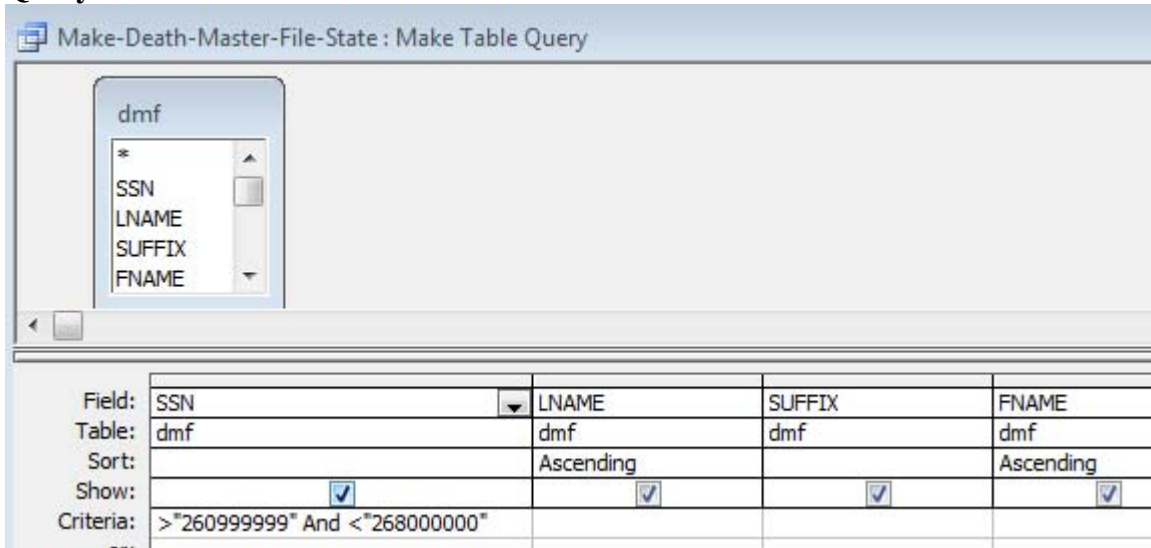
1. SSN Area Number: **261-267** <http://www.ssa.gov/employer/stateweb.htm>
2. State Code: **10** <https://dmf.ntis.gov/recordlayout.pdf>
3. Zip Code range: 32003 (Fleming Island) to 34997 (Stuart)
http://en.wikipedia.org/wiki/ZIP_code (ZIP2 range)
<http://www.neighborhoodlink.com/zip/state/Florida> (Zip5 range)
http://zip4.usps.com/zip4/citytown_zip.jsp (USPS Zip Code Lookup)

In F:\Death-Master-File\Access\DMF-FL.MDB file:

Linked Table to dmf table in MySQL voters database



Query Make-Death-Master-File



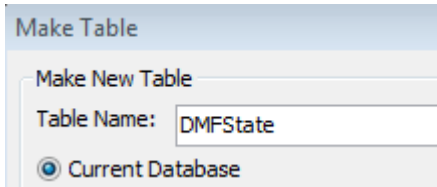
SQL:

```
SELECT dmf.SSN, dmf.LNAME, dmf.SUFFIX, dmf.FNAME, dmf.MNAME,
dmf.VPCODE, dmf.DEATHMON, dmf.DEATHDAY, dmf.DEATHYEAR,
dmf.DEATHDATE, dmf.BIRTHMON, dmf.BIRTHDAY, dmf.BIRTHYEAR,
dmf.DOB, dmf.STATE, dmf.LASTZIP, dmf.LUMPZIP INTO DMFState
FROM dmf
WHERE (((dmf.SSN)>"260999999" And (dmf.SSN)<"268000000")) OR
(((dmf.STATE)="10")) OR (((dmf.LASTZIP)>"32002" And
```

Death Master File Notes

(March 1, 2010)

```
(dmf.LASTZIP)<"34998") OR (((dmf.LUMPZIP)>"32002" And  
(dmf.LUMPZIP)<"34998"))  
ORDER BY dmf.LNAME, dmf.FNAME, dmf.MNAME, dmf.DOB;
```



records in DMFState Table

In the Access DMFState table create an index ("Duplicates OK") on fields LNAME, FNAME, MNAME, Birthyear. [*Colorado does not provide complete birthdate.*]

