

Tables

Hispanic Identification
in the
Illinois State Cancer Registry

Table 1.
Hispanic Origin Identification Elements
Illinois State Cancer Registry Data Acquisition Incidence Report Form 1985 to Present

10/85	No Specific Hispanic Origin Data Element
revised 5/89	Hispanic Origin 1=yes or 2=no Specify Ethnicity (text)
revised 1/93	Hispanic Origin 0=Non-Spanish; non-Hispanic 1=Mexican 2=Puerto Rican 3=Cuban 4=South or Central American 5=Other Spanish (includes European) 6=Spanish NOS 9=Unknown whether Spanish or not
revised 5/95	Hispanic Origin 0=Non-Spanish, non-Hispanic 1=Mexican 2=Puerto Rican 3=Cuban 4=South or Central American 5=Other Spanish (includes European) 6=Spanish NOS 7=Spanish Surname only 9=Unknown whether Spanish or not

**Table 2.
Birthplaces Relevant to Indirect Hispanic Identification**

Birthplaces Associated with High Probability of Hispanic Ethnicity

101 Puerto Rico	250 Central America including	300 South America including	443 Spain and including
	251 Guatemala	311 Colombia	443 Canary Islands
230 Mexico	252 Belize	321 Venezuela	443 Balearic Island
	253 Honduras	345 Ecuador	
241 Cuba	254 El Salvador	351 Peru	443 Andorra
	255 Nicaragua	355 Bolivia	
	256 Costa Rica	361 Chile	
	257 Panama	365 Argentina	
		371 Paraguay	
		375 Uruguay	

**Birthplaces Associated with Prevalence of Spanish Surnames but
Low Probability of Hispanic Ethnicity**

Atlantic/Caribbean Area excluding Cuba and Puerto Rico (100 102 109)	Pacific Area (120 thru 137)	South America including	Europe including Portugal (400 thru 441) (445 thru 499)
		341 Brazil	
		331 Guyana	Asia (600 thru 695)
110 Panama Canal Zone		332 Suriname	
		333 French Guiana	

Table 3.
Hispanic Surname Variable Criteria*
Hispanic Identification Study
Illinois State Cancer Registry, 1986 to 1994

Heavily Hispanic Name Variable

Males with last name in 0100 categories
Females with maiden name in 0100 categories
Females with maiden name in 0200 categories and last name in 0100 categories
Females with maiden name in 0300 categories and last name in 0100 categories
Females with maiden name in 0400 categories and last name in 0100 categories
Females with maiden name in 9000 (unknown) category and last name in 0100 categories

Heavily and Generally Hispanic Name Variable

Cases classified as Hispanic in the heavily Hispanic variable
Males with last name in 0200 categories
Females with maiden name in 0200 categories
Females with maiden name in 0300 categories and last name in 0200 categories
Females with maiden name in 0400 categories and last name in 0200 categories
Females with maiden name in 9000 (unknown) category and last name in 0200 categories

Heavily and Generally and Moderately Hispanic Name Variable

Cases classified as Hispanic in the heavily and generally Hispanic variable
Males with last name in 0300 categories
Females with maiden name in 0300 categories
Females with maiden name in 0400 categories and last name in 0300 categories
Females with maiden name in 9000 (unknown) category and last name in 0300 categories

Heavily and Generally and Moderately and Occasionally Hispanic Name Variable

Cases classified as Hispanic in the heavily and generally and moderately Hispanic variable
Males with last name in 0400 categories
Females with maiden name in 0400 categories
Females with maiden name in 9000 (unknown) category and last name in 0400 categories

*The ISCR last and maiden names by Spanish surname schematic codes used for Hispanic surname variable creation were collapsed as follows.

0100 Heavily Hispanic: Categories 0101, 0102, 0105, 0110, 0115, and 0125
0200 Generally Hispanic: Categories 0201, 0202, 0205, 0210, 0215, and 0225
0300 Moderately Hispanic: Categories 0301, 0302, 0305, 0310, 0315, and 0325
0400 Occasionally Hispanic: Categories 0405, 0410, 0415, and 0425

Table 4.
Hispanic Identifier Variables
Hispanic Identification Study
Illinois State Cancer Registry, 1986 to 1994

1. Hispanic Origin (HO) Only
2. HO and Hispanic non-U.S. Birthplace
(BP)

Spanish Surname Only

3. Heavily Hispanic
4. and Generally Hispanic
5. and Moderately Hispanic
6. and Occasionally Hispanic

Spanish Surname and BP

7. Heavily Hispanic
8. and Generally Hispanic
9. and Moderately Hispanic
10. and Occasionally Hispanic

HO and BP and Spanish Surname

11. Heavily Hispanic
12. and Generally Hispanic
13. and Moderately Hispanic
14. and Occasionally Hispanic

Table 5.

Annual Distribution of Hispanic Origin Categories
Illinois State Cancer Registry, 1986 to 1994

Category		1986-	1986	1987	1988	1989	1990	1991	1992	1993	1994
		94	No Formal Identification				ISCR Hispanic Identification				
Mexican	count	2,073	10	11	31	219	306	354	292	395	455
	% per year	0.5	0.0	0.0	0.1	0.5	0.6	0.7	0.6	0.8	0.8
Puerto Rican	count	788	4	6	20	107	102	97	119	138	195
	% per year	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.4
Cuban	count	243	1	0	2	39	39	36	29	41	56
	% per year	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
South/Central American	count	330	0	0	7	42	52	45	52	63	69
	% per year	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Spanish (incl European)	count	141	0	0	0	5	6	9	25	43	53
	% per year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Hispanic, NOS	count	2,419	16	26	58	293	360	338	431	430	467
	% per year	0.6	0.0	0.1	0.1	0.6	0.8	0.7	0.8	0.8	0.9
Spanish Surname only	count	134	0	0	0	0	0	0	2	88	44
	% per year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown	count	3,022	4	7	11	7	25	40	661	940	1,327
	% per year	0.7	0.0	0.0	0.0	0.0	0.1	0.1	1.3	1.8	2.4
Non-Hispanic	count	427,949	43,460	45,605	45,693	45,034	46,700	48,316	50,544	50,465	52,132
	% per year	97.9	99.9	99.9	99.7	98.4	98.1	98.1	96.9	95.9	95.1
Total	count	437,099	43,495	45,655	45,822	45,746	47,590	49,235	52,155	52,603	54,798

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 6.
Annual Proportion of Hispanic Cancer Cases by Ancestral Subgroup
Illinois State Cancer Registry, 1986 to 1994

Ancestral Subgroup	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Mexican	34.6	32.3	25.6	26.3	31.1	35.4	40.3	30.8	35.6	35.1
Puerto Rican	13.1	12.9	14.0	16.9	15.2	11.8	11.0	12.6	12.4	15.1
Cuban	4.1	3.2	0.0	1.7	5.5	4.5	4.1	3.1	3.7	4.3
South/Central American	5.5	0.0	0.0	5.9	6.0	6.0	5.1	5.5	5.7	5.3
Other Spanish (incl European)	2.4	0.0	0.0	0.0	0.7	0.7	1.0	2.6	3.9	4.1
Hispanic, NOS	40.4	51.6	60.5	49.2	41.6	41.6	38.5	45.5	38.7	36.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 7.
Distribution of Reported Birthplaces for Hispanic Cancer Cases
Illinois State Cancer Registry, 1986 to 1994

United States	Count	% Cases	Hispanic non-US Birthplaces	Count	% Cases	Other Birthplaces	Count	% Cases
United States NOS	52	0.9	Mexico	1,285	21.4	Brazil	5	0.1
Spanish States			Puerto Rico	627	10.5	Canal Zone	2	0.0
Illinois	820	13.7	Cuba	181	3.0	Canada	3	0.1
Texas	184	3.1	Central America NOS	7	0.1	British Colombia	5	0.1
California	16	0.3	Guatemala	72	1.2	North American Islands	2	0.0
New York	13	0.2	British Honduras	4	0.1	Haiti	1	0.0
Colorado	9	0.2	Honduras	11	0.2	Dominican Republic	9	0.2
New Mexico	9	0.2	El Salvador	16	0.3	Jamaica	1	0.0
Arizona	4	0.1	Nicaragua	9	0.2	Other Caribbean Islands	3	0.1
Florida	3	0.1	Costa Rica	4	0.1	Ireland	1	0.0
New Jersey	1	0.0	Panama	8	0.1	Scandinavia	1	0.0
Nevada	1	0.0	South America NOS	15	0.3	Sweden	1	0.0
Other States			Columbia	27	0.5	Portugal	1	0.0
Indiana	19	0.3	Venezuela	2	0.0	Italy	8	0.1
Arkansas	15	0.3	Ecuador	30	0.5	Poland	8	0.1
Michigan	12	0.2	Peru	42	0.7	Yugoslavia	1	0.0
Mississippi	11	0.2	Bolivia	10	0.2	Russia	1	0.0
Missouri	10	0.2	Chile	11	0.2	Ukraine	1	0.0
Iowa	10	0.2	Argentina	11	0.2	Lithuania	1	0.0
Minnesota	7	0.1	Uruguay	3	0.1	West Africa	2	0.0
Wisconsin	7	0.1	Spain	15	0.3	Indochina	1	0.0
Pennsylvania	6	0.1				Philippines	5	0.1
Louisiana	5	0.1				Not U.S. but Unknown	1	0.0
Kansas	5	0.1				Unknown	2,295	38.3
Ohio	4	0.1				Total	5,994	100.0
Nebraska	4	0.1						
Tennessee	3	0.1						
Washington DC	2	0.0						
Oklahoma	2	0.0						
Hawaii	2	0.0						
Kentucky	2	0.0						
Maine	1	0.0						
Maryland	1	0.0						
West Virginia	1	0.0						
Georgia	1	0.0						
North Dakota	1	0.0						
Wyoming	1	0.0						
South Dakota	1	0.0						

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 8.
Description of Cancer Cases Born in Hispanic non-U.S. Birthplaces
Illinois State Cancer Registry, 1986 to 1994

Birthplace		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
All Hispanic Non-U.S. Birthplaces	count	2,390	12	12	49	337	403	356	341	420	460
	% Hispanic	64.6	3.0	3.4	13.1	78.4	92.9	94.2	92.4	91.9	92.0
	% cases	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mexico	count	1,895	195	183	182	197	221	226	182	237	272
	% Hispanic	67.8	4.1	3.3	10.4	79.7	97.3	97.8	96.2	96.6	93.8
	% cases	51.3	49.1	51.3	48.5	45.8	50.9	59.8	49.3	51.9	54.4
Puerto Rico	count	958	101	101	118	121	100	78	102	111	126
	% Hispanic	65.4	2.0	5.9	17.8	84.3	97.0	98.7	94.1	97.3	93.7
	% cases	25.9	25.4	28.3	31.5	28.1	23.0	20.6	27.6	24.3	25.2
Cuba	count	284	29	29	31	46	38	20	21	40	30
	% Hispanic	63.7	6.9	0.0	6.5	84.8	94.7	95.0	95.2	85.0	96.7
	% cases	7.7	7.3	8.1	8.3	10.7	8.8	5.3	5.7	8.8	6.0
Central America NOS	count	19	7	0	3	2	0	0	0	1	6
	% Hispanic	36.8	0.0	0.0	33.3	50.0	0.0	0.0	0.0	0.0	83.3
	% cases	0.5	1.8	0.0	0.8	0.5	0.0	0.0	0.0	0.2	1.2
Guatemala	count	100	10	6	5	14	11	13	15	11	15
	% Hispanic	72.0	0.0	0.0	20.0	71.4	100.0	84.6	100.0	90.9	93.3
	% cases	2.7	2.5	1.7	1.3	3.3	2.5	3.4	4.1	2.4	3.0
British Honduras	count	23	2	1	2	0	2	0	2	10	4
	% Hispanic	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	50.0
	% cases	0.6	0.5	0.3	0.5	0.0	0.5	0.0	0.5	2.2	0.8
Honduras	count	25	2	2	5	2	2	3	4	3	2
	% Hispanic	44.0	0.0	0.0	0.0	100.0	0.0	33.3	100.0	100.0	50.0
	% cases	0.7	0.5	0.6	1.3	0.5	0.5	0.8	1.1	0.7	0.4
El Salvador	count	25	5	1	2	4	6	3	2	1	1
	% Hispanic	64.0	0.0	0.0	0.0	75.0	100.0	100.0	100.0	100.0	100.0
	% cases	0.7	1.3	0.3	0.5	0.9	1.4	0.8	0.5	0.2	0.2
Nicaragua	count	10	1	0	0	2	0	2	0	4	1
	% Hispanic	90.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	100.0	100.0
	% cases	0.3	0.3	0.0	0.0	0.5	0.0	0.5	0.0	0.9	0.2
Costa Rica	count	9	1	2	0	1	2	1	1	1	0
	% Hispanic	44.4	0.0	0.0	0.0	0.0	100.0	100.0	100.0	0.0	0.0
	% cases	0.2	0.3	0.6	0.0	0.2	0.5	0.3	0.3	0.2	0.0
Panama	count	23	0	2	3	4	4	1	1	4	4
	% Hispanic	34.8	0.0	0.0	0.0	25.0	50.0	0.0	100.0	50.0	50.0
	% cases	0.6	0.0	0.6	0.8	0.9	0.9	0.3	0.3	0.9	0.8
South America NOS	count	39	6	6	4	1	3	3	8	6	2
	% Hispanic	38.5	0.0	0.0	50.0	0.0	66.7	0.0	50.0	83.3	100.0
	% cases	1.1	1.5	1.7	1.1	0.2	0.7	0.8	2.2	1.3	0

Table 8. (continued)
Description of Cancer Cases Born in Hispanic Birthplaces
Illinois State Cancer Registry, 1986 to 1994

Birthplace		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Columbia	count	44	5	4	7	2	8	1	5	7	5
	% Hispanic	61.4	0.0	0.0	28.6	0.0	100.0	0.0	100.0	100.0	100.0
	% cases	1.2	1.3	1.1	1.9	0.5	1.8	0.3	1.4	1.5	1.0
Venezuela	count	5	0	0	0	1	0	1	0	1	2
	% Hispanic	40.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	50.0
	% cases	0.1	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.2	0.4
Ecuador	count	43	5	1	3	8	6	5	4	5	6
	% Hispanic	69.8	0.0	0.0	0.0	75.0	83.3	100.0	75.0	100.0	100.0
	% cases	1.2	1.3	0.3	0.8	1.9	1.4	1.3	1.1	1.1	1.2
Peru	count	66	7	4	1	10	11	8	10	6	9
	% Hispanic	63.6	0.0	0.0	0.0	60.0	54.5	75.0	90.0	100.0	100.0
	% cases	1.8	1.8	1.1	0.3	2.3	2.5	2.1	2.7	1.3	1.8
Bolivia	count	17	0	5	1	3	3	2	1	2	0
	% Hispanic	58.8	0.0	0.0	0.0	66.7	100.0	100.0	100.0	100.0	0.0
	% cases	0.5	0.0	1.4	0.3	0.7	0.7	0.5	0.3	0.4	0.0
Chile	count	19	4	0	2	1	2	2	1	3	4
	% Hispanic	57.9	0.0	0.0	0.0	100.0	100.0	50.0	100.0	66.7	100.0
	% cases	0.5	1.0	0.0	0.5	0.2	0.5	0.5	0.3	0.7	0.8
Argentina	count	46	8	3	3	5	7	6	6	1	7
	% Hispanic	23.9	0.0	0.0	0.0	40.0	14.3	50.0	33.3	0.0	42.9
	% cases	1.2	2.0	0.8	0.8	1.2	1.6	1.6	1.6	0.2	1.4
Paraguay	count	2	0	1	0	1	0	0	0	0	0
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% cases	0.1	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Uruguay	count	7	3	0	1	0	0	0	1	1	1
	% Hispanic	42.9	0.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	100.0
	% cases	0.2	0.8	0.0	0.3	0.0	0.0	0.0	0.3	0.2	0.2
Spain	count	38	6	6	2	5	8	3	3	2	3
	% Hispanic	39.5	0.0	0.0	0.0	60.0	87.5	66.7	66.7	0.0	33.3
	% cases	1.0	1.5	1.7	0.5	1.2	1.8	0.8	0.8	0.4	0.6

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 9.
Hispanic Cancer Cases by Ancestral Subgroup and Race
Illinois State Cancer Registry, 1986 to 1994

Race		All Hispanic Cases	Hispanic Ancestral Subgroup					Hispanic NOS
			Mexican	Puerto Rican	Cuban	South or Central American	Other Spanish including European	
Whites	Count	5,815	766	231	312	137	2,360	2,009
	Percent	97.0	97.2	95.1	94.5	97.2	97.6	96.9
Blacks	Count	67	13	8	11	0	10	25
	Percent	1.1	1.6	3.3	3.3	0.0	0.4	1.2
Native American	Count	3	1	1	0	0	0	1
	Percent	0.1	0.1	0.4	0.0	0.0	0.0	0.0
Chinese	Count	1	0	0	0	0	0	1
	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Filipino	Count	2	0	0	0	1	1	0
	Percent	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Indian	Count	2	0	0	0	0	2	0
	Percent	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Laotian	Count	2	0	0	0	0	0	2
	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Guamanian	Count	1	0	0	1	0	0	0
	Percent	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Other Asian	Count	2	0	0	0	0	1	1
	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	Count	11	0	0	1	0	8	2
	Percent	0.2	0.0	0.0	0.3	0.0	0.3	0.1
Unknown	Count	88	8	3	5	3	37	32
	Percent	1.5	1.0	1.2	1.5	2.1	1.5	1.5
All Races	Count	5,994	788	243	330	141	2,419	2,073

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 10.
Comparison of Last Names for All Cases on the Illinois State Cancer Registry, 1986 to 1994 with
the 1990 U.S. Bureau of the Census Spanish Surname Study Sample
Heavily Hispanic (0125) and Rarely Hispanic (5500) Categories

Heavily Hispanic Surnames (Category 0125).				Rarely Hispanic Surnames (Category 5500).			
ISCR 1986 to 1994		Census 1990		ISCR 1986 to 1994		Census 1990	
Rank	Surname (Occurrences)	Rank	Surname	Rank	Surname (Occurrences)	Rank	Surname
1.	Garcia (282)	1.	Garcia	1.	Smith (3,583)	1.	Smith
2.	Rodriguez (232)	2.	Martinez	2.	Johnson (3,518)	2.	Johnson
3.	Martinez (217)	3.	Rodriguez	3.	Williams (2,230)	3.	Williams
4.	Gonzalez (198)	4.	Lopez	4.	Miller (2,046)	4.	Brown
5.	Hernandez (195)	5.	Hernandez	5.	Brown (2,015)	5.	Jones
6.	Lopez (175)	6.	Gonzalez	6.	Jones (1,982)	6.	Davis
7.	Perez (169)	7.	Perez	7.	Anderson (1,668)	7.	Miller
8.	Rivera (127)	8.	Sanchez	8.	Davis (1,640)	8.	Wilson
9.	Ramirez (114)	9.	Rivera	9.	Wilson (1,189)	9.	Anderson
10.	Sanchez (99)	10.	Ramirez	10.	Taylor (1,081)	10.	Moore
11.	Flores (92)	11.	Torres	11.	Moore (1,078)	11.	Taylor
12.	Torres (88)	12.	Gonzales	12.	Jackson (1,054)	12.	Thomas
12.	Ortiz (88)						
30.	Gonzales (48)	13.	Flores	13.	Thomas (1,048)	20.	Jackson
		16.	Ortiz				

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 11.
Comparison of Selected Summary Statistics for Last Names on the Illinois State Cancer Registry, 1986 to 1994 with
Surnames on the 1990 U.S. Bureau of the Census Spanish Surname Study Data Set

Heavily Hispanic							
Category		0101	0102	0105	0110	0115	0125
Number of Names	ISCR	220	254	171	126	150	574
	Census	7,974	2,463	625	263	251	639
Occurrences	ISCR	314	336	248	208	350	7,400
	Census	7,974	6,626	4,300	3,295	5,080	115,526
*Percent Hispanic	ISCR All	31.1	54.8	54.4	68.5	65.9	73.2
	Cases						
	ISCR Males	32.3	59.4	62.2	68.5	66.1	78.9
	ISCR Females	29.9	50.0	47.7	68.6	65.8	68.3
	Census	100.0	96.1	94.8	94.6	93.5	94.2
Generally Hispanic							
Category		0201	0202	0205	0210	0215	0225
Number of Names	ISCR	27	43	52	18	23	35
	Census	218	354	106	25	25	39
Occurrences	ISCR	35	66	101	52	64	313
	Census	436	1,041	1,046	449	726	4,038
*Percent Hispanic	ISCR All	23.1	7.0	30.9	20.0	28.9	39.9
	Cases						
	ISCR Males	8.3	11.1	41.2	26.7	31.3	35.5
	ISCR Females	35.7	4.0	20.6	13.3	27.3	44.6
	Census	50.0	77.9	64.8	64.6	63.8	64.0
Moderately Hispanic							
Category		0301	0302	0305	0310	0315	0325
Number of Names	ISCR	158	84	47	16	7	10
	Census	3,611	260	68	21	10	11
Occurrences	ISCR	252	188	139	83	26	84
	Census	4,288	1,345	1,187	640	522	1,190
*Percent Hispanic	ISCR All	3.3	9.5	17.7	26.7	22.2	22.6
	Cases						
	ISCR Males	1.4	10.5	20.5	42.9	16.7	20.0
	ISCR Females	5.1	8.5	15.0	19.4	25.0	24.2
	Census	71.4	49.7	37.2	39.2	38.1	39.6
Occasionally Hispanic							
Category			0405	0410	0415	0425	
Number of Names	ISCR		54	15	13	5	
	Census		65	16	13	5	
Occurrences	ISCR		585	270	409	213	
	Census		3,265	1,445	2,253	1,375	
*Percent Hispanic	ISCR All Cases		3.2	5.2	4.1	6.7	
	ISCR Males		3.3	8.8	6.6	6.5	
	ISCR Females		3.0	1.5	1.6	6.9	
	Census		12.6	12.1	11.5	17.7	
Rarely Hispanic							
Category		5001	5005	5010	5025	5100	5500
Number of Names	ISCR	659	567	787	1,356	1,132	353
	Census	3,354	969	986	1,411	1,141	353
Occurrences	ISCR	1,361	1,586	4,017	15,933	52,282	107,723
	Census	7,940	7,642	16,689	74,881	249,666	522,614
*Percent Hispanic	ISCR All Cases	2.1	0.7	0.8	0.3	0.3	0.2
	ISCR Males	1.4	1.2	0.9	0.4	0.2	0.2
	ISCR Females	2.7	0.2	0.8	0.3	0.3	0.3
	Census	41.5	15.6	7.7	2.5	1.0	0.7

*Percent Hispanic for ISCR was determined using only names and Hispanic identification during the 1990 to 1994 time period when the ISCR Hispanic origin data element was in full implementation.

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 12.
Selected Summary Statistics for Last Names on the Illinois State Cancer Registry, 1986 to 1994 by
Collapsed U.S. Bureau of the Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				Hispanic Identification					
Heavily	Unadjusted Count	8,856	732	799	848	928	968	968	1,053	1,204	1,356
	% Hispanic										
	All	52	2.5	3.5	8.1	59.8	70.0	71.4	68.0	71.2	70.4
	Males	56.4	2.3	3.9	10.6	66.3	75.7	77.6	73.1	75.0	74.9
	Females	47.5	2.6	3.2	6.1	54.5	65.2	66.1	63.8	67.8	65.9
	Adjusted Count	8,574	707	777	817	892	938	941	1,021	1,160	1,321
	% Hispanic										
	All	53.1	2.5	3.6	8.4	62.0	72.0	73.0	69.9	73.7	72.1
	Males	57.8	2.3	4.0	11.1	68.0	78.0	78.4	74.6	77.7	76.7
	Females	49.0	2.7	3.3	6.3	57.0	66.9	68.3	65.9	70.2	67.7
	% Hispanic County	92.3	90.6	93.5	90.8	91.9	92.7	93.0	92.9	92.4	92.2
	% Names per Year	2.0	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.3	2.5
Generally	Unadjusted Count	631	55	64	45	54	65	82	74	90	102
	% Hispanic										
	All	24	1.8	1.6	6.7	31.5	30.8	36.6	33.8	28.9	28.4
	Males	26.0	0.0	0.0	0.0	39.3	30.8	30.8	40.0	27.5	30.4
	Females	22.4	2.9	2.4	9.7	23.1	30.8	41.9	26.5	30.8	26.8
	Adjusted Count	551	48	58	38	45	56	76	69	74	87
	% Hispanic										
	All	27.2	2.1	1.7	7.9	37.8	35.7	39.5	36.2	33.8	32.2
	Males	29.1	0.0	0.0	0.0	42.3	38.1	32.4	42.1	31.7	35.9
	Females	25.6	3.3	2.7	12.0	31.6	34.3	46.2	29.0	36.4	29.2
	% Hispanic County	86.2	94.5	89.1	88.9	85.2	89.2	80.5	87.8	82.2	84.3
	% Names per Year	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2
Moderately	Unadjusted Count	772	70	59	86	95	90	89	94	98	91
	% Hispanic										
	All	9	1.4	1.7	4.7	8.4	14.4	10.1	13.8	10.2	14.3
	Males	9.7	3.1	3.3	8.7	7.4	18.9	6.5	10.0	13.0	15.4
	Females	9.0	0.0	0.0	0.0	9.8	11.3	14.0	16.7	7.7	13.5
	Adjusted Count	696	61	48	76	87	83	84	89	90	78
	% Hispanic										
	All	10.3	1.6	2.1	5.3	9.2	15.7	10.7	14.6	11.1	16.7
	Males	10.7	3.3	3.8	10.0	8.2	20.6	6.7	10.5	13.6	19.4
	Females	10.0	0.0	0.0	0.0	10.5	12.2	15.4	17.6	8.7	14.9
	% Hispanic County	76.9	85.7	81.4	70.9	72.6	93.3	74.2	79.8	74.5	73.6
	% Names per Year	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Occasionally	Unadjusted Count	1,477	138	152	160	181	170	171	171	169	165
	% Hispanic										
	All	3.4	0.7	0.7	3.1	3.9	4.1	4.1	5.3	4.7	3.0
	Males	4.4	1.3	1.2	2.6	6.3	5.1	6.6	6.4	6.0	3.5
	Females	2.3	0.0	0.0	3.6	2.0	3.3	1.3	3.9	3.5	2.5
	Adjusted Count	1,397	127	138	147	171	163	167	163	163	158
	% Hispanic										
	All	3.5	0.8	0.7	3.4	4.1	4.3	4.2	5.5	4.9	2.5
	Males	4.5	1.4	1.3	2.9	6.5	5.3	6.8	6.5	6.1	2.4
	Females	2.5	0.0	0.0	3.8	2.1	3.4	1.3	4.2	3.7	2.7
	% Hispanic County	74.1	75.4	83.6	75.0	72.9	70.6	73.1	77.2	70.4	70.3
	% Names per Year	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3

Table 12. (continued)
Selected Summary Statistics for Last Names on the Illinois State Cancer Registry, 1986 to 1994 by
Collapsed U.S. Bureau of the Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Rarely	Unadjusted Count	182,902	18,078	19,109	18,901	19,445	19,918	20,492	21,718	22,263	22,978
	% Hispanic										
	All	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.4
	Males	0.2	0.0	0.0	0.1	0.2	0.1	0.2	0.3	0.2	0.5
	Females	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.4
	Adjusted Count	179,397	17,578	18,674	18,497	19,003	19,525	20,150	21,416	21,941	22,613
	% Hispanic										
	All	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.4
	Males	0.2	0.0	0.0	0.1	0.2	0.1	0.2	0.3	0.2	0.5
	Females	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.4
% Hispanic County	58.2	58.6	58.8	58.8	58.7	57.2	57.1	57.2	58.4	59.4	
% Names per Year	41.8	41.6	41.9	41.2	42.5	41.9	41.6	41.6	42.3	41.9	
No Match	Unadjusted Count	240,354	24,271	25,327	24,365	25,014	26,313	27,349	28,914	28,695	30,106
	% Hispanic										
	All	0.3	0.0	0.0	0.1	0.3	0.4	0.4	0.4	0.5	0.6
	Males	0.3	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.4	0.6
	Females	0.4	0.0	0.0	0.1	0.4	0.5	0.3	0.5	0.6	0.7
	Adjusted Count	227,827	22,570	23,706	22,842	23,455	25,002	26,170	27,926	27,513	28,643
	% Hispanic										
	All	0.3	0.0	0.0	0.1	0.3	0.4	0.4	0.4	0.5	0.7
	Males	0.3	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.4	0.6
	Females	0.4	0.0	0.0	0.1	0.4	0.5	0.3	0.5	0.6	0.7
% Hispanic County	65.9	66.1	63.4	65.7	65.2	65.0	64.6	64.9	64.6	66.3	
% Names per Year	55.0	55.8	55.5	53.2	54.7	55.3	55.5	55.4	54.6	54.9	
Missing	Unadjusted Count	2,107	151	145	1,417	29	66	84	131	84	0.0
	% Hispanic										
	All	1.1	0.7	0.7	0.6	6.9	1.5	4.8	2.3	2.4	0.0
	Males	1.5	1.2	1.5	0.8	12.5	0.0	4.4	2.7	4.1	0.0
	Females	0.7	0.0	0.0	0.5	0.0	3.2	5.1	1.8	0.0	0.0
	Adjusted Count	2,029	148	138	1,359	29	66	79	126	84	0.0
	% Hispanic										
	All	1.1	0.7	0.7	0.7	6.9	1.5	5.1	2.4	2.4	0.0
	Males	1.5	1.2	1.6	0.8	12.5	0.0	4.8	2.7	4.1	0.0
	Females	0.8	0.0	0.0	0.5	0.0	3.2	5.4	1.9	0.0	0.0
% Hispanic County	63.9	65.6	65.5	61.3	75.9	81.8	77.4	68.7	63.1	0.0	
% Names per Year	0.5	0.3	0.3	3.1	0.1	0.1	0.2	0.3	0.2	0.0	
Adjustment Exclusion	Count	16,628	2,256	2,116	2,046	2,064	1,757	1,568	1,345	1,578	1,898
	% Hispanic	0.3	0.0	0.0	0.0	0.3	0.5	0.3	0.4	0.6	0.4
	% Names per Year	3.8	5.1	4.6	4.5	4.5	3.7	3.2	2.6	3.0	3.5
Total	Count	437,099	43,495	45,655	45,822	45,746	47,590	49,235	52,155	52,603	54,798

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 13.
Selected Summary Statistics for Maiden Names on the Illinois State Cancer Registry, 1986 to 1994 by
Collapsed U.S. Bureau of the Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Heavily	Unadjusted Count	861	117	112	110	96	109	75	92	79	71
	Adjusted Count	815	113	103	105	91	105	72	81	78	67
	% Hispanic										
	Unadjusted	42.3	3.4	3.6	2.7	66.7	69.7	66.7	62.0	72.2	69.0
	Adjusted	44.3	3.5	3.9	2.9	70.3	71.4	68.1	69.1	73.1	73.1
	% Hispanic County	89.7	91.5	92.0	91.8	90.6	89.9	88.0	90.2	82.3	87.3
	% Names per Year	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.3
Generally	Unadjusted Count	72	10	13	8	5	8	7	2	12	7
	Adjusted Count	62	8	11	8	3	7	6	2	11	6
	% Hispanic										
	Unadjusted	11.1	0.0	0.0	0.0	20.0	25.0	14.3	0.0	25.0	14.3
	Adjusted	12.9	0.0	0.0	0.0	33.3	28.6	16.7	0.0	27.3	16.7
	% Hispanic County	88.9	100.0	92.3	75.0	100.0	100.0	85.7	100.0	91.7	57.1
	% Names per Year	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moderately	Unadjusted Count	142	19	18	7	21	21	11	21	15	9
	Adjusted Count	126	18	18	5	20	15	9	19	14	8
	% Hispanic										
	Unadjusted	6.3	0.0	0.0	0.0	23.8	9.5	0.0	4.8	0.0	11.1
	Adjusted	6.3	0.0	0.0	0.0	20.0	13.3	0.0	5.3	0.0	12.5
	% Hispanic County	72.5	73.7	83.3	85.7	76.2	71.4	72.7	71.4	46.7	77.8
	% Names per Year	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0
Occasionally	Unadjusted Count	227	22	26	25	29	42	17	23	21	22
	Adjusted Count	201	18	21	23	26	38	16	20	18	21
	% Hispanic										
	Unadjusted	1.8	0.0	0.0	0.0	3.4	7.1	0.0	0.0	0.0	0.0
	Adjusted	2.0	0.0	0.0	0.0	3.8	7.9	0.0	0.0	0.0	0.0
	% Hispanic County	62.6	68.2	61.5	76.0	51.7	61.9	64.7	65.2	71.4	45.5
	% Names per Year	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1
Rarely	Unadjusted Count	25,821	3,257	3,366	3,135	2,983	2,858	2,515	2,490	2,638	2,579
	Adjusted Count	25,299	3,188	3,291	3,055	2,913	2,811	2,463	2,456	2,592	2,530
	% Hispanic										
	Unadjusted	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.3	0.3	0.2
	Adjusted	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.3	0.2
	% Hispanic County	55.3	60.8	58.1	60.3	60.2	58.2	56.9	48.8	45.9	43.7
	% Names per Year	11.6	14.5	14.2	13.0	12.6	11.6	10.2	9.7	10.1	9.3
No Match	Unadjusted Count	37,718	4,810	5,021	4,526	4,469	4,186	3,723	3,644	3,716	3,623
	Adjusted Count	35,498	4,427	4,657	4,209	4,160	3,961	3,555	3,520	3,563	3,446
	% Hispanic										
	Unadjusted	0.2	0.0	0.0	0.0	0.2	0.5	0.2	0.4	0.7	0.3
	Adjusted	0.2	0.0	0.0	0.0	0.1	0.5	0.3	0.4	0.6	0.3
	% Hispanic County	63.3	69.2	67.7	67.0	66.3	65.3	63.6	58.1	54.4	53.2
	% Names per Year	16.9	21.4	21.2	18.8	18.9	17.1	15.1	14.3	14.2	13.0

Table 13. (continued)
Selected Summary Statistics for Maiden Names on the Illinois State Cancer Registry, 1986 to 1994 by
Collapsed U.S. Bureau of the Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Missing	Unadjusted Count	158,018	14,270	15,153	16,272	16,083	17,318	18,384	19,288	19,686	21,564
	Adjusted Count	152,494	13,613	14,556	15,604	15,431	16,721	17,813	18,797	19,104	20,855
	% Hispanic										
	Unadjusted	1.6	0.1	0.1	0.3	1.8	2.0	2.0	2.1	2.4	2.6
	Adjusted	1.7	0.1	0.1	0.3	1.8	2.1	2.1	2.2	2.5	2.7
	% Hispanic County	63.4	62.8	63.2	62.9	62.8	62.3	62.3	63.4	64.9	65.9
	% Names per Year	70.9	63.4	63.9	67.6	67.9	70.6	74.3	75.5	75.2	77.4
Adjustment	Count	8,364	1,120	1,052	1,074	1,042	884	798	665	787	942
Exclusion	% Hispanic	0.3	0.0	0.0	0.0	0.5	0.5	0.4	0.6	0.4	0.3
	% Names per Year	3.8	5.0	4.4	4.5	4.4	3.6	3.2	2.6	3.0	3.4
Total	Count	222,859	22,505	23,709	24,083	23,686	24,542	24,732	25,560	26,167	27,875

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 14.
Annual Distribution of Last Names for Cancer Cases Born in non-U.S. Birthplaces by
Collapsed U.S. Bureau of the Census Spanish Surname Study Category
Illinois State Cancer Registry, 1986 to 1994

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Heavily	count	2,990	307	293	306	344	359	305	302	366	408
	%	80.9	77.3	82.1	81.6	80.0	82.7	80.7	81.8	80.1	81.6
Generally	count	95	12	12	5	13	7	14	11	12	9
	%	2.6	3.0	3.4	1.3	3.0	1.6	3.7	3.0	2.6	1.8
Moderately	count	63	5	6	8	10	9	6	5	7	7
	%	1.7	1.3	1.7	2.1	2.3	2.1	1.6	1.4	1.5	1.4
Occasionally	count	21	2	3	1	3	1	3	3	4	1
	%	0.6	0.5	0.8	0.3	0.7	0.2	0.8	0.8	0.9	0.2
Rarely	count	134	15	11	16	19	13	10	9	19	22
	%	3.6	3.8	3.1	4.3	4.4	3.0	2.6	2.4	4.2	4.4
No Match	count	381	56	32	30	40	45	40	37	48	53
	%	10.3	14.1	9.0	8.0	9.3	10.4	10.6	10.0	10.5	10.0
Missing	count	13	0	0	9	1	0	0	2	1	0
	%	0.4	0.0	0.0	2.4	0.2	0.0	0.0	0.5	0.2	0.0
Total	count	3,697	397	357	375	430	434	378	369	457	500

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 15.
Distribution of Last Names by Collapsed U.S. Bureau of the Census Spanish Surname Study Category for
American Indian, Filipino and Hawaiian Cancer Cases
Illinois State Cancer Registry, 1986 to 1994

Category		All Three Races	American Indian	Filipino	Hawaiian
Heavily	count	68	4	64	0
	%	19.5	13.3	20.9	0.0
Generally	count	28	2	26	0
	%	8.0	6.7	8.5	0.0
Moderately	count	12	0	12	0
	%	3.4	0.0	3.9	0.0
Occasionally	count	3	0	3	0
	%	0.9	0.0	1.0	0.0
Rarely	count	48	8	36	4
	%	13.8	26.7	11.8	33.3
No Match	count	189	16	165	8
	%	54.3	53.5	53.9	66.7
Total	count	348	30	306	12

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 16.
Evaluation of Spanish Surname/Hispanic Non-U.S. Birthplace Combinations
Relative to Hispanic Origin Status as Defined by Cancer Registrars
Illinois State Cancer Registry, 1986 to 1994