Death Master File Notes

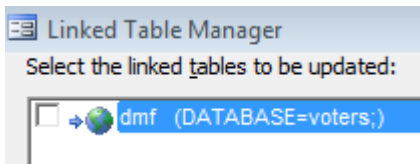
(March 1, 2010)

Kansas

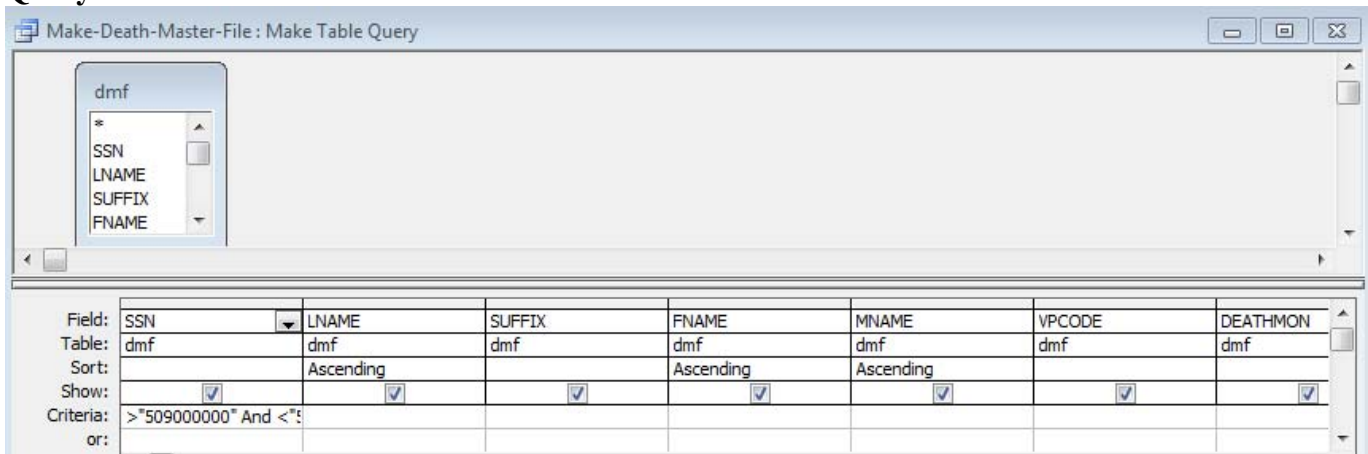
1. SSN Area Number: **509-515** <http://www.ssa.gov/employer/stateweb.htm>
2. State Code: **17** <https://dmf.ntis.gov/recordlayout.pdf>
3. Zip Code range: **66002** (Atchison) to **67954** (Rolla)
http://en.wikipedia.org/wiki/ZIP_code (ZIP2 range)
<http://www.neighborhoodlink.com/zip/state/Kansas> (ZIP5 range)
http://zip4.usps.com/zip4/citytown_zip.jsp (USPS Zip Code Lookup)

In F:\Death-Master-File\Access\DMF-KS.MDB file:

Linked Table to dmf table in MySQL voters database



Query Make-Death-Master-File

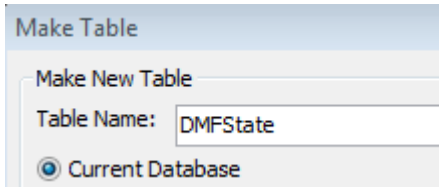


SQL:

```
SELECT dmf.SSN, dmf.LNAME, dmf.SUFFIX, dmf.FNAME, dmf.VPCODE,
dmf.DEATHMON, dmf.DEATHDAY, dmf.DEATHYEAR, dmf.DEATHDATE,
dmf.BIRTHMON, dmf.BIRTHDAY, dmf.BIRTHYEAR, dmf.DOB, dmf.STATE,
dmf.LASTZIP, dmf.LUMPZIP INTO DMFState
FROM dmf
WHERE (((dmf.SSN)>"509000000" And (dmf.SSN)<"516000000")) OR
(((dmf.STATE)="17")) OR
(((dmf.LASTZIP)>"66001" And (dmf.LASTZIP)<"67955")) OR
(((dmf.LUMPZIP)>"66001" And (dmf.LUMPZIP)<"67955"))
ORDER BY dmf.LNAME, dmf.FNAME, dmf.MNAME, dmf.DOB;
```

Death Master File Notes

(March 1, 2010)



1,260,464 records in DMFState Table

In the Access DMFState table, create an index ("Duplicates OK") on fields LNAME, FNAME, MNAME, DOB.