		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
All Cases	count	437,099	43,495	45,655	45,822	44,868	47,590	49,232	52,155	52,603	54,798
Hispanic	count	5,994	31	43	118	705	865	879	948	1,110	1,295
BP/HH											
Cases	count	8,597	702	769	810	906	943	955	1,025	1,166	1,321
Sensitivity	%	78.0	61.3	65.1	57.6	82.3	81.0	80.8	77.1	78.7	74.6
PPV	%	54.4	2.7	3.6	8.4	64.0	74.3	74.3	71.3	75.0	73.1
Specificity	%	99.1	98.4	98.4	98.4	99.3	99.5	99.5	99.4	99.4	99.3
NPV	%	99.7	100.0	100.0	99.9	99.7	99.6	99.6	99.6	99.5	99.4
BP/HH/GH											
Cases	count	9,047	737	815	842	937	990	1,017	1,078	1,230	1,401
Sensitivity	%	79.4	61.3	67.4	60.2	83.0	82.3	82.6	78.5	79.9	76.1
PPV	%	52.6	2.6	3.6	8.4	62.4	71.9	71.4	69.0	72.1	70.3
Specificity	%	99.0	98.3	98.3	98.3	99.2	99.4	99.4	99.3	99.3	99.2
NPV	%	99.7	100.0	100.0	99.9	99.7	99.7	99.7	99.6	99.6	99.4
BP/HH/GH/MH											
Cases	count	9,694	797	872	902	1,018	1,061	1,093	1,168	1,314	1,469
Sensitivity	%	80.0	64.5	69.8	63.6	83.4	82.9	82.9	79.3	80.3	76.6
PPV	%	49.5	2.5	3.4	8.3	57.8	67.6	66.7	64.4	67.8	67.5
Specificity	%	98.9	98.1	98.2	98.2	99.0	99.3	99.2	99.2	99.2	99.1
NPV	%	99.7	98.2	100.0	99.9	99.7	99.7	99.7	99.6	99.6	99.4
BP/HH/GH/MH/OH											
Cases	count	11,084	918	1,008	1,045	1,172	1,233	1,260	1,336	1,480	1,632
Sensitivity	%	80.6	67.7	72.1	67.8	84.0	83.7	83.5	80.1	80.6	76.8
PPV	%	46.6	2.3	3.1	7.7	50.5	58.7	58.3	56.8	60.5	61.0
Specificity	%	98.5	97.9	97.9	97.9	98.7	98.9	98.9	98.9	98.9	98.8
NPV	%	99.7	97.9	100.0	99.9	99.7	99.7	99.7	99.6	99.6	99.6

Abbreviations:

BP Hispanic Non-U.S Birthplace, HH Heavily Hispanic, GH Generally Hispanic, MH Moderately Hispanic, OH Occasionally Hispanic, PPV Positive Predictive Value, NPV Negative Predictive Value

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 17.
Number and Proportion Hispanic Cancer Cases Identified Using
14 Hispanic Identifier Variables, Illinois State Cancer Registry (ISCR) 1986-1994

Number Hispanic	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Hispanic Origin (HO) Only	5,994	31	43	118	705	865	879	948	1,110	1,295
HO and Birthplace (BP)	7,021	343	346	400	775	880	886	956	1,121	1,314
Spanish Surname Only										
Heavily Hispanic	8,426	686	749	797	878	927	933	1,008	1,143	1,305
and Generally Hispanic	8,961	730	806	833	922	979	1,008	1,071	1,219	1,393
and Moderately Hispanic	9,673	796	869	901	1,015	1,059	1,090	1,165	1,310	1,468
and Occasionally Hispanic	11,084	918	1,008	1,045	1,172	1,233	1,260	1,336	1,480	1,632
Spanish Surname and BP										
Heavily Hispanic	8,597	702	769	810	906	943	955	1,025	1,166	1,321
and Generally Hispanic	9,047	737	815	842	937	990	1,017	1,078	1,230	1,401
and Moderately Hispanic	9,694	797	872	902	1,018	1,061	1,093	1,168	1,314	1,469
and Occasionally Hispanic	11,084	918	1,008	1,045	1,172	1,233	1,260	1,336	1,480	1,632
HO and BP and Spanish Surname										
Heavily Hispanic	9,914	714	784	860	1,031	1,107	1,124	1,242	1,402	1,650
and Generally Hispanic	10,283	749	829	889	1,057	1,143	1,170	1,282	1,453	1,711
and Moderately Hispanic	10,894	808	885	945	1,135	1,209	1,243	1,364	1,533	1,772
and Occasionally Hispanic	12,247	928	1,020	1,083	1,285	1,374	1,405	1,525	1,695	1,932
Percent Hispanic	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Hispanic Origin (HO) Only	1.4	0.1	0.1	0.3	1.5	1.8	1.8	1.8	2.1	2.4
HO and Birthplace (BP)	1.6	0.8	0.8	0.9	1.7	1.8	1.8	1.8	2.1	2.4
Spanish Surname Only										
Heavily Hispanic	1.9	1.6	1.6	1.7	1.9	1.9	1.9	1.9	2.2	2.4
and Generally Hispanic	2.1	1.7	1.8	1.8	2.0	2.1	2.0	2.1	2.3	2.5
and Moderately Hispanic	2.2	1.8	1.9	2.0	2.2	2.2	2.2	2.2	2.5	2.7
and Occasionally Hispanic	2.5	2.1	2.2	2.3	2.6	2.6	2.6	2.6	2.8	3.0
Spanish Surname and BP										
Heavily Hispanic	2.0	1.6	1.7	1.8	2.0	2.0	1.9	2.0	2.2	2.4
and Generally Hispanic	2.1	1.7	1.8	1.8	2.0	2.1	2.1	2.1	2.3	2.6
and Moderately Hispanic	2.2	1.8	1.9	2.0	2.2	2.2	2.2	2.2	2.5	2.7
and Occasionally Hispanic	2.5	2.1	2.2	2.3	2.6	2.6	2.6	2.6	2.8	3.0
HO and BP and Spanish Surname										
Heavily Hispanic	2.3	1.6	1.7	1.9	2.3	2.3	2.3	2.4	2.7	3.0
and Generally Hispanic	2.4	1.7	1.8	1.9	2.3	2.4	2.4	2.5	2.8	3.1
and Moderately Hispanic	2.5	1.9	1.9	2.1	2.5	2.5	2.5	2.6	2.9	3.2
and Occasionally Hispanic	2.8	2.1	2.2	2.4	2.8	2.9	2.9	2.9	3.2	3.5

Denotes variables selected for further evaluation through cancer incidence rate calculation and comparisons.

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 18.
Percent Hispanic Cases by
***Combined Direct and Indirect Hispanic Identifier Components**
Illinois State Cancer Registry (ISCR) 1986-1994

ALL CASES	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Numbers	9,914	714	784	860	1,031	1,107	1,124	1,242	1,402	1,650
HO	13.3	1.7	1.9	5.8	12.1	14.8	15.0	17.5	16.8	19.9
HO/BP	1.1	0.0	0.0	0.0	2.0	1.3	1.8	1.3	1.6	0.9
HO/NAME	25.6	1.1	2.0	3.5	26.7	30.2	34.7	34.1	35.7	34.1
HO/BP/NAME	20.5	1.5	1.5	4.4	27.5	31.9	26.7	23.4	25.0	23.6
HO TOTAL	60.5	4.3	5.5	13.7	68.4	78.1	78.2	76.3	79.2	78.5
BP	0.6	2.2	2.6	1.5	0.7	0.2	0.2	0.1	0.1	0.1
NAME	29.2	52.0	55.9	53.5	24.8	20.5	21.2	23.0	20.0	20.4
BP/NAME	9.7	41.5	36.1	31.3	6.1	1.2	0.4	0.6	0.7	1.1
NHO TOTAL	39.5	95.7	94.5	86.3	31.6	21.9	21.8	23.7	20.8	21.5
MALES	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Numbers	4,659	315	372	399	473	502	541	576	659	822
HO	12.8	2.2	2.2	5.3	10.6	12.7	17.2	16.7	15.0	19.2
HO/BP	1.2	0.0	0.0	0.0	2.7	1.4	1.1	1.7	2.1	1.0
HO/NAME	26.8	0.3	2.4	4.5	28.1	31.5	34.9	34.9	37.6	35.4
HO/BP/NAME	22.5	1.9	1.3	5.8	30.2	35.5	28.8	25.9	26.7	25.8
HO TOTAL	63.3	4.4	5.9	15.5	71.7	81.1	82.1	79.2	81.5	81.4
BP	0.8	2.2	3.8	1.8	0.8	0.0	0.4	0.2	0.0	0.0
NAME	26.4	53.3	54.3	51.4	20.9	17.3	17.0	20.1	17.8	17.4
BP/NAME	9.6	40.0	36.0	31.3	6.6	1.6	0.6	0.5	0.8	1.2
NHO TOTAL	36.7	95.6	94.1	84.5	28.3	18.9	17.9	20.8	18.5	18.6
FEMALES	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
	No Formal Identification				ISCR Hispanic Identification					
Numbers	5,255	399	412	461	558	605	583	666	743	828
HO	13.7	1.3	1.7	6.3	13.4	16.5	13.0	18.2	18.4	20.7
HO/BP	1.0	0.0	0.0	0.0	1.4	1.2	2.4	0.9	1.1	0.8
HO/NAME	24.6	1.8	1.7	2.6	25.4	29.1	34.5	33.5	34.1	32.7
HO/BP/NAME	18.7	1.3	1.7	3.3	25.3	28.9	24.7	21.3	23.6	21.4
HO TOTAL	57.9	4.3	5.1	12.1	65.6	75.7	74.6	73.9	77.1	75.6
BP	0.5	2.3	1.5	1.3	0.5	0.3	0.0	0.0	0.1	0.1
NAME	31.7	50.9	57.3	55.3	28.1	23.1	25.0	25.5	22.1	23.3
BP/NAME	9.9	42.6	36.2	31.2	5.7	0.8	0.3	0.6	0.7	1.0
NHO TOTAL	42.1	95.7	94.9	87.9	34.4	24.3	25.4	26.1	22.9	24.4

*Hispanic Identifier: ISCR Hispanic origin and/or adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic Surname

HO=ISCR Hispanic origin (yes)

BP=Hispanic non-U.S.birthplace (adjusted for surname category status)

NAME=heavily Hispanic last and/or maiden name (adjusted for birthplace and race)

HO Total=Hispanic cases identified by cancer registrar

NHO Total=Hispanic cases identified with only BP, NAME, or BP/NAME combination.

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 19.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Males
Using **Direct Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Males				White Hispanic Males				White Hispanic Males Expected		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	481.0	426.9	441.6	456.6	336.0	175.0	223.3	256.3	298.2	308.5	319.0
Oral Cavity excl Nasopharynx	15.1	12.6	12.5	12.6	9.4	4.4	6.1	6.9	7.8	7.8	7.8
Nasopharynx	0.6	0.6	0.6	0.6	0.5	0.1	0.1	0.2	0.5	0.5	0.5
Esophagus	5.5	6.0	6.1	6.3	4.5	3.5	3.9	5.2	4.9	5.0	5.2
Stomach	9.6	9.6	9.3	9.0	16.2	8.7	12.0	12.8	16.2	15.7	15.2
Colon and Rectum	57.6	60.3	59.7	59.8	40.2	21.7	25.4	27.3	42.1	41.7	41.7
Colon excl Rectum	39.9	41.6	41.4	41.6	25.6	14.9	17.0	18.0	26.7	26.6	26.7
Rectum	17.7	18.6	18.3	18.2	14.6	6.8	8.4	9.3	15.3	15.1	15.0
Gallbladder	-	0.7	0.7	0.7	-	0.6	0.9	0.7	-	-	-
Liver and Intrahepatic Bile Duct	3.3	3.0	3.1	3.4	7.1	3.2	5.0	5.6	6.5	6.7	7.3
Pancreas	9.9	8.9	8.8	9.3	8.5	4.1	5.7	6.3	7.6	7.6	8.0
Larynx	7.7	8.2	8.3	8.0	5.4	2.9	3.9	4.4	5.8	5.8	5.6
Lung and Bronchus	79.0	80.8	81.9	84.1	44.0	23.7	30.0	32.2	45.0	45.6	46.8
Melanomas	16.0	8.7	9.0	9.2	2.9	0.9	1.4	2.0	1.6	1.6	1.7
Breast (invasive)	1.0	0.8	1.0	1.1	0.6	0.2	0.5	0.7	0.5	0.6	0.7
Prostate	137.9	106.0	117.6	126.3	92.8	43.2	57.4	71.1	71.3	79.1	85.0
Testis	5.4	4.9	4.8	4.8	3.1	1.2	1.6	2.0	2.8	2.8	2.8
Urinary Bladder	33.1	30.9	31.7	32.0	16.7	10.0	11.6	12.9	15.6	16.0	16.1
Kidney and Renal Pelvis	12.0	12.3	12.4	12.7	10.6	5.3	6.7	8.8	10.9	11.0	11.2
Brain and Other Nervous System	8.2	7.6	7.5	7.7	5.6	2.9	4.3	3.9	5.2	5.1	5.3
Thyroid	2.7	2.3	2.4	2.6	2.2	0.9	1.2	1.1	1.9	2.0	2.1
Hodgkin's Disease	3.5	3.2	3.2	3.2	2.6	2.1	2.4	2.5	2.4	2.4	2.4
Non-Hodgkin's Lymphoma	19.1	16.2	16.8	17.3	15.0	10.0	12.1	14.6	12.7	13.2	13.6
Multiple Myeloma	5.0	4.0	4.1	4.3	4.5	2.7	3.2	3.6	3.6	3.7	3.9
Leukemias	13.7	11.1	11.4	12.0	9.9	5.3	6.1	7.2	8.0	8.2	8.7

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

** ISCR Hispanic incidence identified using ISCR Hispanic origin only

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 20.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Males
Using **Indirect Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Males				White Hispanic Males				White Hispanic Males Expected		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	481.0	425.3	441.0	456.3	336.0	215.2	238.7	263.9	297.1	308.1	318.7
Oral Cavity excl Nasopharynx	15.1	12.6	12.5	12.6	9.4	4.6	5.7	5.9	7.8	8.7	7.8
Nasopharynx	0.6	0.6	0.6	0.6	0.5	0.1	0.1	0.2	0.5	0.4	0.5
Esophagus	5.5	6.0	6.1	6.3	4.5	4.5	4.0	5.0	4.9	4.3	5.2
Stomach	9.6	9.5	9.2	9.0	16.2	10.6	12.1	12.6	16.0	6.4	15.2
Colon and Rectum	57.6	60.1	59.6	59.6	40.2	27.2	29.8	32.7	41.9	41.6	41.6
Colon excl Rectum	39.9	41.5	41.3	41.5	25.6	18.6	20.2	21.8	26.6	28.8	26.6
Rectum	17.7	18.6	18.3	18.1	14.6	8.6	9.6	10.9	15.3	12.8	14.9
Gallbladder	-	0.7	0.7	0.7	-	1.0	1.1	0.9	-	-	-
Liver & Intrahepatic Bile Duct	3.3	2.9	3.0	3.4	7.1	4.1	5.6	5.9	6.2	2.1	7.3
Pancreas	9.9	8.8	8.8	9.3	8.5	5.1	5.5	6.2	7.6	6.1	8.0
Larynx	7.7	8.2	8.3	8.0	5.4	3.4	4.2	4.8	5.8	5.8	5.6
Lung and Bronchus	79.0	80.6	81.9	84.1	44.0	30.6	31.7	31.3	44.9	57.2	46.8
Melanomas	16.0	8.7	9.1	9.2	2.9	1.0	1.3	1.4	1.6	6.4	1.7
Breast (invasive)	1.0	0.8	1.0	1.1	0.6	0.2	0.5	0.7	0.5	0.7	0.7
Prostate	137.9	105.9	117.6	126.3	92.8	48.8	58.7	72.7	71.3	82.1	85.0
Testis	5.4	4.8	4.8	4.8	3.1	2.1	2.0	2.0	2.8	3.4	2.8
Urinary Bladder	33.1	30.8	31.6	31.9	16.7	12.7	13.7	14.5	15.5	22.1	16.1
Kidney & Renal Pelvis	12.0	12.2	12.4	12.7	10.6	7.7	8.0	9.4	10.8	8.7	11.2
Brain and Other Nervous System	8.2	7.4	7.5	7.7	5.6	4.5	4.0	3.8	5.1	5.2	5.3
Thyroid	2.7	2.2	2.4	2.5	2.2	1.0	1.1	1.2	1.8	1.7	2.0
Hodgkin's Disease	3.5	3.2	3.2	3.2	2.6	2.5	2.5	2.5	2.4	2.2	2.4
Non-Hodgkin's Lymphoma	19.1	16.1	16.7	17.3	15.0	12.2	12.8	14.3	12.6	11.7	13.6
Multiple Myeloma	5.0	4.0	4.1	4.3	4.5	3.6	3.8	3.9	3.6	2.9	3.9
Leukemias	13.7	11.0	11.3	12.0	9.9	6.1	6.8	7.5	7.9	7.9	8.7

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

** Cases identified using adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 21.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Males
Using **Combined Direct and Indirect Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Males				White Hispanic Males				White Hispanic Males Expected		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	481.0	423.9	439.4	454.3	336.0	252.1	284.1	320.5	296.1	306.9	317.3
Oral Cavity excl Nasopharynx	15.1	12.6	12.5	12.5	9.4	5.6	7.2	7.9	7.8	7.8	7.8
Nasopharynx	0.6	0.6	0.6	0.6	0.5	0.1	0.1	0.2	0.5	0.5	0.5
Esophagus	5.5	5.9	6.1	6.3	4.5	4.8	4.3	5.7	4.8	5.0	5.2
Stomach	9.6	9.5	9.2	8.9	16.2	12.0	13.8	14.7	16.0	15.5	15.0
Colon and Rectum	57.6	59.9	59.4	59.4	40.2	31.4	34.6	37.6	41.8	41.5	41.5
Colon excl Rectum	39.9	41.4	41.2	41.4	25.6	21.4	23.4	24.9	26.6	26.4	26.6
Rectum	17.7	18.5	18.2	18.1	14.6	10.0	11.2	12.7	15.3	15.0	14.9
Gallbladder	-	0.7	0.7	0.7	-	1.1	1.2	1.0	-	-	-
Liver and Intrahepatic Bile Duct	3.3	2.9	3.0	3.4	7.1	4.2	5.8	6.2	6.2	6.5	7.3
Pancreas	9.9	8.8	8.8	9.2	8.5	5.9	6.5	7.5	7.6	7.6	7.9
Larynx	7.7	8.2	8.2	8.0	5.4	4.2	5.0	5.7	5.8	5.8	5.6
Lung and Bronchus	79.0	80.4	81.6	83.8	44.0	36.6	39.0	40.3	44.8	45.4	46.7
Melanomas	16.0	8.7	9.0	9.2	2.9	1.3	1.8	2.3	1.6	1.6	1.7
Breast (invasive)	1.0	0.8	1.0	1.1	0.6	0.2	0.5	0.7	0.5	0.6	0.7
Prostate	137.9	105.5	117.1	125.8	92.8	60.9	73.9	90.8	71.0	78.8	84.7
Testis	5.4	4.7	4.7	4.8	3.1	2.3	2.2	2.4	2.7	2.7	2.8
Urinary Bladder	33.1	30.8	31.5	31.8	16.7	14.8	16.3	18.0	15.5	15.9	16.0
Kidney and Renal Pelvis	12.0	12.2	12.4	12.6	10.6	8.5	9.0	11.3	10.8	11.0	11.1
Brain and Other Nervous System	8.2	7.4	7.4	7.6	5.6	5.1	5.1	4.8	5.1	5.1	5.2
Thyroid	2.7	2.2	2.4	2.5	2.2	1.5	1.5	1.4	1.8	2.0	2.0
Hodgkin's Disease	3.5	3.1	3.2	3.2	2.6	2.8	2.8	2.8	2.3	2.4	2.4
Non-Hodgkin's Lymphoma	19.1	16.1	16.6	17.1	15.0	13.2	14.6	17.2	12.6	13.0	13.4
Multiple Myeloma	5.0	4.0	4.1	4.3	4.5	4.0	4.2	4.7	3.6	3.7	3.9
Leukemias	13.7	11.0	11.3	11.9	9.9	7.1	7.9	8.8	7.9	8.2	8.6

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

**Cases identified using ISCR Hispanic origin and/or, adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 22.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Females
Using **Direct Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Females				White Hispanic Females				White Hispanic Females Expected		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	354.0	333.1	335.4	343.1	256.0	145.1	185.7	206.1	240.9	242.5	248.1
Oral Cavity excl Nasopharynx	6.1	4.7	4.7	4.7	2.7	1.9	2.3	2.6	2.1	2.1	2.1
Nasopharynx	0.3	0.3	0.3	0.2	0.0	0.2	0.2	0.1	0.0	0.0	0.0
Esophagus	1.7	1.5	1.6	1.6	0.9	0.1	0.6	1.0	0.8	0.8	0.8
Stomach	3.9	3.9	4.0	3.9	8.4	3.9	5.9	6.8	8.4	8.6	8.4
Colon and Rectum	39.2	40.5	40.2	40.4	25.9	14.7	18.8	21.4	26.8	26.6	26.7
Colon excl Rectum	29.0	30.0	29.8	30.1	18.2	9.7	12.6	14.7	18.8	18.7	18.9
Rectum	10.2	10.5	10.4	10.3	7.7	5.1	6.2	6.6	7.9	7.9	7.8
Gallbladder	-	1.5	1.4	1.4	-	1.5	2.4	3.1	-	-	-
Liver and Intrahepatic Bile Duct	1.3	1.2	1.3	1.5	2.8	1.2	1.4	2.0	2.6	2.8	3.2
Pancreas	7.4	6.8	6.7	6.8	7.2	4.3	5.6	5.7	6.6	6.5	6.6
Larynx	1.6	1.6	1.6	1.7	0.8	0.7	0.6	0.6	0.8	0.8	0.8
Lung and Bronchus	43.7	38.3	39.9	41.6	20.4	9.4	12.1	15.4	17.9	18.6	19.4
Melanomas	11.1	6.7	6.6	6.8	3.3	1.1	1.3	1.5	2.0	2.0	2.0
Breast (invasive)	115.7	110.2	109.6	112.5	73.5	38.0	49.0	53.5	70.0	69.6	71.5
Breast (in situ)	17.3	14.0	14.7	15.6	8.2	2.6	4.6	5.9	6.6	7.0	7.4
Cervix (invasive)	7.5	8.6	8.4	8.2	17.1	13.6	17.2	19.2	19.6	19.2	18.7
Corpus Uteri	23.0	22.3	22.6	23.0	14.5	9.2	11.1	10.8	14.1	14.2	14.5
Ovary	16.2	14.7	15.1	15.5	12.1	6.2	7.7	9.0	11.0	11.3	11.6
Urinary Bladder	8.1	7.9	7.8	8.0	4.5	2.6	3.4	3.6	4.4	4.3	4.4
Kidney and Renal Pelvis	5.9	6.5	6.4	6.5	5.8	3.4	4.1	4.9	6.4	6.3	6.4
Brain and Other Nervous System	5.6	5.4	5.3	5.0	4.0	3.1	3.8	3.2	3.9	3.8	3.6
Thyroid	6.5	6.1	6.2	6.5	6.5	3.5	4.5	5.3	6.1	6.2	6.5
Hodgkin's Disease	2.8	2.6	2.5	2.5	1.7	1.3	1.5	1.4	1.6	1.5	1.5
Non-Hodgkin's Lymphoma	12.3	11.4	11.8	12.3	9.5	5.8	7.8	8.7	8.8	9.1	9.5
Multiple Myeloma	3.2	2.8	2.9	2.9	3.1	2.8	3.4	3.4	2.7	2.8	2.8
Leukemias	7.9	6.7	6.8	7.1	6.8	4.4	5.4	6.5	5.8	5.9	6.1

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

** ISCR Hispanic incidence identified using ISCR Hispanic origin only

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 23.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Females
Using **Indirect Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Females				White Hispanic Females				White Hispanic Females Expected		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	354.0	331.0	334.5	342.4	256.0	188.0	203.4	218.6	239.4	241.9	247.6
Oral Cavity excl Nasopharynx	6.1	4.7	4.7	4.7	2.7	1.8	2.2	2.4	2.1	2.1	2.1
Nasopharynx	0.3	0.3	0.3	0.2	0.0	0.4	0.4	0.4	0.0	0.0	0.0
Esophagus	1.7	1.5	1.5	1.6	0.9	0.6	1.1	1.3	0.8	0.8	0.8
Stomach	3.9	3.9	4.0	3.9	8.4	4.8	6.3	7.1	8.4	8.6	8.4
Colon and Rectum	39.2	40.4	40.2	40.5	25.9	17.7	18.3	19.3	26.7	26.6	26.8
Colon excl Rectum	29.0	29.9	29.8	30.2	18.2	12.0	12.0	13.0	18.8	18.7	19.0
Rectum	10.2	10.5	10.4	10.3	7.7	5.7	6.3	6.3	7.9	7.9	7.8
Gallbladder		1.5	1.4	1.4		2.1	2.5	3.2			
Liver and Intrahepatic Bile Duct	1.3	1.2	1.3	1.4	2.8	2.2	2.1	2.6	2.6	2.8	3.0
Pancreas	7.4	6.7	6.7	6.8	7.2	5.6	6.3	5.7	6.5	6.5	6.6
Larynx	1.6	1.6	1.6	1.7	0.8	1.0	1.1	1.2	0.8	0.8	0.8
Lung and Bronchus	43.7	38.1	39.8	41.5	20.4	15.2	16.4	17.9	17.8	18.6	19.4
Melanomas	11.1	6.6	6.5	6.8	3.3	1.7	1.8	1.6	2.0	1.9	2.0
Breast (invasive)	115.7	109.5	109.2	112.2	73.5	52.2	56.2	60.6	69.6	69.4	71.3
Breast (in situ)	17.3	13.9	14.6	15.6	8.2	3.7	5.1	6.1	6.6	6.9	7.4
Cervix (invasive)	7.5	8.4	8.4	8.2	17.1	15.8	17.3	19.2	19.2	19.2	18.7
Corpus Uteri	23.0	22.2	22.6	22.9	14.5	11.1	12.3	12.5	14.0	14.2	14.4
Ovary	16.2	14.6	15.0	15.5	12.1	6.9	8.2	9.3	10.9	11.2	11.6
Urinary Bladder	8.1	7.9	7.8	7.9	4.5	3.5	3.8	3.9	4.4	4.3	4.4
Kidney and Renal Pelvis	5.9	6.4	6.4	6.5	5.8	5.0	5.0	5.6	6.3	6.3	6.4
Brain and Other Nervous System	5.6	5.3	5.3	5.0	4.0	3.6	3.6	3.3	3.8	3.8	3.6
Thyroid	6.5	6.0	6.2	6.5	6.5	4.4	4.4	5.2	6.0	6.2	6.5
Hodgkin's Disease	2.8	2.6	2.5	2.5	1.7	1.3	1.5	1.5	1.6	1.5	1.5
Non-Hodgkin's Lymphoma	12.3	11.4	11.8	12.3	9.5	6.7	7.6	7.9	8.8	9.1	9.5
Multiple Myeloma	3.2	2.8	2.9	2.9	3.1	3.2	3.2	3.2	2.7	2.8	2.8
Leukemias	7.9	6.6	6.8	7.1	6.8	5.4	5.7	6.7	5.7	5.9	6.1

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

** Cases identified using adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 24.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for White Hispanic and White Non-Hispanic Females
Using **Combined Direct and Indirect Hispanic Identification and Three Time Periods for ISCR

	White Non-Hispanic Females				White Hispanic Females				White Hispanic Females		
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	354.0	329.6	332.7	340.4	256.0	222.3	246.5	269.9	238.4	240.6	246.2
Oral Cavity excl Nasopharynx	6.1	4.7	4.7	4.7	2.7	2.4	2.8	2.9	2.1	2.1	2.1
Nasopharynx	0.3	0.3	0.3	0.2	0.0	0.4	0.4	0.4	0.0	0.0	0.0
Esophagus	1.7	1.5	1.5	1.6	0.9	0.6	1.1	1.4	0.8	0.8	0.8
Stomach	3.9	3.9	4.0	3.9	8.4	5.5	7.3	8.3	8.4	8.6	8.4
Colon and Rectum	39.2	40.3	40.0	40.3	25.9	22.2	24.5	27.7	26.6	26.4	26.6
Colon excl Rectum	29.0	29.8	29.7	30.0	18.2	15.3	16.5	19.2	18.7	18.6	18.8
Rectum	10.2	10.4	10.4	10.3	7.7	7.0	8.0	8.4	7.9	7.9	7.8
Gallbladder	-	1.5	1.4	1.4	-	2.3	2.8	3.6	-	-	-
Liver and Intrahepatic Bile Duct	1.3	1.2	1.3	1.4	2.8	2.2	2.1	2.6	2.6	2.8	3.0
Pancreas	7.4	6.7	6.7	6.8	7.2	6.2	7.4	7.2	6.5	6.5	6.6
Larynx	1.6	1.6	1.6	1.7	0.8	1.1	1.1	1.2	0.8	0.8	0.9
Lung and Bronchus	43.7	38.0	39.7	41.3	20.4	17.9	19.6	22.8	17.7	18.5	19.3
Melanomas	11.1	6.6	6.5	6.8	3.3	2.0	2.1	2.2	2.0	1.9	2.0
Breast (invasive)	115.7	109.1	108.7	111.6	73.5	61.6	67.6	74.3	69.3	69.1	70.9
Breast (in situ)	17.3	13.9	14.6	15.5	8.2	4.5	6.5	8.0	6.6	6.9	7.3
Cervix (invasive)	7.5	8.3	8.2	8.0	17.1	18.0	19.9	21.8	18.9	18.7	18.2
Corpus Uteri	23.0	22.2	22.5	22.8	14.5	13.3	15.2	15.1	14.0	14.2	14.4
Ovary	16.2	14.5	14.9	15.4	12.1	8.9	10.4	11.9	10.8	11.1	11.5
Urinary Bladder	8.1	7.8	7.8	7.9	4.5	4.3	5.0	5.5	4.3	4.3	4.4
Kidney and Renal Pelvis	5.9	6.4	6.4	6.4	5.8	5.2	5.3	6.2	6.3	6.3	6.3
Brain and Other Nervous System	5.6	5.3	5.2	4.9	4.0	4.5	4.8	4.5	3.8	3.7	3.5
Thyroid	6.5	5.9	6.1	6.4	6.5	5.4	5.7	6.5	5.9	6.1	6.4
Hodgkin's Disease	2.8	2.6	2.5	2.5	1.7	1.6	1.9	1.7	1.6	1.5	1.5
Non-Hodgkin's Lymphoma	12.3	11.3	11.7	12.3	9.5	8.0	9.5	10.3	8.7	9.0	9.5
Multiple Myeloma	3.2	2.8	2.8	2.9	3.1	3.5	3.7	3.7	2.7	2.7	2.8
Leukemias	7.9	6.6	6.7	7.0	6.8	6.0	6.5	7.8	5.7	5.8	6.0

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population.

** Cases identified using ISCR Hispanic origin and/or, adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 25.
Descriptive and Analytic Statistics
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Age-Adjusted Cancer Incidence Rates (n=22) for White Hispanic and White Non-Hispanic Males
Using *Three Hispanic Identifiers and Three Time Periods for ISCR

White Hispanic Males						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	7.1	9.8	9.1	12.7	10.5	15.4
Indirect	8.8	11.4	9.7	13.2	10.8	15.7
Combined	10.3	14.0	11.6	16.5	13.2	19.7
SEER 1988 to 1992	13.7	20.2	13.7	20.2	13.7	20.2
Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
Direct	6.6		4.6		3.2	
Indirect	4.9		4.0		2.9	
Combined	3.4		2.1		0.5	
Hispanic identifier	Pearson r	p value	Pearson r	p value	Pearson r	p value
Direct	.994	< 0.01	.997	< 0.01	.998	< 0.01
Indirect	.985	< 0.01	.995	< 0.01	.998	< 0.01
Combined	.991	< 0.01	.997	< 0.01	.998	< 0.01

White Non-Hispanic Males						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	18.1	26.5	18.7	28.5	19.4	30.2
Indirect	18.0	26.5	18.7	28.5	19.4	30.2
Combined	18.0	26.4	18.6	28.4	19.3	30.0
SEER 1988 to 1992	20.3	31.5	20.3	31.5	20.3	31.5
Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
Direct	2.2		1.6		0.9	
Indirect	2.3		1.6		1.9	
Combined	2.3		1.7		1.0	
Hispanic Identifier	Pearson r	p value	Pearson r	p value	Pearson r	p value
Direct	.996	< 0.01	.993	< 0.01	.996	< 0.01
Indirect	.996	< 0.01	.993	< 0.01	.996	< 0.01
Combined	.996	< 0.01	.993	< 0.01	.996	< 0.01

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute
 ISCR Illinois State Cancer Registry

Direct: ISCR Hispanic origin only

Indirect: Adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

Combined: ISCR Hispanic origin, adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 26.
Descriptive and Analytic Statistics
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Age-Adjusted Cancer Incidence Rates (n=24) for White Hispanic and White Non-Hispanic Females
Using *Three Hispanic Identifiers and Three Time Periods for ISCR

White Hispanic Females						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	5.6	7.7	7.2	9.9	8.0	10.9
Indirect	7.6	11.2	8.3	12.1	9.1	13.2
Combined	8.6	12.4	9.6	13.6	10.6	15.0
SEER 1988 to 1992	10.0	14.7	10.0	14.7	10.0	14.7
Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
Direct	4.4		2.8		2.0	
Indirect	2.8		2.1		1.5	
Combined	1.4		0.4		-0.6	
Hispanic identifier	Pearson r	p value	Pearson r	p value	Pearson r	p value
Direct	.988	< 0.01	.991	< 0.01	.992	< 0.01
Indirect	.995	< 0.01	.996	< 0.01	.996	< 0.01
Combined	.996	< 0.01	.997	< 0.01	.998	< 0.01

White Non-Hispanic Females						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	13.5	22.6	13.6	22.5	14.0	23.2
Indirect	13.4	22.4	13.6	22.4	13.9	23.1
Combined	13.4	22.4	13.5	22.4	13.9	23.0
SEER 1988 to 1992	14.5	23.8	14.5	23.8	14.5	23.8
Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
Direct	1.0		0.9		0.5	
Indirect	1.1		0.9		0.6	
Combined	1.1		1.0		0.6	
Hispanic Identifier	Pearson r	p value	Pearson r	p value	Pearson r	p value
Direct	.998	< 0.01	.999	< 0.01	.999	< 0.01
Indirect	.998	< 0.01	.999	< 0.01	.999	< 0.01
Combined	.998	< 0.01	.999	< 0.01	.999	< 0.01

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute
 ISCR Illinois State Cancer Registry

Direct: ISCR Hispanic origin only

Indirect: Adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

Combined: ISCR Hispanic origin, adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 27.
Descriptive and Analytic Statistics
Illinois State Cancer Registry Observed and Expected Cancer Incidence Rates
Calculated over Three Time Periods for White Hispanic Males and Females
Using Three Hispanic Identifiers*

	ISCR 1988 to 1992						ISCR 1989 to 1993						ISCR 1990 to 1994					
	Observed		Expected		O-E	r	Observed		Expected		O-E	r	Observed		Expected		O-E	r
Hispanic Identifier	Mean	S.D	Mean	S.D			Mea	S.D	Mea	S.D			Mea	S.D	Mea	S.D		
Males																		
Direct	7.1	9.8	12.4	16.6	-5.3	.994	9.1	12.7	12.8	18.0	-3.7	.996	10.5	15.4	13.3	19.1	-2.8	.993
Indirect	8.8	11.4	12.3	16.6	-3.5	.995	9.7	13.2	13.1	19.9	-3.4	.997	10.8	15.7	13.2	19.1	-2.4	.993
Combined	10.3	14.0	12.3	16.6	-2.0	.996	11.6	16.5	12.8	17.9	-1.2	.997	13.2	19.7	13.2	19.0	0.0	.994
Females																		
Direct	5.6	7.7	9.5	14.1	-3.9	.994	7.2	9.9	9.6	14.0	-2.4	.995	8.0	10.9	9.8	14.3	-1.8	.995
Indirect	7.2	10.5	9.5	14.0	-2.3	.996	7.9	11.3	9.6	14.0	-1.7	.996	8.5	12.2	9.8	14.3	-1.3	.996
Combined	8.6	12.4	9.4	13.9	-0.8	.997	9.6	13.6	9.5	13.9	0.1	.998	10.6	15.0	9.7	14.3	0.9	.998

O-E = Observed minus Expected

r = Pearson Correlation

*Hispanic identifiers

Direct: ISCR Hispanic origin only

Indirect: Adjusted Hispanic non-U.S. birthplace and/or heavily Hispanic last or maiden name

Combined: ISCR Hispanic origin and/or adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 28.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for Hispanic Males
Using **Three Hispanic Identifiers and Three Time Periods for ISCR

	Direct Hispanic Identification			Indirect Hispanic Identification			Combined Direct and Indirect Hispanic Identification			
	SEER 1988-92	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	319.0	169.8	216.5	250.0	215.5	233.4	257.9	251.5	279.0	315.6
Oral Cavity excl Nasopharynx	8.9	4.4	6.0	6.8	4.9	5.8	6.0	5.9	7.1	7.8
Nasopharynx	0.6	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2
Esophagus	4.4	3.3	3.7	5.0	4.3	3.9	4.8	4.6	4.2	5.6
Stomach	15.3	8.3	11.5	12.4	10.5	11.6	12.0	11.8	13.3	14.3
Colon and Rectum	38.3	20.7	24.1	26.1	27.3	28.9	31.5	31.2	33.5	36.3
Colon excl Rectum	24.4	14.2	16.2	17.4	18.6	19.5	21.2	21.2	22.5	24.3
Rectum	13.8	6.4	7.9	8.7	8.7	9.4	10.3	10.0	10.9	12.0
Liver and Intrahepatic Bile Duct	6.7	3.1	4.9	5.4	4.2	5.5	5.9	4.3	5.7	6.2
Pancreas	8.0	3.9	5.4	6.4	5.1	5.4	6.2	5.9	6.3	7.6
Larynx	5.1	2.8	3.6	4.3	3.3	4.1	4.8	4.2	4.8	5.7
Lung and Bronchus	41.8	22.5	28.8	31.0	30.6	30.7	30.1	36.2	37.9	39.0
Melanomas	2.7	0.8	1.3	1.9	0.9	1.2	1.4	1.2	1.7	2.2
Breast (invasive)	0.6	0.2	0.5	0.7	0.3	0.5	0.7	0.3	0.5	0.7
Prostate	89.0	42.9	57.0	71.1	49.6	58.3	72.0	61.5	73.9	91.3
Testis	2.9	1.1	1.5	1.9	2.1	1.9	2.0	2.3	2.2	2.3
Urinary Bladder	15.8	10.0	11.4	12.4	12.8	13.3	14.0	15.0	15.8	17.4
Kidney and Renal Pelvis	10.0	5.0	6.3	8.4	7.4	7.7	9.1	8.2	8.6	10.9
Brain and Other Nervous System	5.2	2.7	4.0	3.8	4.4	3.9	3.6	4.9	4.9	4.7
Thyroid	2.0	0.9	1.2	1.1	1.0	1.0	1.1	1.4	1.5	1.4
Hodgkin's Disease	2.5	2.0	2.3	2.3	2.4	2.3	2.4	2.7	2.6	2.6
Non-Hodgkin's Lymphoma	14.1	9.6	11.7	14.2	12.0	12.5	14.1	13.0	14.3	16.9
Multiple Myeloma	4.2	2.8	3.3	3.6	3.9	3.9	3.9	4.4	4.4	4.8
Leukemias	9.4	5.2	6.0	6.9	5.9	6.7	7.3	7.1	8.0	8.7