Index files increased the file size from 188 MB to 226 MB.

Death Master File Notes

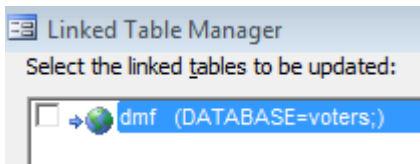
(March 1, 2010)

Missouri

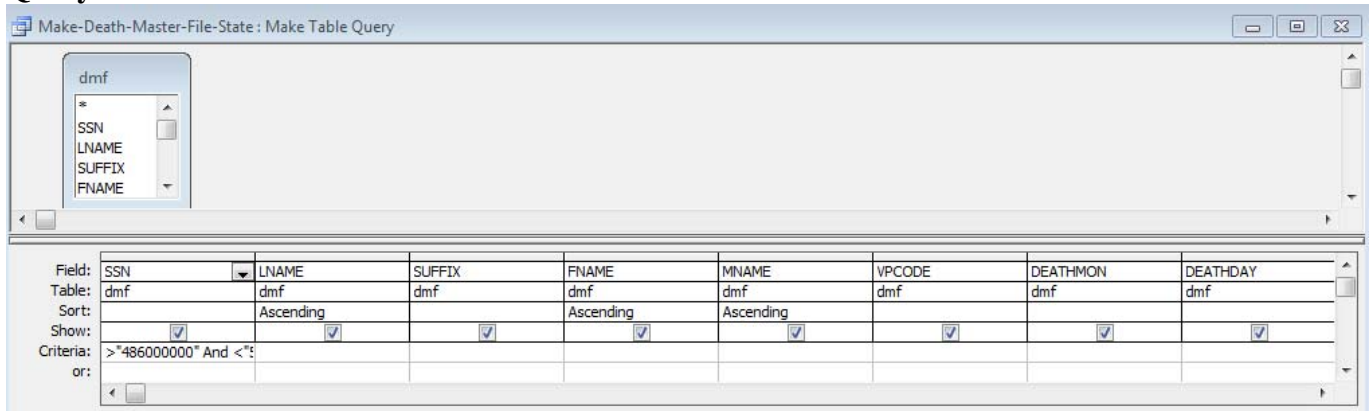
1. SSN Area Number: **486-500** <http://www.ssa.gov/employer/stateweb.htm>
2. State Code: **25** <https://dmf.ntis.gov/recordlayout.pdf>
3. Zip Code range: **63001** (Allenton) to **65899** (Springfield)
http://en.wikipedia.org/wiki/ZIP_code (ZIP2 range)
<http://www.neighborhoodlink.com/zip/state/Missouri> (Zip5 range)
http://zip4.usps.com/zip4/citytown_zip.jsp (USPS Zip Code Lookup)

In F:\Death-Master-File\Access\DMF-MO.MDB file:

Linked Table to dmf table in MySQL voters database



Query Make-Death-Master-File

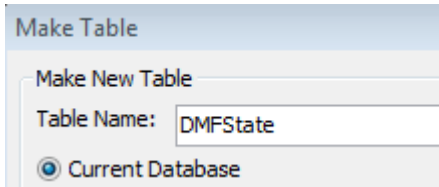


SQL:

```
SELECT dmf.SSN, dmf.LNAME, dmf.SUFFIX, dmf.FNAME, dmf.MNAME,
dmf.VPCODE, dmf.DEATHMON, dmf.DEATHDAY, dmf.DEATHYEAR,
dmf.DEATHDATE, dmf.BIRTHMON, dmf.BIRTHDAY, dmf.BIRTHYEAR,
dmf.DOB, dmf.STATE, dmf.LASTZIP, dmf.LUMPZIP INTO DMFMO
FROM dmf
WHERE (((dmf.SSN)>"486000000" And (dmf.SSN)<"501000000")) OR
(((dmf.STATE)="25")) OR
(((dmf.LASTZIP)>"63000" And (dmf.LASTZIP)<"65900")) OR
(((dmf.LUMPZIP)>"63000" And (dmf.LUMPZIP)<"65900"));
```

Death Master File Notes

(March 1, 2010)



3,068,216 records in DMFState Table

In the Access DMFState table create an index ("Duplicates OK") on fields LNAME, FNAME, MNAME, DOB.

Index files increased the file size from 451 MB to 537 MB.