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

**Direct: ISCR Hispanic origin only; indirect: adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name; combined: ISCR Hispanic origin, adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 29.
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Five-Year Age-Adjusted Cancer Incidence Rates* for Hispanic (All Races) Females
Using **Three Hispanic Identifiers and Three Time Periods for ISCR

	SEER 1988-92	Direct Hispanic Identification			Indirect Hispanic Identification			Combined Direct and Indirect Hispanic Identification		
		ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94	ISCR 1988-92	ISCR 1989-93	ISCR 1990-94
All Sites	243.0	139.5	178.0	198.4	189.7	201.5	215.4	223.2	243.6	265.6
Oral Cavity excl Nasopharynx	2.7	1.7	2.2	2.4	1.9	2.2	2.3	2.5	2.8	2.7
Nasopharynx	0.6	0.2	0.2	0.3	0.4	0.4	0.5	0.4	0.4	0.5
Esophagus	0.9	0.1	0.5	0.9	0.5	1.1	1.3	0.5	1.1	1.4
Stomach	8.0	3.9	5.8	6.5	5.2	6.5	7.1	5.9	7.5	8.3
Colon and Rectum	24.7	13.8	17.6	20.3	17.7	18.1	19.3	21.9	24.0	27.3
Colon excl Rectum	17.3	9.0	11.7	14.1	12.3	12.0	12.8	15.4	16.2	18.9
Rectum	7.4	4.8	5.8	6.2	5.4	6.1	6.5	6.5	7.8	8.4
Liver and Intrahepatic Bile Duct	2.6	1.2	1.4	1.8	2.3	2.1	2.6	2.3	2.1	2.6
Pancreas	6.9	4.1	5.3	5.6	6.3	6.3	5.5	6.9	7.4	7.0
Larynx	0.7	0.8	0.7	0.7	1.1	1.1	1.3	1.3	1.2	1.5
Lung and Bronchus	19.5	9.5	12.1	15.3	15.2	16.3	18.1	18.0	19.7	23.0
Melanomas	3.2	1.0	1.2	1.4	1.8	1.8	1.5	2.1	2.0	2.0
Breast (invasive)	69.8	36.5	47.0	51.8	52.2	55.5	59.8	61.3	66.6	73.2
Breast (in situ)	7.8	2.7	4.4	5.8	4.0	5.0	6.0	4.8	6.3	7.8
Cervix (invasive)	16.2	13.2	16.5	18.3	15.8	17.0	18.7	18.1	19.6	21.2
Corpus Uteri	13.7	8.8	10.6	10.3	11.7	12.5	12.3	13.8	15.2	14.9
Ovary	11.4	6.0	7.4	8.6	7.4	8.2	9.4	9.5	10.5	11.8
Urinary Bladder	4.3	2.4	3.2	3.5	3.3	3.6	3.8	4.1	4.7	5.2
Kidney and Renal Pelvis	5.5	3.2	3.9	4.6	4.8	4.8	5.4	5.1	5.1	5.9
Brain and Other Nervous System	3.8	2.9	3.5	3.0	3.6	3.6	3.3	4.5	4.7	4.3
Thyroid	6.2	3.4	4.4	5.1	4.6	4.5	5.3	5.6	5.7	6.5
Hodgkin's Disease	1.6	1.2	1.4	1.3	1.3	1.5	1.4	1.6	1.8	1.6
Non-Hodgkin's Lymphoma	9.1	5.4	7.3	8.1	6.4	7.4	7.7	7.6	9.1	9.9
Multiple Myeloma	3.0	2.6	3.1	3.2	3.3	3.1	3.2	3.6	3.7	3.6
Leukemias	6.4	4.5	5.6	6.6	5.4	5.7	6.6	6.0	6.7	7.7

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute

ISCR Illinois State Cancer Registry

*Rates are per 100,000 population and age-adjusted to the 1970 U.S. standard population

**Direct: ISCR Hispanic origin only; indirect: adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name; combined: ISCR Hispanic origin, adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 30.
Descriptive and Analytic Statistics
Comparison of Illinois State Cancer Registry with Surveillance, Epidemiology and End Results Program
Age-Adjusted Cancer Incidence Rates (n=22) for Hispanic (All Races) Males and Females
Using *Three Hispanic Identifiers and Three Time Periods for ISCR

Hispanic (All Races) Males						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	6.9	9.6	8.8	12.6	10.3	15.3
Indirect	8.8	11.5	9.5	13.0	10.6	15.5
Combined	10.3	14.1	11.4	16.4	13.0	19.7
SEER 1988 to 1992	13.1	19.4	13.1	19.4	13.1	19.4

Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	6.2		4.2		2.8	
Indirect	4.3		3.6		2.5	
Combined	2.8		1.7		0.1	

Hispanic identifier	Pearson r		p value		Pearson r		p value	
	r	p	r	p	r	p	r	p
Direct	.995	< 0.01	.998	< 0.01	.997	< 0.01	.997	< 0.01
Indirect	.986	< 0.01	.996	< 0.01	.997	< 0.01	.997	< 0.01
Combined	.991	< 0.01	.998	< 0.01	.998	< 0.01	.998	< 0.01

Hispanic (All Races) Females						
Hispanic Identifier	ISCR 1988 to 1992		ISCR 1989 to 1993		ISCR 1990 to 1994	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	5.4	7.4	6.9	9.5	7.7	10.5
Indirect	7.3	10.5	7.8	11.1	8.4	12.0
Combined	8.6	12.3	9.5	13.4	10.4	14.8
SEER 1988 to 1992	9.8	13.8	9.8	13.8	9.8	3.8

Hispanic Identifier	SEER minus ISCR		SEER minus ISCR		SEER minus ISCR	
	Mean	S.D.	Mean	S.D.	Mean	S.D.
Direct	4.4		2.9		2.1	
Indirect	2.5		2.0		1.4	
Combined	1.2		0.3		-0.6	

Hispanic Identifier	Pearson r		p value		Pearson r		p value	
	r	p	r	p	r	p	r	p
Direct	.984	< 0.01	.987	< 0.01	.988	< 0.01	.988	< 0.01
Indirect	.995	< 0.01	.995	< 0.01	.995	< 0.01	.995	< 0.01
Combined	.992	< 0.01	.992	< 0.01	.993	< 0.01	.993	< 0.01

SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute
 ISCR Illinois State Cancer Registry

Direct: ISCR Hispanic origin only

Indirect: Adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

Combined: ISCR Hispanic origin, adjusted non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 31.
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Males Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994	
All Sites	319.0	No Formal Identification				ISCR Hispanic Identification					
Direct	157.2	9.4	12.7	33.9	183.6	197.7	193.7	200.3	215.9	262.4	
Indirect	215.9	180.8	206.1	202.3	225.1	217.3	192.5	212.2	225.3	258.8	
Combined	251.6	185.6	211.9	213.6	254.2	250.7	242.1	259.3	271.7	326.3	
Oral Cavity excl Nasopharynx	8.9	No Formal Identification				ISCR Hispanic Identification					
Direct	4.5	0.0	1.9	0.9	6.3	6.4	6.0	2.2	6.9	7.6	
Indirect	5.9	6.7	11.0	2.9	7.5	5.7	6.0	2.3	5.5	6.5	
Combined	7.1	6.7	12.5	2.9	8.1	7.3	7.5	3.0	7.4	8.6	
Nasopharynx	0.6	No Formal Identification				ISCR Hispanic Identification					
Direct	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.5	
Indirect	0.2	0.3	1.2	0.0	0.0	0.0	0.3	0.0	0.0	0.5	
Combined	0.2	0.3	1.2	0.0	0.0	0.0	0.3	0.0	0.0	0.5	
Esophagus	4.4	No Formal Identification				ISCR Hispanic Identification					
Direct	2.9	0.0	0.0	0.0	2.4	5.8	3.8	3.3	2.0	6.2	
Indirect	4.2	3.4	5.2	5.9	2.9	4.9	4.8	2.8	2.6	5.3	
Combined	4.6	3.4	5.2	5.9	2.9	5.8	4.8	3.3	2.7	6.9	
Stomach	15.3	No Formal Identification				ISCR Hispanic Identification					
Direct	7.8	0.5	0.5	0.0	11.5	10.8	9.0	8.2	13.1	11.8	
Indirect	10.6	9.9	9.1	9.1	15.1	10.0	8.9	8.1	11.5	12.8	
Combined	11.8	9.9	9.1	9.1	15.1	12.0	11.1	10.0	13.3	14.7	
Colon and Rectum	38.3	No Formal Identification				ISCR Hispanic Identification					
Direct	16.7	1.0	1.0	4.7	20.7	27.9	22.5	22.8	17.5	23.4	
Indirect	26.4	25.3	23.9	25.9	25.1	32.0	21.0	28.5	25.7	28.7	
Combined	29.4	25.4	23.9	26.8	29.3	34.4	27.3	33.5	28.8	32.8	
Colon excl Rectum	24.4	No Formal Identification				ISCR Hispanic Identification					
Direct	11.0	0.0	0.0	2.9	13.8	17.1	15.7	18.1	10.0	15.2	
Indirect	17.0	12.7	12.0	17.2	17.2	19.9	13.0	22.7	16.4	19.6	
Combined	19.0	12.7	12.0	18.1	20.1	21.3	17.0	26.1	18.6	21.9	
Rectum	13.8	No Formal Identification				ISCR Hispanic Identification					
Direct	5.7	1.0	1.0	1.8	6.9	10.8	6.8	4.7	7.5	8.3	
Indirect	9.4	12.6	11.9	8.7	7.9	12.1	8.0	5.8	9.3	9.1	
Combined	10.4	12.6	11.9	8.7	9.2	13.1	10.3	7.4	10.2	10.9	

* Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population

**Hispanic Identifiers: Direct, ISCR Hispanic origin only; In-direct, adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name; combined, ISCR Hispanic origin and/or adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

***SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute cancer incidence rates 1988-1992

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997.

Table 31 (continued)
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Males Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
Liver/Intrahepatic Bile Duct	6.7	No Formal Identification				ISCR Hispanic Identification				
Direct		3.1	0.0	0.0	2.4	2.3	5.6	4.1	7.4	3.7
Indirect		4.8	5.9	5.1	3.3	3.0	5.5	5.3	7.6	3.9
Combined		4.9	5.9	5.1	3.3	3.3	5.6	5.3	8.1	4.4
Pancreas	8.0	No Formal Identification				ISCR Hispanic Identification				
Direct		4.0	0.0	1.1	4.8	3.8	5.3	4.4	6.4	7.2
Indirect		5.3	3.3	5.1	5.0	3.4	6.1	3.5	6.6	6.9
Combined		6.1	3.3	5.7	5.0	4.3	7.1	5.3	7.2	8.7
Larynx	5.1	No Formal Identification				ISCR Hispanic Identification				
Direct		2.5	0.0	0.0	1.7	2.9	5.5	2.5	3.8	3.8
Indirect		3.9	4.6	3.3	2.7	2.9	4.0	3.3	5.6	4.7
Combined		4.4	4.6	3.3	2.7	3.3	6.1	4.2	5.6	5.3
Lung and Bronchus	41.8	No Formal Identification				ISCR Hispanic Identification				
Direct		20.8	3.3	3.2	33.0	25.0	20.3	24.8	29.3	32.3
Indirect		29.5	31.4	33.6	42.4	28.9	20.6	26.2	25.3	28.9
Combined		35.3	33.2	35.1	47.1	34.3	28.4	32.8	33.3	38.7
Melanomas	2.7	No Formal Identification				ISCR Hispanic Identification				
Direct		1.1	0.0	0.0	0.2	1.8	0.8	0.8	2.3	2.5
Indirect		1.2	2.2	1.0	0.5	1.3	0.5	1.0	2.2	1.0
Combined		1.7	2.2	1.0	0.5	1.8	0.8	1.8	2.7	2.5
Breast (invasive)	0.6	No Formal Identification				ISCR Hispanic Identification				
Direct		0.4	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.7
Indirect		0.4	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.7
Combined		0.4	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.7
Prostate	89.0	No Formal Identification				ISCR Hispanic Identification				
Direct		43.3	3.3	0.5	44.0	44.9	45.0	60.4	62.8	85.4
Indirect		53.1	25.7	46.6	49.8	52.2	41.6	60.4	60.2	87.3
Combined		64.9	27.4	46.6	59.5	61.9	57.5	76.7	78.3	108.2
Testis	2.9	No Formal Identification				ISCR Hispanic Identification				
Direct		1.2	0.0	0.3	0.8	2.2	1.1	1.2	1.8	2.3
Indirect		2.0	2.4	1.5	2.1	1.9	1.7	1.8	1.8	2.0
Combined		2.2	2.4	1.5	2.5	2.2	1.7	1.9	2.1	2.6
Urinary Bladder	15.8	No Formal Identification				ISCR Hispanic Identification				
Direct		8.1	0.0	0.7	10.5	11.6	12.0	10.4	8.3	11.5
Indirect		11.3	8.8	7.8	12.3	13.7	14.2	11.0	9.9	11.4
Combined		13.5	8.8	8.5	14.6	14.8	16.5	14.5	12.3	16.4

Table 31 (continued)
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Males Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Kidney and Renal Pelvis	10.0	No Formal Identification				ISCR Hispanic Identification					
Direct	5.3	0.0	1.3	2.0	5.6	4.0	6.3	6.0	6.9	11.2	
Indirect	7.9	7.4	11.5	7.2	6.5	5.2	9.2	7.9	6.2	9.7	
Combined	9.1	7.4	11.5	8.2	7.3	6.4	9.2	8.9	7.4	13.7	
Brain/Other Nervous System	5.2	No Formal Identification				ISCR Hispanic Identification					
Direct	2.4	0.0	0.0	0.2	3.6	2.3	3.3	3.5	5.5	2.1	
Indirect	4.0	2.3	6.0	6.8	5.3	2.3	3.5	4.0	3.2	3.1	
Combined	4.7	2.3	6.0	7.0	6.2	2.9	4.2	4.1	5.5	3.9	
Thyroid	2.0	No Formal Identification				ISCR Hispanic Identification					
Direct	0.8	0.3	0.0	0.2	1.8	0.3	1.7	0.3	1.2	1.0	
Indirect	1.4	3.5	2.3	1.8	0.8	0.4	1.0	0.9	1.6	1.0	
Combined	1.7	3.8	2.3	1.8	1.8	0.6	1.7	1.1	1.6	1.0	
Hodgkin s Disease	2.5	No Formal Identification				ISCR Hispanic Identification					
Direct	1.6	0.0	0.0	0.0	3.1	2.2	1.7	2.4	1.4	2.6	
Indirect	2.1	2.0	1.2	2.6	3.0	1.9	2.6	1.7	1.8	2.7	
Combined	2.3	2.0	1.2	2.6	3.2	2.2	2.6	2.5	1.8	2.7	
Non-Hodgkin s Lymphoma	14.1	No Formal Identification				ISCR Hispanic Identification					
Direct	8.7	0.0	0.2	2.4	7.7	10.6	10.9	14.0	10.5	15.8	
Indirect	10.9	7.5	8.1	9.8	9.6	10.6	11.2	16.2	10.0	13.5	
Combined	12.6	7.5	8.1	10.2	10.4	11.8	12.7	17.3	13.6	17.9	
Multiple Myeloma	4.2	No Formal Identification				ISCR Hispanic Identification					
Direct	2.2	0.0	0.0	0.5	1.7	3.5	3.8	3.8	2.3	2.6	
Indirect	3.4	4.6	1.9	4.7	2.2	5.4	3.4	3.1	3.6	2.0	
Combined	3.8	4.6	1.9	4.7	2.2	6.2	4.3	3.8	3.6	3.4	
Leukemia	9.4	No Formal Identification				ISCR Hispanic Identification					
Direct	4.5	0.0	0.7	1.8	4.9	4.2	6.1	7.6	5.3	7.4	
Indirect	6.0	5.2	4.0	5.5	6.1	4.0	5.3	7.9	7.9	7.2	
Combined	6.9	5.2	4.6	5.7	7.5	4.4	7.0	9.7	8.6	8.4	

Table 32.
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Females Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
All Sites	243.0	No Formal Identification				ISCR Hispanic Identification				
Direct		126.2	8.5	10.4	143.7	176.4	155.9	168.9	180.2	189.6
Indirect		185.9	176.1	168.1	190.1	191.8	183.3	184.0	190.3	199.5
Combined		218.4	178.9	172.3	221.8	232.0	213.3	228.4	237.2	255.4
Oral Cavity excl Nasopharynx	2.7	No Formal Identification				ISCR Hispanic Identification				
Direct		1.7	0.0	0.0	3.2	1.8	1.6	1.3	2.4	3.2
Indirect		2.3	3.7	2.2	4.1	2.1	0.8	1.5	1.9	3.5
Combined		2.7	3.7	2.2	4.7	2.6	1.9	1.5	2.4	3.5
Nasopharynx	0.6	No Formal Identification				ISCR Hispanic Identification				
Direct		0.2	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.4
Indirect		0.3	0.0	0.0	0.2	0.7	0.5	0.5	0.0	0.4
Combined		0.3	0.0	0.0	0.2	0.7	0.5	0.5	0.0	0.4
Esophagus	0.9	No Formal Identification				ISCR Hispanic Identification				
Direct		0.5	0.0	0.0	0.0	0.0	0.6	0.0	1.6	1.7
Indirect		1.0	2.0	0.7	0.6	0.6	1.0	0.0	2.6	1.2
Combined		1.1	2.0	0.7	0.6	0.6	1.0	0.0	2.6	1.7
Stomach	8.0	No Formal Identification				ISCR Hispanic Identification				
Direct		4.0	0.0	0.0	4.5	4.8	3.0	6.2	7.7	6.1
Indirect		5.7	2.6	7.2	5.8	6.5	2.5	6.3	8.5	6.8
Combined		6.5	2.6	7.2	6.7	7.1	3.0	7.5	10.0	7.8
Colon and Rectum	24.7	No Formal Identification				ISCR Hispanic Identification				
Direct		13.2	0.9	2.8	14.3	20.7	11.6	15.8	18.9	21.1
Indirect		17.5	17.9	19.1	17.8	18.3	13.4	18.1	16.7	17.4
Combined		22.5	18.4	21.1	19.9	24.5	16.6	24.2	25.3	27.4
Colon excl Rectum	17.3	No Formal Identification				ISCR Hispanic Identification				
Direct		9.2	0.4	2.8	10.2	13.3	7.3	9.8	13.5	16.6
Indirect		11.8	10.8	12.6	12.2	12.4	9.1	11.8	10.2	12.0
Combined		15.6	10.8	14.5	14.2	16.1	11.8	16.1	16.6	20.6
Rectum	7.4	No Formal Identification				ISCR Hispanic Identification				
Direct		3.9	0.5	1.2	4.1	7.4	4.2	6.0	5.4	4.5
Indirect		5.7	7.1	6.5	5.6	5.9	4.3	6.3	6.5	5.4
Combined		6.9	7.6	6.5	5.8	8.4	4.8	8.1	8.7	6.8

* Rates are per 100,000 population and are age-adjusted to the 1970 U.S. standard population

**Hispanic Identifiers: Direct, ISCR Hispanic origin only; In-direct, adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name; combined, ISCR Hispanic origin and/or adjusted Hispanic non-U.S. birthplace and/or adjusted heavily Hispanic last or maiden name

***SEER Surveillance, Epidemiology and End Results Program of the National Cancer Institute cancer incidence rates 1988-1992

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997.

Table 32 (continued).
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Females Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
Liver/Intrahepatic Bile Duct	2.6	No Formal Identification				ISCR Hispanic Identification				
Direct	1.2	0.0	0.0	0.0	2.3	2.2	0.4	1.0	0.8	3.5
Indirect	2.3	1.6	1.4	3.4	3.4	2.6	0.4	1.6	2.2	4.2
Combined	2.3	1.6	1.4	3.4	3.4	2.6	0.4	1.6	2.2	4.2
Pancreas	6.9	No Formal Identification				ISCR Hispanic Identification				
Direct	3.6	0.0	0.0	1.1	5.2	3.3	5.4	4.6	5.8	4.7
Indirect	5.7	5.8	6.5	8.2	8.0	2.8	6.3	5.9	6.3	2.8
Combined	6.6	5.8	6.5	8.2	8.8	3.9	7.3	5.9	8.1	5.1
Larynx	0.7	No Formal Identification				ISCR Hispanic Identification				
Direct	0.4	0.0	0.0	0.5	0.0	1.3	0.4	1.4	0.2	0.0
Indirect	0.9	0.7	0.4	0.7	0.0	2.3	0.4	1.8	0.6	1.0
Combined	1.0	0.7	0.4	1.2	0.0	2.3	0.4	2.3	0.6	1.0
Lung and Bronchus	19.5	No Formal Identification				ISCR Hispanic Identification				
Direct	9.1	0.0	0.0	0.0	7.9	13.5	9.9	13.7	11.2	18.2
Indirect	14.8	12.4	11.2	15.1	12.7	19.4	14.6	13.2	16.0	16.7
Combined	17.6	12.4	11.2	15.1	15.0	22.5	16.0	19.3	18.7	24.1
Melanomas	3.2	No Formal Identification				ISCR Hispanic Identification				
Direct	0.9	0.0	0.7	0.0	0.9	1.0	1.4	1.5	0.7	1.7
Indirect	1.5	0.9	1.1	1.4	3.3	1.8	1.0	1.6	0.9	1.2
Combined	1.7	0.9	1.1	1.4	3.3	1.8	1.5	2.2	0.9	2.4
Breast (invasive)	69.8	No Formal Identification				ISCR Hispanic Identification				
Direct	33.2	2.6	4.0	7.3	37.8	43.8	44.5	42.0	49.6	47.5
Indirect	51.0	45.9	43.1	54.0	49.6	51.0	52.2	49.8	55.2	55.0
Combined	59.7	47.2	44.7	57.2	58.0	62.2	60.6	62.4	66.1	70.4
Breast (in situ)	7.8	No Formal Identification				ISCR Hispanic Identification				
Direct	3.4	0.0	0.0	1.3	1.7	3.8	2.0	4.1	8.2	6.6
Indirect	5.4	5.9	8.3	4.7	3.7	4.9	3.4	3.3	7.9	6.4
Combined	6.4	5.9	8.3	5.1	3.7	6.0	3.4	5.2	10.5	8.7
Cervix Uteri	16.2	No Formal Identification				ISCR Hispanic Identification				
Direct	11.1	0.7	0.2	1.4	9.8	14.4	19.8	17.3	15.0	14.6
Indirect	15.1	13.4	15.3	12.4	10.9	17.0	21.1	15.6	14.8	14.9
Combined	16.9	13.4	15.3	13.8	13.9	18.0	22.4	19.6	16.9	17.1
Corpus Uteri	13.7	No Formal Identification				ISCR Hispanic Identification				
Direct	7.1	0.7	1.8	1.2	11.6	12.5	7.7	9.6	8.6	7.6
Indirect	11.0	13.2	8.6	7.5	15.3	12.8	10.2	11.6	9.4	10.8
Combined	12.8	13.2	9.2	8.7	18.1	16.1	11.6	13.1	12.9	12.2

Table 32 (continued)
Comparison of Illinois State Cancer Registry Age-Adjusted Cancer Incidence Rates* for
Selected Sites in Females Using Three Hispanic Identifiers, 1986-1994**

	SEER 1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
Ovary	11.4	No Formal Identification				ISCR Hispanic Identification				
Direct	5.6	0.9	0.0	2.9	5.6	6.6	7.3	6.8	8.2	9.2
Indirect	7.7	7.2	6.6	7.2	6.3	7.4	7.4	8.1	8.9	9.4
Combined	9.4	7.2	6.6	9.1	8.4	8.8	9.7	10.4	11.2	12.0
Urinary Bladder	4.3	No Formal Identification				ISCR Hispanic Identification				
Direct	2.4	0.7	0.0	0.9	3.4	2.8	2.6	2.2	3.8	3.6
Indirect	3.3	1.4	3.8	3.6	4.5	1.8	5.1	1.7	3.6	4.2
Combined	4.2	1.4	3.8	3.9	5.1	3.4	5.6	2.6	5.0	6.0
Kidney and Renal Pelvis	5.5	No Formal Identification				ISCR Hispanic Identification				
Direct	2.9	0.2	0.0	1.2	2.4	6.0	1.3	4.6	3.9	4.7
Indirect	4.5	4.0	2.4	4.5	5.0	6.4	2.5	5.4	3.4	6.0
Combined	4.9	4.0	2.4	5.7	5.0	6.6	2.6	5.4	4.3	7.0
Brain/Other Nervous System	3.8	No Formal Identification				ISCR Hispanic Identification				
Direct	2.1	0.2	0.0	0.2	4.0	3.7	3.8	2.3	2.8	1.3
Indirect	3.2	1.6	4.0	2.8	6.1	3.3	3.9	1.7	2.5	3.3
Combined	3.9	1.6	4.0	2.8	6.8	4.9	5.0	2.6	3.5	3.7
Thyroid	6.2	No Formal Identification				ISCR Hispanic Identification				
Direct	3.2	0.0	0.0	0.4	3.4	5.9	3.7	3.3	4.3	5.6
Indirect	4.9	5.8	4.9	6.7	3.3	5.3	3.3	4.4	4.8	5.6
Combined	5.8	5.8	4.9	7.1	5.0	6.3	4.5	4.7	6.3	7.1
Hodkin s Disease	1.6	No Formal Identification				ISCR Hispanic Identification				
Direct	0.9	0.0	0.0	0.0	2.1	1.6	1.5	0.6	1.1	1.2
Indirect	1.2	1.9	1.2	0.2	1.7	1.7	1.8	0.8	1.1	1.0
Combined	1.5	1.9	1.2	0.2	2.7	2.1	2.0	0.8	1.1	1.4
Non-Hodgkin s Lymphoma	9.1	No Formal Identification				ISCR Hispanic Identification				
Direct	5.0	0.4	0.0	0.0	5.7	6.7	4.9	8.4	7.5	7.9
Indirect	6.6	8.0	4.6	3.8	9.1	4.8	4.3	9.0	7.0	8.1
Combined	7.9	8.5	4.6	3.8	9.6	6.7	5.8	10.8	9.2	10.2
Multiple Myeloma	3.0	No Formal Identification				ISCR Hispanic Identification				
Direct	2.0	0.0	0.0	0.0	3.1	4.1	1.8	3.6	2.1	2.6
Indirect	2.8	3.6	2.4	2.9	2.5	4.0	2.2	4.2	1.7	2.1
Combined	3.1	3.6	2.4	2.9	3.5	4.5	2.2	4.2	2.6	2.6
Leukemia	6.4	No Formal Identification				ISCR Hispanic Identification				
Direct	4.0	0.0	0.3	0.7	3.6	6.8	4.6	5.7	5.3	7.0
Indirect	5.4	6.0	4.9	3.5	4.7	7.2	5.3	5.6	4.3	7.2
Combined	6.1	6.0	4.9	3.5	5.0	8.8	6.0	6.2	5.8	8.2

Appendix A

Additional Tables

Hispanic Identification
in the
Illinois State Cancer Registry

Table 1.
Comparison of Last Names for Males on the Illinois State Cancer Registry, 1986 to 1994 with
the 1990 U.S. Bureau of the Census Spanish Surname Study Sample
Heavily Hispanic (0125) and Rarely Hispanic (5500) Categories

Heavily Hispanic Surnames (Category 0125).				Rarely Hispanic Surnames (Category 5500).			
ISCR 1986 to 1994		Census 1990		ISCR 1986 to 1994		Census 1990	
Rank	Surname (Occurrences)	Rank	Surname	Rank	Surname (Occurrences)	Rank	Surname
1.	Garcia (124)	1.	Garcia	1.	Johnson (1,735)	1.	Smith
2.	Rodriguez (105)	2.	Martinez	2.	Smith (1,711)	2.	Johnson
3.	Martinez (90)	3.	Rodriguez	3.	Williams (1,079)	3.	Williams
4.	Hernandez (89)	4.	Lopez	4.	Miller (999)	4.	Brown
5.	Gonzalez (88)	5.	Hernandez	5.	Jones (990)	5.	Jones
6.	Lopez (87)	6.	Gonzalez	6.	Brown (973)	6.	Davis
7.	Perez (85)	7.	Perez	7.	Anderson (844)	7.	Miller
8.	Rivera (61)	8.	Sanchez	8.	Davis (809)	8.	Wilson
9.	Ramirez (53)	9.	Rivera	9.	Wilson (581)	9.	Anderson
10.	Ortiz (45)	10.	Ramirez	10.	Taylor (546)	10.	Moore
11.	Sanchez (44)	11.	Torres	11.	Moore (535)	11.	Taylor
12.	Flores (41)	12.	Gonzales	12.	Jackson (504)	12.	Thomas
28.	Gonzales (24)	13.	Flores	14.	Thomas (496)	20.	Jackson
		16.	Ortiz				

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 2.
Comparison of Last Names for Females on the Illinois State Cancer Registry, 1986 to 1994 with
the 1990 U.S. Bureau of the Census Spanish Surname Study Sample
Heavily Hispanic (0125) and Rarely Hispanic (5500) Categories

Heavily Hispanic Surnames (Category 0125).				Rarely Hispanic Surnames (Category 5500).			
ISCR 1986 to 1994		Census 1990		ISCR 1986 to 1994		Census 1990	
Rank	Surname (Occurrences)	Rank	Surname	Rank	Surname (Occurrences)	Rank	Surname
1.	Garcia (158)	1.	Garcia	1.	Smith (1,872)	1.	Smith
2.	Martinez (127)	2.	Martinez	2.	Johnson (1,783)	2.	Johnson
3.	Rodriguez (127)	3.	Rodriguez	3.	Williams (1,151)	3.	Williams
4.	Gonzalez (110)	4.	Lopez	4.	Miller (1,047)	4.	Brown
5.	Hernandez (106)	5.	Hernandez	5.	Brown (1,042)	5.	Jones
6.	Lopez (88)	6.	Gonzalez	6.	Jones (992)	6.	Davis
7.	Perez (84)	7.	Perez	7.	Davis (831)	7.	Miller
8.	Rivera (66)	8.	Sanchez	8.	Anderson (824)	8.	Wilson
9.	Ramirez (61)	9.	Rivera	9.	Wilson (608)	9.	Anderson
10.	Sanchez (55)	10.	Ramirez	10.	Thomas (552)	10.	Moore
11.	Cruz (54)	11.	Torres	11.	Jackson (550)	11.	Taylor
12.	Diaz (51)	12.	Gonzales	12.	Moore (543)	12.	Thomas
12.	Flores (51)						
30.	Gonzales (24)	13.	Flores	14.	Taylor (535)	20.	Jackson
15.	Torres (49)	14.	Diaz				
		17.	Cruz				

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 3.
Most Common Heavily Hispanic and Rarely Hispanic Maiden Names, Illinois State
Cancer Registry
1986 to 1994

Heavily Hispanic Surnames (Category 125).		Rarely Hispanic Surnames (Category 5500).	
ISCR 1986 to 1994		ISCR 1986 to 1994	
Rank	Surname (Occurrences)	Rank	Surname (Occurrences)
1.	Rodriguez (27)	1.	Smith (508)
2.	Garcia (23)	2.	Johnson (482)
3.	Hernandez (19)	3.	Miller (332)
4.	Perez (16)	4.	Williams (282)
5.	Martinez (16)	5.	Brown (257)
6.	Lopez (14)	6.	Jones (255)
7.	Rivera (13)	7.	Anderson (225)
8.	Gonzalez (13)	8.	Davis (185)
9.	Sanchez (12)	9.	Moore (162)
10.	Morales (12)	10.	Wilson (155)
11.	Diaz (12)	11.	Nelson (146)
12.	Herrera (11)	12.	Taylor (146)
13.	Torres (9)	13.	Jackson (143)
14.	Gonzales (9)	14.	Thompson (131)
15.	Flores (9)	15.	Martin (129)
16.	Ramirez (8)	16.	Harris (128)
17.	Estrada (8)	17.	Thomas (126)
18.	Reyes (7)	18.	Clark (117)
19.	Ortiz (7)	19.	White (113)
20.	Moreno (7)	20.	Peterson (110)

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 4.
Comparison of Selected Summary Statistics for Maiden Names on the Illinois State Cancer Registry, 1986 to 1994
with
Surnames on the 1990 U.S. Bureau of the Census Spanish Surname Study Data Set

		Heavily Hispanic					
Category		0101	0102	0105	0110	0115	0125
Number of Names	ISCR	29	22	17	5	14	172
	Census	7,974	2,463	625	263	251	639
Occurrences	ISCR	52	44	40	14	26	685
	Census	7,974	6,626	4,300	3,295	5,080	115,526
*Percent Hispanic	ISCR	17.2	45.5	55.6	28.6	60.0	75.5
	Census	100.0	96.1	94.8	94.6	93.5	94.2
		Generally Hispanic					
Category		0201	0202	0205	0210	0215	0225
Number of Names	ISCR	3	5	3	3	7	13
	Census	218	354	106	25	25	39
Occurrences	ISCR	6	12	5	5	12	32
	Census	50.0	77.9	64.8	64.6	63.8	64.0
*Percent Hispanic	ISCR	0.0	20.0	0.0	0.0	37.5	21.4
	Census	436	1,041	1,046	449	726	4,038
		Moderately Hispanic					
Category		0301	0302	0305	0310	0315	0325
Number of Names	ISCR	23	17	12	3	2	6
	Census	3,611	260	68	21	10	11
Occurrences	ISCR	57	30	27	10	3	15
	Census	4,288	1,345	1,187	640	522	1,190
*Percent Hispanic	ISCR	3.7	11.1	0.0	0.0	0.0	10.0
	Census	71.4	49.7	37.2	39.2	38.1	39.6
		Occasionally Hispanic					
Category				0405	0410	0415	0425
Number of Names	ISCR			27	10	11	2
	Census			65	16	13	5
Occurrences	ISCR			92	45	67	22
	Census			3,265	1,445	2,253	1,375
*Percent Hispanic	ISCR			3.6	0.0	2.9	0.0
	Census			12.6	12.1	11.5	17.7
		Rarely Hispanic					
Category		5001	5005	5010	5025	5100	5500
Number of Names	ISCR	102	110	211	696	1,020	353
	Census	3,354	969	986	1,411	1,141	353
Occurrences	ISCR	270	257	545	2,343	7,341	15,065
	Census	7,940	7,642	16,689	74,881	249,666	522,614
*Percent Hispanic	ISCR	1.4	0.0	0.7	0.2	0.2	0.1
	Census	41.5	15.6	7.7	2.5	1.0	0.7

*Percent Hispanic for ISCR was determined using only names and Hispanic identification during the 1990 to 1994 time period when the ISCR Hispanic origin data element was in full implementation.