Death Master File Notes

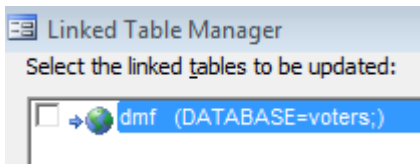
(March 1, 2010)

Nevada

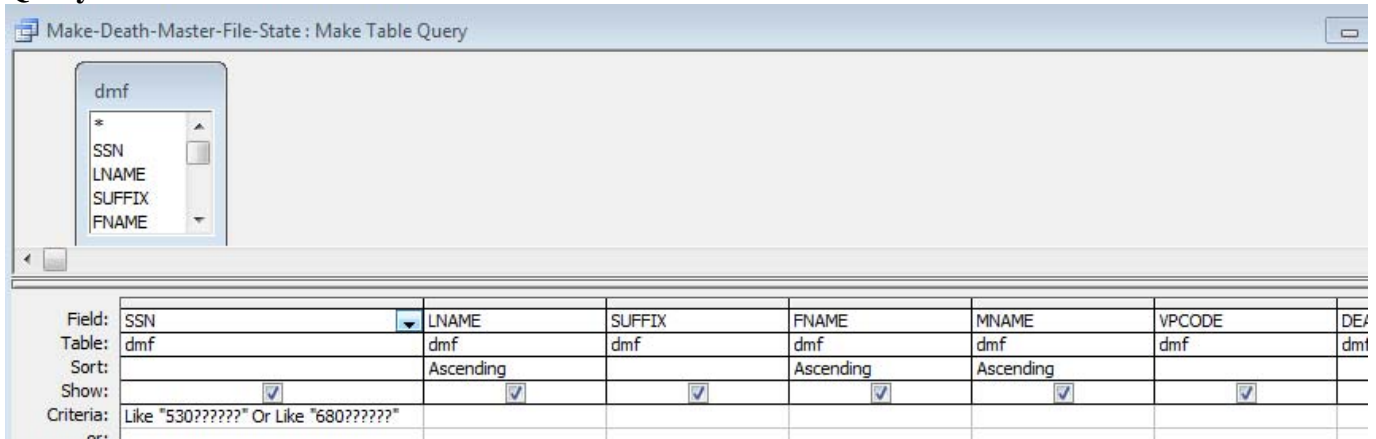
1. SSN Area Number: **530, 680** <http://www.ssa.gov/employer/stateweb.htm>
2. State Code: **29** <https://dmf.ntis.gov/recordlayout.pdf>
3. Zip Code range: 88901 (The Lakes) to 89883 (West Wendover)
http://en.wikipedia.org/wiki/ZIP_code (ZIP2 range)
<http://www.neighborhoodlink.com/zip/state/Nevada> (Zip5 range)
http://zip4.usps.com/zip4/citytown_zip.jsp (USPS Zip Code Lookup)

In F:\Death-Master-File\Access\DMF-NV.MDB file:

Linked Table to dmf table in MySQL voters database



Query Make-Death-Master-File

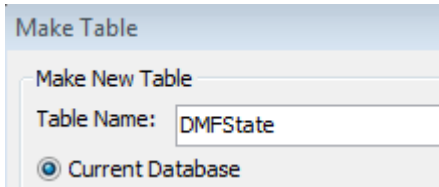


SQL:

```
SELECT dmf.SSN, dmf.LNAME, dmf.SUFFIX, dmf.FNAME, dmf.MNAME,
dmf.VPCODE, dmf.DEATHMON, dmf.DEATHDAY, dmf.DEATHYEAR,
dmf.DEATHDATE, dmf.BIRTHMON, dmf.BIRTHDAY, dmf.BIRTHYEAR,
dmf.DOB, dmf.STATE, dmf.LASTZIP, dmf.LUMPZIP INTO DMFState
FROM dmf
WHERE (((dmf.SSN) Like "530??????" Or (dmf.SSN) Like
"680??????")) OR (((dmf.STATE)="29")) OR (((dmf.LASTZIP)>"88900"
And (dmf.LASTZIP)<"89884")) OR (((dmf.LUMPZIP)>"88900" And
(dmf.LUMPZIP)<"89884"))
ORDER BY dmf.LNAME, dmf.FNAME, dmf.MNAME, dmf.DOB;
```

Death Master File Notes

(March 1, 2010)



387,153 records in DMFState Table

In the Access DMFState table create an index ("Duplicates OK") on fields LNAME, FNAME, MNAME, DOB.