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 5.
Selected Summary Statistics for Last Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1986							
	No Formal Identification				ISCR Hispanic Identification							
	1986	1987	1988	1989	1990	1991	1992	1993	1994			
101	count	314	31	29	39	35	30	31	35	35	49	
	% Hispanic	All	21.0	0.0	3.4	5.1	20.0	23.3	19.4	37.1	25.7	42.9
		Males	23.4	0.0	5.6	5.6	26.7	37.5	20.0	31.8	27.3	42.3
		Females	18.8	0.0	0.0	4.8	15.0	18.2	18.8	46.2	23.1	43.5
	% Hispanic County		82.8	74.2	86.2	76.9	77.1	83.3	87.1	88.6	88.6	83.7
	% Names per Year		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
102	count	336	27	28	39	32	35	45	41	40	49	
	% Hispanic	All	40.5	0.0	0.0	0.0	65.6	42.9	55.6	46.3	42.5	79.6
		Males	44.7	0.0	0.0	0.0	72.7	38.9	66.7	52.9	40.9	88.0
		Females	36.7	0.0	0.0	0.0	61.9	47.1	42.9	41.7	44.4	70.8
	% Hispanic County		92.0	96.3	92.9	92.3	84.4	88.6	93.3	97.6	87.5	93.9
	% Names per Year		0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105	count	248	19	24	20	25	28	34	37	34	27	
	% Hispanic	All	42.3	0.0	4.2	5.0	64.0	32.1	67.6	56.8	50.0	63.0
		Males	48.3	0.0	9.1	7.7	66.7	37.5	78.6	70.6	50.0	76.9
		Females	37.1	0.0	0.0	0.0	61.5	25.0	60.0	45.0	50.0	50.0
	% Hispanic County		90.3	84.2	79.2	95.0	100.0	82.1	91.2	89.2	94.1	96.3
	% Names per Year		0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0
110	count	208	18	21	24	21	22	24	23	28	27	
	% Hispanic	All	47.6	5.6	0.0	16.7	42.9	68.2	79.2	60.9	67.9	66.7
		Males	52.3	0.0	0.0	20.0	54.5	80.0	87.5	61.5	58.3	63.6
		Females	44.3	7.7	0.0	14.3	30.0	58.3	75.0	60.0	75.0	68.8
	% Hispanic County		90.9	88.9	95.2	83.3	90.5	95.5	95.8	95.7	85.7	88.9
	% Names per Year		0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
115	count	350	26	31	25	39	42	34	47	55	51	
	% Hispanic	All	49.4	0.0	3.2	4.0	51.3	69.0	67.6	66.0	67.3	60.8
		Males	51.5	0.0	0.0	7.7	68.8	71.4	66.7	61.9	70.0	59.1
		Females	47.5	0.0	5.9	0.0	39.1	66.7	69.2	69.2	64.0	62.1
	% Hispanic County		92.0	92.3	93.5	80.0	97.4	90.5	94.1	91.5	92.7	92.2
	% Names per Year		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125	count	7,400	611	666	701	776	811	800	870	1,012	1,153	
	% Hispanic	All	53.9	2.8	3.8	8.7	62.1	74.4	74.4	71.0	74.9	71.8
		Males	59.0	2.7	4.1	11.4	68.0	80.1	81.0	77.4	80.3	76.6
		Females	49.5	2.9	3.5	6.5	57.2	69.5	68.8	65.9	70.3	67.1
	% Hispanic County		92.8	91.3	94.3	92.0	92.4	93.6	93.1	93.0	92.8	92.5
	% Names per Year		1.7	1.4	1.5	1.5	1.7	1.7	1.6	1.7	1.9	2.1
201	count	35	2	2	2	3	3	12	4	3	4	
	% Hispanic	All	25.7	0.0	0.0	0.0	100.0	0.0	41.7	0.0	33.3	0.0
		Males	21.4	0.0	0.0	0.0	100.0	0.0	0.0	0.0	50.0	0.0
		Females	28.6	0.0	0.0	0.0	100.0	0.0	71.4	0.0	0.0	0.0
	% Hispanic County		97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	66.7	100.0
	% Names per Year		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5. (continued)
Selected Summary Statistics for Last Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1986-1994						
	No Formal Identification				ISCR Hispanic Identification						
	1986	1987	1988	1989	1990	1991	1992	1993	1994		
202	count	66	8	7	4	4	3	6	7	11	16
	% Hispanic										
	All	6.1	0.0	0.0	0.0	25.0	0.0	0.0	28.6	0.0	6.3
	Males	10.0	0.0	0.0	0.0	25.0	0.0	0.0	50.0	0.0	16.7
	Females	2.8	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
	% Hispanic County	77.3	100.0	85.7	75.0	100.0	66.7	50.0	71.4	81.6	68.8
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205	count	101	7	8	7	11	10	12	15	17	14
	% Hispanic										
	All	22.8	0.0	0.0	0.0	18.2	50.0	25.0	40.0	29.4	14.3
	Males	32.6	0.0	0.0	0.0	20.0	100.0	42.9	66.7	35.7	16.7
	Females	14.5	0.0	0.0	0.0	16.7	44.4	0.0	22.2	0.0	12.5
	% Hispanic County	87.1	100.0	100.0	100.0	90.9	80.0	83.3	93.3	76.5	78.6
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210	count	52	3	8	5	6	7	4	7	6	6
	% Hispanic										
	All	11.5	0.0	0.0	0.0	0.0	28.6	25.0	28.6	16.7	0.0
	Males	19.0	0.0	0.0	0.0	0.0	50.0	50.0	33.3	0.0	0.0
	Females	6.5	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0
	% Hispanic County	76.9	100.0	87.5	100.0	66.7	85.7	75.0	71.4	50.0	66.7
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215	count	64	5	8	6	7	11	3	6	6	12
	% Hispanic										
	All	25.0	0.0	12.5	0.0	57.1	27.3	100.0	33.3	16.7	16.7
	Males	28.1	0.0	0.0	0.0	66.7	33.3	0.0	50.0	25.0	25.0
	Females	21.9	0.0	25.0	0.0	0.0	20.0	100.0	25.0	0.0	12.5
	% Hispanic County	90.6	80.0	100.0	83.3	71.4	100.0	100.0	83.3	83.3	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225	count	313	30	31	21	23	31	45	35	47	50
	% Hispanic										
	All	30.0	3.3	0.0	14.3	30.4	32.3	40.0	37.1	38.3	48.0
	Males	28.3	0.0	0.0	0.0	30.0	26.7	36.4	36.4	30.4	44.0
	Females	31.5	4.8	0.0	23.1	30.8	37.5	43.5	38.5	45.8	52.0
	% Hispanic County	87.2	93.3	83.9	85.7	87.0	90.3	77.8	91.4	89.4	88.0
	% Names per Year	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
301	count	252	19	16	30	36	27	33	28	27	36
	% Hispanic										
	All	2.8	0.0	0.0	0.0	5.6	11.1	0.0	7.1	0.0	0.0
	Males	0.8	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
	Females	5.0	0.0	0.0	0.0	15.4	11.8	0.0	13.3	0.0	0.0
	% Hispanic County	72.6	89.5	87.5	66.7	72.2	77.8	48.5	85.7	74.1	69.4
	% Names per Year	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
302	count	188	23	11	20	18	23	21	25	30	17
	% Hispanic										
	All	7.4	0.0	0.0	10.0	5.6	8.7	19.0	8.0	3.3	11.8
	Males	9.5	0.0	0.0	15.4	8.3	15.4	18.2	7.1	7.7	0.0
	Females	5.4	0.0	0.0	0.0	0.0	0.0	20.0	9.1	0.0	18.2
	% Hispanic County	77.1	91.3	81.8	60.0	72.2	87.0	90.5	84.0	70.0	52.9
	% Names per Year	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Table 5. (continued)
Selected Summary Statistics for Last Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1986-1994						
	No Formal Identification				ISCR Hispanic Identification						
	1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994	
305	count	139	14	14	16	16	14	16	16	20	13
	% Hispanic										
	All	12.2	0.0	0.0	12.5	6.3	7.1	6.3	31.3	25.0	15.4
	Males	16.4	0.0	0.0	33.3	12.5	16.7	0.0	42.9	27.3	12.5
	Females	8.3	0.0	0.0	0.0	0.0	0.0	11.1	22.2	22.2	20.0
	% Hispanic County	87.8	92.9	92.9	87.5	81.3	100.0	93.8	75.0	80.0	92.3
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	count	83	9	10	11	8	7	8	10	8	12
	% Hispanic										
	All	16.9	11.1	0.0	0.0	12.5	42.9	25.0	10.0	25.0	33.3
	Males	25.8	33.3	0.0	0.0	20.0	100.0	25.0	0.0	50.0	60.0
	Females	11.5	0.0	0.0	0.0	0.0	33.3	25.0	12.5	16.7	14.3
	% Hispanic County	69.9	55.6	70.0	90.9	37.5	57.1	100.0	60.0	75.0	75.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	count	26	0	1	1	6	4	4	4	3	3
	% Hispanic										
	All	15.4	0.0	0.0	0.0	0.0	25.0	25.0	50.0	0.0	0.0
	Males	11.1	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
	Females	17.6	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0
	% Hispanic County	88.5	0.0	0.0	100.0	83.3	100.0	75.0	100.0	100.0	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	count	84	5	7	8	11	15	7	11	10	10
	% Hispanic										
	All	19.0	0.0	14.3	0.0	27.3	20.0	14.3	9.1	20.0	50.0
	Males	16.7	0.0	20.0	0.0	20.0	25.0	0.0	0.0	16.7	50.0
	Females	20.8	0.0	0.0	0.0	33.3	18.2	20.0	14.3	25.0	50.0
	% Hispanic County	75.0	80.0	71.4	50.0	81.8	80.0	71.4	72.7	70.0	90.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
405	count	585	53	64	50	70	67	70	78	69	64
	% Hispanic										
	All	2.6	0.0	0.0	6.0	1.4	3.0	2.9	2.6	4.3	3.1
	Males	2.6	0.0	0.0	4.2	3.7	3.1	2.6	2.6	6.1	2.7
	Females	2.5	0.0	0.0	7.7	0.0	2.9	3.2	2.6	2.8	3.7
	% Hispanic County	76.9	79.2	79.7	80.0	80.0	70.1	78.6	76.9	76.8	71.9
	% Names per Year	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
410	count	270	24	26	47	39	28	27	27	25	27
	% Hispanic										
	All	3.7	0.0	3.8	2.1	2.6	7.1	7.4	7.4	0.0	3.7
	Males	5.9	0.0	7.1	0.0	4.8	8.3	13.3	11.8	0.0	8.3
	Females	1.4	0.0	0.0	0.0	4.3	3.1	0.0	5.3	0.0	0.0
	% Hispanic County	71.9	83.3	88.5	72.3	64.1	46.4	66.7	81.5	72.0	77.8
	% Names per Year	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
415	count	409	40	44	39	42	52	49	47	48	48
	% Hispanic										
	All	3.2	2.5	0.0	0.0	4.8	3.8	6.1	8.5	0.0	2.1
	Males	5.1	5.3	0.0	0.0	5.3	5.0	12.5	10.7	0.0	4.2
	Females	1.4	0.0	0.0	0.0	4.3	3.1	0.0	5.3	0.0	0.0
	% Hispanic County	70.9	67.5	84.1	76.9	66.7	73.1	67.3	72.3	60.4	70.8
	% Names per Year	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table 5. (continued)
Selected Summary Statistics for Last Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1986							
	1986	1987	1988	1989	1990	1991	1992	1993	1994			
	No Formal Identification				ISCR Hispanic Identification							
425	count	213	21	18	24	30	23	25	19	27	26	
	% Hispanic	All	5.6	0.0	0.0	4.2	10.0	4.3	0.0	5.3	18.5	3.8
		Males	6.4	0.0	0.0	6.3	16.7	7.1	0.0	0.0	23.1	0.0
		Females	4.9	0.0	0.0	0.0	5.6	0.0	0.0	11.1	14.3	7.1
	% Hispanic County		75.6	71.4	88.9	66.7	76.7	95.7	76.0	84.2	70.4	57.7
	% Names per Year		0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0
5001	count	1,361	142	157	133	149	159	131	151	176	163	
	% Hispanic	All	1.2	0.0	0.0	0.0	0.7	1.3	1.5	2.6	2.3	2.5
		Males	0.8	0.0	0.0	0.0	0.0	1.4	2.7	2.7	0.0	0.0
		Females	1.6	0.0	0.0	0.0	1.2	1.1	0.0	2.6	3.8	4.7
	% Hispanic County		70.6	68.3	70.7	73.7	73.2	69.8	71.8	66.2	70.5	71.8
	% Names per Year		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5005	count	1,586	157	153	144	177	173	203	203	180	196	
	% Hispanic	All	0.7	0.6	0.0	0.7	1.1	1.2	0.5	1.5	0.0	0.5
		Males	0.9	0.0	0.0	0.0	1.2	2.2	0.9	2.0	0.0	1.0
		Females	0.5	1.3	0.0	1.2	1.1	0.0	0.0	1.0	0.0	0.0
	% Hispanic County		68.3	73.9	67.3	68.8	69.5	64.7	70.9	66.0	67.2	66.8
	% Names per Year		0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4
5010	count	4,017	381	414	397	459	423	450	500	518	475	
	% Hispanic	All	0.5	0.0	0.0	0.0	0.2	0.5	0.4	1.0	1.4	0.8
		Males	0.6	0.0	0.0	0.0	0.0	0.5	0.5	1.5	1.6	0.4
		Females	0.5	0.0	0.0	0.0	0.5	0.5	0.4	0.4	1.1	1.2
	% Hispanic County		67.1	68.8	64.7	72.3	66.0	64.1	66.2	66.0	66.8	69.9
	% Names per Year		0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.0	0.9
5025	count	15,933	1,522	1,679	1,671	1,709	1,688	1,842	1,894	1,948	1,980	
	% Hispanic	All	0.3	0.1	0.1	0.2	0.3	0.3	0.4	0.3	0.2	0.6
		Males	0.3	0.1	0.1	0.1	0.2	0.2	0.6	0.4	0.1	0.8
		Females	0.2	0.1	0.0	0.2	0.3	0.3	0.2	0.1	0.2	0.4
	% Hispanic County		59.9	60.8	60.6	62.4	60.1	58.0	59.1	56.7	60.4	61.2
	% Names per Year		3.6	3.5	3.7	3.6	3.7	3.5	3.7	3.6	3.7	3.6
5100	count	52,282	5,151	5,526	5,350	5,590	5,740	5,885	6,205	6,334	6,501	
	% Hispanic	All	0.2	0.0	0.0	0.0	0.2	0.1	0.1	0.4	0.3	0.4
		Males	0.2	0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.2	0.4
		Females	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.3	0.4
	% Hispanic County		57.1	58.2	58.3	57.6	57.5	56.0	55.9	55.7	57.4	57.5
	% Names per Year		12.0	11.8	12.1	11.7	12.2	12.1	12.0	11.9	12.0	11.9
5500	count	107,723	10,725	11,180	11,206	11,361	11,735	11,981	12,765	13,107	13,663	
	% Hispanic	All	0.2	0.0	0.0	0.1	0.2	0.1	0.1	0.2	0.2	0.4
		Males	0.1	0.0	0.0	0.1	0.2	0.0	0.1	0.2	0.2	0.4
		Females	0.2	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.4
	% Hispanic County		57.9	57.7	58.2	58.1	58.5	57.2	56.6	57.5	58.0	59.4
	% Names per Year		24.6	24.7	24.5	24.5	24.8	24.7	24.3	24.5	24.9	24.9

Table 5. (continued)
Selected Summary Statistics for Last Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1989-1994						
	No Formal Identification				ISCR Hispanic Identification						
No Match											
count	240,354	24,271	25,327	24,365	25,014	26,313	27,349	28,914	28,695	30,106	
% Hispanic					0.3	0.4	0.4	0.4	0.5	0.6	
All					0.3	0.3	0.4	0.3	0.4	0.6	
Males					0.4	0.5	0.3	0.5	0.6	0.7	
Females					65.3	65.0	64.6	64.9	64.6	66.3	
% Hispanic County					55.0	55.3	55.5	55.4	54.6	54.9	
% Names per Year											
Missing											
count	2,107	151	145	1417	29	66	84	131	84	0	
% Hispanic					6.9	1.5	4.8	2.3	2.4	0.0	
All					12.5	0.0	4.4	2.7	4.1	0.0	
Males					0.0	3.2	5.1	1.8	0.0	0.0	
Females					63.9	81.8	77.4	68.7	63.1	0.0	
% Hispanic County					0.1	0.1	0.2	0.3	0.2	0.0	
% Names per Year											
Total	count	437,399	43,495	45,655	45,822	45,746	47,590	49,235	52,155	52,603	54,798

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 6.
Selected Summary Statistics for Maiden Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
101	count	52	8	5	7	3	8	7	6	3	5
	% Hispanic	11.5	0.0	0.0	0.0	33.3	12.5	0.0	33.3	33.3	20.2
	% Hispanic County	82.7	75.0	80.0	85.7	66.7	75.0	85.7	100.0	100.0	80.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102	count	44	8	5	4	5	2	3	5	5	7
	% Hispanic	25.0	0.0	0.0	0.0	20.0	50.0	33.3	40.0	40.0	57.1
	% Hispanic County	81.8	87.5	60.0	100.0	60.0	100.0	100.0	60.0	80.0	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	count	40	6	5	5	6	1	1	6	5	5
	% Hispanic	35.0	0.0	0.0	0.0	66.7	0.0	100.0	50.5	60.0	60.0
	% Hispanic County	87.5	100.0	100.0	80.0	83.3	0.0	100.0	83.3	100.0	80.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	count	14	1	2	2	2	4	1	0	2	0
	% Hispanic	28.6	0.0	0.0	0.0	100.0	0.0	100.0	0.0	50.0	0.0
	% Hispanic County	71.4	100.0	100.0	50.0	100.0	50.0	100.0	0.0	50.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	count	26	3	4	2	2	6	0	5	2	2
	% Hispanic	34.6	0.0	0.0	0.0	0.0	33.3	0.0	80.0	50.0	100.0
	% Hispanic County	96.2	100.0	100.0	50.0	100.0	100.0	0.0	100.0	100.0	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	count	685	91	91	90	78	88	63	70	62	52
	% Hispanic	46.7	4.4	4.4	3.3	71.8	81.8	74.6	65.7	79.0	75.0
	% Hispanic County	90.9	92.3	93.4	94.4	93.6	93.2	87.3	91.4	80.6	86.5
	% Names per Year	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.2
201	count	6	1	0	2	0	0	2	0	1	0
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	83.3	100.0	0.0	100.0	0.0	0.0	50.0	0.0	100.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202	count	12	1	3	2	1	1	2	0	0	2
	% Hispanic	8.3	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
	% Hispanic County	91.7	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	50.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
205	count	5	1	0	0	1	1	1	0	1	0
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	100.0	100.0	0.0	0.0	100.0	100.0	100.0	0.0	100.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6. (continued)
Selected Summary Statistics for Maiden Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
210	count	5	0	2	0	0	2	0	0	1	0
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	60.0	0.0	50.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215	count	12	1	2	0	1	1	0	1	2	4
	% Hispanic	25.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	50.0	25.0
	% Hispanic County	83.3	100.0	100.0	0.0	0.0	100.0	0.0	100.0	100.0	50.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225	count	32	6	6	4	2	3	2	1	7	1
	% Hispanic	12.5	0.0	0.0	0.0	50.0	33.3	0.0	0.0	28.6	0.0
	% Hispanic County	93.8	100.0	100.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
301	count	57	8	7	4	11	7	4	8	4	4
	% Hispanic	7.0	0.0	0.0	0.0	27.3	14.3	0.0	0.0	0.0	0.0
	% Hispanic County	75.4	75.0	71.4	100.0	81.8	71.4	100.0	75.0	25.0	75.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	count	30	4	2	3	3	3	2	7	3	3
	% Hispanic	6.7	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	33.3
	% Hispanic County	70.0	75.0	100.0	6.7	66.7	66.7	50.0	71.4	66.7	66.7
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	count	27	3	6	0	3	4	1	5	4	1
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	77.8	100.0	100.0	0.0	66.7	75.0	100.0	60.0	50.0	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	count	10	1	0	0	4	2	1	1	1	0
	% Hispanic	20.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	70.0	100.0	0.0	0.0	75.0	50.0	100.0	100.0	0.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	count	3	1	0	0	0	1	1	0	0	0
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	33.3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
325	count	15	2	3	0	0	4	2	0	3	1
	% Hispanic	6.7	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
	% Hispanic County	66.7	0.0	66.7	0.0	0.0	100.0	50.0	0.0	66.7	100.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
405	count	92	10	12	7	8	20	3	11	13	8
	% Hispanic	3.3	0.0	0.0	0.0	12.5	10.0	0.0	0.0	0.0	0.0
	% Hispanic County	67.4	80.0	66.7	85.7	75.0	55.0	33.3	81.8	84.6	25.0
	% Names per Year	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Table 6. (continued)
Selected Summary Statistics for Maiden Names on ISCR 1986-1994
by Census Spanish Surname Study Categories

Category	1986-94				1989						
	1986	1987	1988	1989	1990	1991	1992	1993	1994		
	No Formal Identification				ISCR Hispanic Identification						
410	count	46	4	4	3	9	10	8	3	2	3
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	56.5	25.0	100.0	33.3	55.6	70.0	62.5	33.3	50.0	33.3
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
415	count	67	6	6	13	7	10	3	7	6	9
	% Hispanic	1.5	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
	% Hispanic County	64.2	83.3	33.3	84.6	28.6	80.0	100.0	42.9	50.0	66.7
	% Names per Year	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
425	count	22	2	4	2	5	2	3	2	0	2
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	50.0	50.0	50.0	50.0	40.0	0.0	66.7	100.0	0.0	50.0
	% Names per Year	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5001	count	270	39	34	29	29	24	26	27	31	31
	% Hispanic	1.1	0.0	0.0	0.0	3.4	0.0	0.0	3.7	0.0	3.2
	% Hispanic County	69.6	66.7	61.8	82.8	58.3	70.8	69.2	66.7	61.3	71.0
	% Names per Year	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5005	count	257	35	33	37	24	31	27	18	19	33
	% Hispanic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	% Hispanic County	61.5	68.6	72.7	70.3	62.0	61.3	59.3	44.4	42.1	57.6
	% Names per Year	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
5010	count	545	64	75	55	71	65	52	59	56	48
	% Hispanic	0.4	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.8	0.0
	% Hispanic County	62.6	62.5	68.0	74.5	62.0	66.2	65.4	50.8	55.4	56.3
	% Names per Year	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2
5025	count	2,343	299	279	269	284	254	224	244	255	235
	% Hispanic	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4
	% Hispanic County	55.4	61.9	58.4	62.1	62.3	53.1	56.3	49.2	49.4	42.6
	% Names per Year	1.1	1.3	1.2	1.1	1.2	1.0	0.9	1.0	1.0	0.8
5100	count	7,341	893	960	897	849	830	711	687	785	729
	% Hispanic	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.4	0.4	0.3
	% Hispanic County	55.0	58.7	59.5	60.3	58.9	57.7	56.8	49.9	45.2	43.6
	% Names per Year	3.3	4.0	4.0	3.7	3.6	3.4	2.9	2.7	3.0	2.6
5500	count	15,065	1,927	1,985	1,848	1,726	1,654	1,475	1,455	1,492	1,503
	% Hispanic	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.1
	% Hispanic County	54.8	61.3	56.8	59.1	60.1	58.7	56.4	47.8	45.0	42.6
	% Names per Year	6.8	8.6	8.4	7.7	7.3	6.7	6.0	5.7	5.7	5.4
No Match	count	37,718	4,810	5,021	4,526	4,469	4,186	3,723	3,644	3,716	3,623
	% Hispanic	0.2	0.0	0.0	0.0	0.2	0.5	0.2	0.4	0.7	0.3
	% Hispanic County	63.3	69.2	67.7	67.0	66.3	65.3	63.6	58.1	54.4	53.2
	% Names per Year	16.9	21.4	21.2	18.8	18.9	17.1	15.1	14.3	14.2	13.0
Missing	count	158,018	14,270	15,153	16,272	16,083	17,318	18,384	19,288	19,686	21,564
	% Hispanic	1.6	0.1	0.1	0.3	1.8	2.0	2.0	2.1	2.4	2.6
	% Hispanic County	65.3	63.3	64.3	64.0	64.1	63.6	64.1	66.1	68.1	68.4
	% Names per Year	70.9	63.4	63.9	67.6	67.9	70.6	74.3	75.5	75.2	77.4
Total	count	222,859	22,505	23,709	24,083	23,686	24,542	24,732	25,560	26,167	27,875

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 7.
Evaluation of Spanish Surname/Hispanic Non-U.S. Birthplace Combinations
Relative to Hispanic Origin Status as Defined by Cancer Registrars for Male Cases
Illinois State Cancer Registry, 1986 to 1994

		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Males	count	214,240	20,990	21,946	21,739	22,060	23,048	24,503	26,595	26,436	26,923
Hispanic	count	2,950	14	22	62	339	407	444	456	537	669
BP/HH											
Cases	count	4,063	308	364	378	423	438	448	480	560	664
Sensitivity	%	79.8	50.0	63.6	66.1	85.3	84.3	79.1	78.9	81.6	76.4
PPV	%	57.9	2.3	3.8	10.8	68.3	78.3	78.3	75.0	78.2	77.0
Specificity	%	99.2	98.6	98.4	98.4	99.4	99.6	99.6	99.5	99.5	99.4
NPV	%	99.7	100.0	100.0	99.9	99.8	99.7	99.6	99.6	99.6	99.4
BP/HH/GH											
Cases	count	4,271	323	378	389	440	457	481	511	594	698
Sensitivity	%	81.2	50.0	63.6	66.1	86.1	85.7	81.1	80.9	82.7	77.7
PPV	%	56.1	2.2	3.7	10.5	66.4	76.4	74.8	72.2	74.7	74.5
Specificity	%	99.1	98.5	98.3	98.4	99.3	99.5	99.5	99.5	99.4	99.3
NPV	%	99.7	100.0	100.0	99.9	99.8	99.7	99.7	99.7	99.6	99.4
BP/HH/GH/MH											
Cases	count	4,577	350	400	424	483	487	525	547	634	727
Sensitivity	%	81.9	57.1	68.2	72.6	86.4	86.5	81.5	81.4	83.1	78.3
PPV	%	52.8	2.3	3.8	10.6	60.7	72.3	69.0	67.8	70.3	72.1
Specificity	%	99.0	98.4	98.2	98.3	99.1	99.4	99.3	99.3	99.3	99.2
NPV	%	99.7	100.0	100.0	99.9	99.8	99.8	99.7	99.7	99.6	99.4
BP/HH/GH/MH/OH											
Cases	count	5,277	420	476	493	558	561	610	637	713	809
Sensitivity	%	82.6	64.3	72.7	75.8	87.3	87.2	82.4	82.5	83.4	78.5
PPV	%	46.2	2.1	3.4	9.5	53.0	63.3	60.0	59.0	62.8	64.9
Specificity	%	98.7	98.0	97.9	97.9	98.8	99.1	99.0	99.0	99.0	98.9
NPV	%	99.8	100.0	100.0	99.9	99.8	99.8	99.7	99.7	99.7	99.4

Abbreviations:

BP Hispanic Non-U.S Birthplace, HH Heavily Hispanic, GH Generally Hispanic, MH Moderately Hispanic, OH Occasionally Hispanic, PPV Positive Predictive Value, NPV Negative Predictive Value

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Table 8.
Evaluation of Spanish Surname/Hispanic Non-U.S. Birthplace Combinations
Relative to Hispanic Origin Status as Defined by Cancer Registrars for Female Cases
Illinois State Cancer Registry, 1986 to 1994

		1986-94	1986	1987	1988	1989	1990	1991	1992	1993	1994
		No Formal Identification				ISCR Hispanic Identification					
Females	count	222,859	22,505	23,709	24,083	23,686	24,542	24,732	25,560	26,167	27,875
Hispanic	count	3,044	17	21	56	366	458	435	492	573	626
BP/HH											
Cases	count	4,534	394	405	432	483	505	507	545	606	657
Sensitivity	%	76.3	70.6	66.7	48.2	79.5	78.2	82.5	75.4	76.1	72.7
PPV	%	51.2	3.0	3.5	6.3	60.2	70.9	70.8	68.1	71.9	69.3
Specificity	%	99.0	98.3	98.3	98.3	99.2	99.4	99.4	99.3	99.3	99.3
NPV	%	99.7	100.0	100.0	99.9	99.7	99.6	99.7	99.5	99.5	99.4
BP/HH/GH											
Cases	count	4,776	414	437	453	497	533	536	567	636	703
Sensitivity	%	77.6	70.6	71.4	53.6	80.1	79.3	84.1	76.2	77.3	74.3
PPV	%	49.5	2.9	3.4	6.6	59.0	68.1	68.3	66.1	69.7	66.1
Specificity	%	98.9	98.2	98.2	98.2	99.1	99.3	99.3	99.2	99.2	99.1
NPV	%	99.7	100.0	100.0	99.9	99.7	99.6	99.7	99.5	99.5	99.4
BP/HH/GH/MH											
Cases	count	5,117	447	472	478	535	574	568	621	680	742
Sensitivity	%	78.1	70.6	71.4	3.6	80.6	79.7	84.4	77.4	77.7	74.8
PPV	%	46.5	2.7	3.2	6.3	55.1	63.6	64.6	61.4	65.4	63.1
Specificity	%	98.8	98.1	98.1	98.1	99.0	99.1	99.2	99.0	99.1	99.0
NPV	%	99.7	100.0	100.0	99.9	99.7	99.6	99.7	99.6	99.5	99.4
BP/HH/GH/MH/OH											
Cases	count	5,807	498	532	552	614	672	650	699	767	823
Sensitivity	%	78.6	70.6	71.4	58.9	80.9	80.6	84.6	77.8	78.0	75.1
PPV	%	41.2	2.4	2.8	6.0	48.2	54.9	56.6	54.8	57.3	57.1
Specificity	%	98.4	97.8	97.8	97.8	98.6	98.7	98.8	98.7	98.7	98.7
NPV	%	99.7	100.0	100.0	99.9	99.7	99.6	99.7	99.6	99.5	99.4

Abbreviations:

BP Hispanic Non-U.S Birthplace, HH Heavily Hispanic, GH Generally Hispanic, MH Moderately Hispanic, OH Occasionally Hispanic, PPV Positive Predictive Value, NPV Negative Predictive Value

SOURCE: Illinois Department of Public Health, Illinois State Cancer Registry, May 1997

Appendix B

Alphabetical and Categorical Listing
of
United States Bureau of the Census
Heavily Hispanic Last Names
on the
Illinois State Cancer Registry Database
1986 to 1994

115 ABAD	105 ALCAZAR	125 APODACA	115 ARZOLA	125 BARRIOS
115 ABARCA	101 ALCERRECA	105 APOLINAR	102 ARZU	101 BASILO
125 ABREGO	105 ALCOSER	125 APONTE	102 ARZUAGA	102 BASURTO
125 ABREU	115 ALDANA	125 ARAGON	102 ASCENSIO	105 BATALLA
102 ABUNDES	101 ALDAZ	115 ARAIZA	110 ASECNIO	125 BATISTA
105 ABURTO	110 ALEJANDRE	115 ARAMBULA	105 ASTUDILLO	101 BATLLE
105 ACEUEDO	125 ALEJANDRO	125 ARANA	125 AVALOS	110 BATRES
105 ACEVADO	110 ALEJO	125 ARANDA	125 AVILA	101 BAYARDO
125 ACEVEDO	125 ALEMAN	102 ARANO	125 AVILES	115 BAZAN
115 ACEVES	105 ALEQUIN	102 ARBALLO	115 AVINA	125 BECERRA
102 ACEVEZ	125 ALFARO	105 ARBOLEDA	102 AVITA	105 BECERRIL
125 ACOSTA	105 ALGARIN	125 ARCE	110 AVITIA	110 BEDOLLA
125 ACUNA	125 ALICEA	110 ARCEO	125 AYALA	110 BEDOYA
125 ADAME	110 ALMAGUER	105 ARCHULETTA	101 AYLLON	101 BELMARES
115 ADAMES	125 ALMANZA	110 ARCINIEGA	115 AYON	101 BELMONTES
102 ADAUTO	125 ALMARAZ	105 ARCOS	102 AZCONA	101 BELMONTEZ
125 ADORNO	115 ALMENDAREZ	101 AREDIA	125 BACA	125 BELTRAN
125 AGOSTO	101 ALMENDARIZ	102 AREIZAGA	101 BACALLAO	102 BELTRON
102 AGRAMONTE	125 ALMONTE	125 ARELLANO	125 BADILLO	125 BENAVIDES
102 AGREDANO	125 ALONSO	125 ARENAS	125 BAEZ	125 BENAVIDEZ
101 AGRONT	125 ALONZO	102 ARES	125 BAEZA	125 BENITEZ
105 AGUADO	102 ALQUICIRA	125 AREVALO	105 BAHAMONDE	102 BERGARA
125 AGUAYO	102 ALSINA	102 AREVALOS	125 BAHENA	102 BERMEA
110 AGUDELO	101 ALTAGRACIA	115 ARGUETA	105 BALBOA	102 BERMEO
101 AGUDO	125 ALTAMIRANO	105 ARGUIJO	125 BALDERAS	125 BERMUDEZ
110 AGUILA	125 ALVA	125 ARIAS	101 BALITA	125 BERNAL
125 AGUILAR	125 ALVARADO	102 ARIAZ	102 BALLESTERO	125 BERRIOS
125 AGUILERA	115 ALVARDO	105 ARIZMENDI	102 BALTIERRA	102 BESERRA
110 AGUILLON	125 ALVAREZ	102 ARIZOLA	125 BANDA	101 BESINAIZ
105 AGUINAGA	115 ALVEREZ	102 ARJONA	102 BANDERAS	101 BETANCE
105 AGUINIGA	105 ALVIDREZ	125 ARMAS	102 BANOS	125 BETANCOURT
105 AGUIRE	125 AMADOR	125 ARMENDARIZ	101 BANTISTA	102 BIBIAN
125 AGUIRRE	115 AMARO	125 ARMENTA	125 BANUELOS	102 BILLEGAS
101 AGVILAR	125 AMAYA	102 ARMENTEROS	102 BARAGAN	101 BILLYBOY
101 AJURIA	115 AMBRIZ	125 ARMIJO	125 BARAJAS	102 BLANCAS
110 ALAMO	101 AMELLA	102 AROS	101 BARBAN	125 BLANCO
125 ALANIS	110 AMESQUITA	125 ARREDONDO	110 BARCENAS	105 BLANDON
125 ALANIZ	110 AMEZCUA	105 ARREGUIN	101 BAREA	101 BLES
125 ALARCON	101 AMILL	125 ARREOLA	110 BARGAS	102 BOBE
105 ALATORRE	102 AMPARAN	102 ARREQUIN	105 BARILLAS	115 BOCANEGRA
125 ALBA	125 ANAYA	125 ARRIAGA	125 BARRAGAN	101 BOLTA
110 ALBARRAN	102 ANCIRA	102 ARRIAZA	125 BARRAZA	110 BONET
101 ALBIZU	115 ANDINO	110 ARRIETA	101 BARREDO	125 BONILLA
101 ALBOR	115 ANDUJAR	125 ARROYO	125 BARRERA	101 BORBON
101 ALBORES	101 ANEL	125 ARTEAGA	125 BARRETO	102 BORIA
125 ALCALA	101 ANELL	101 ARTILES	110 BARRIENTES	105 BORJAS
102 ALCALDE	125 ANGUIANO	101 ARTIME	125 BARRIENTOS	102 BORJON
125 ALCANTAR	105 ANZALDUA	105 ARVELO	110 BARRIGA	102 BORRAS
115 ALCANTARA	101 ANZO	115 ARVIZU	101 BARRIGAN	125 BORREGO

105 BORUNDA	102 CANCINO	125 CAVAZOS	102 CONTRERAZ	102 DELAHOZ
125 BOTELLO	125 CANDELARIA	101 CAZALES	101 CORADO	105 DELANGEL
105 BOTERO	102 CANDIA	125 CAZARES	105 CORCHADO	125 DELAPAZ
102 BOYAS	102 CANELO	125 CEBALLOS	125 CORDERO	105 DELARA
105 BRAN	125 CANO	105 CEDANO	115 CORDOBA	125 DELAROSA
125 BRAVO	102 CANOVAS	115 CEDENO	125 CORDOVA	125 DELATORRE
105 BRENES	102 CANSINO	125 CEJA	101 CORIANO	102 DELBUSTO
105 BRIBIESCA	102 CANTRES	115 CELAYA	125 CORNEJO	125 DELEON
125 BRIONES	125 CANTU	125 CENTENO	102 CORNELIO	125 DELGADILLO
125 BRISENO	105 CARABAJAL	125 CERDA	125 CORONA	125 DELGADO
125 BRITO	125 CARABALLO	115 CERNA	125 CORONADO	101 DELGARO
102 BRIZ	101 CARAMBOT	105 CERON	110 CORONEL	102 DELLANO
102 BUCIO	102 CARAVANTES	102 CERRILLO	125 CORRAL	102 DELOSRIOS
125 BUENO	125 CARBAJAL	125 CERVANTES	125 CORRALES	102 DELPILAR
115 BUENOSTRO	105 CARCAMO	125 CERVANTEZ	125 CORREA	115 DELREAL
105 BUITRON	125 CARDENAS	105 CERVERA	125 CORTES	125 DELRIO
102 BULNES	125 CARDONA	110 CESPEDES	125 CORTEZ	115 DELTORO
105 BURCIAGA	102 CARIAS	105 CEVALLOS	115 COSME	115 DELUNA
125 BURGOS	115 CARILLO	101 CHABALA	102 COSSIO	102 DELVAL
125 BUSTAMANTE	125 CARMONA	125 CHACON	101 COTILLA	125 DELVALLE
110 BUSTILLOS	105 CARNERO	110 CHAIDEZ	125 COTTO	102 DERIVERA
125 BUSTOS	110 CARPIO	105 CHAMORRO	102 COYAZO	101 DERMA
102 CAAMANO	125 CARRANZA	125 CHAPA	125 CRESPO	110 DESANTIAGO
105 CABA	125 CARRASCO	115 CHAPARRO	125 CRUZ	102 DESIGA
125 CABALLERO	115 CARRENO	101 CHARBONIER	110 CUADRA	105 DEVORA
125 CABAN	125 CARREON	102 CHARO	102 CUBAS	101 DIAN
101 CABANNE	125 CARRERA	125 CHAVARRIA	101 CUELLA	125 DIAZ
110 CABEZAS	110 CARRERAS	101 CHAVEN	125 CUELLAR	102 DIAZDELEON
110 CABRALES	125 CARRERO	125 CHAVEZ	102 CUELLO	105 DIEGUEZ
125 CABRERA	125 CARRILLO	105 CHINCHILLA	105 CUENCA	115 DIMAS
115 CACERES	102 CARRIO	102 CHIONG	110 CUETO	101 DISENO
102 CADAVID	125 CARRION	105 CHIQUITO	102 CUEVA	101 DOLGONOS
101 CADELL	115 CARRIZALES	101 CHIRA	102 CUMPIAN	125 DOMINGUEZ
125 CADENA	115 CARTAGENA	101 CHUMAN	125 CURIEL	101 DONIAS
102 CAHUE	125 CARVAJAL	115 CIFUENTES	102 CURZ	102 DONJUAN
105 CAJIGAS	125 CASANOVA	125 CINTRON	102 DALLAGO	115 DORADO
101 CALAS	125 CASAREZ	105 CIRILO	105 DAMAS	102 DORANTES
101 CALCEDO	125 CASAS	125 CISNEROS	110 DAMIAN	102 DUANY
125 CALDERA	105 CASERES	102 CISNEROZ	102 DANDA	125 DUARTE
125 CALDERON	115 CASIANO	102 CLAROS	115 DAVALOS	125 DUENAS
102 CALLEROS	125 CASILLAS	115 CLAUDIO	125 DAVILA	101 DUEZ
125 CALVILLO	101 CASIS	105 COLINDRES	110 DEALBA	101 DULMAN
115 CALVO	125 CASTANEDA	125 COLLADO	125 DEANDA	115 DUQUE
125 CAMACHO	105 CASTANEDO	102 COLLASO	102 DEARCOS	101 DURA
115 CAMARENA	110 CASTELLON	125 COLLAZO	102 DEARMAS	125 DURAN
115 CAMARGO	101 CASTENADO	125 COLON	101 DECASTILLO	115 DURON
125 CAMARILLO	102 CASTENEDA	125 COLUNGA	102 DECENA	125 ECHEVARRIA
115 CAMPA	105 CASTILLA	101 COMPARON	102 DEGRACIA	115 ECHEVERRIA
102 CAMPILLO	125 CASTILLO	102 COMPEAN	110 DEHOYOS	105 EGUIA
125 CAMPOS	105 CASTILLON	101 COMPIAN	101 DEIDA	125 ELIZONDO
105 CAMPOVERDE	110 CASTREJON	125 CONCEPCION	125 DEJESUS	125 ENRIQUEZ
115 CAMPUZANO	125 CASTRO	115 CONDE	125 DELACRUZ	101 ERA
101 CANATE	115 CATALAN	102 CONSTANTE	125 DELAFUENTE	125 ESCALANTE
115 CANCEL	110 CAUDILLO	125 CONTRERAS	125 DELAGARZA	115 ESCALERA

125 ESCAMILLA	115 FRAUSTO	110 GONGORA	125 IBARRA	125 LEBRON
110 ESCARENO	115 FREGOSO	125 GONZALES	125 IGLESIAS	115 LECHUGA
125 ESCOBAR	101 FRET	125 GONZALEZ	101 IGOA	125 LEDESMA
125 ESCOBEDO	105 FREYRE	105 GORDILLO	115 INIGUEZ	115 LEDEZMA
102 ESCORZA	125 FRIAS	102 GORDILS	102 INIQUEZ	115 LEIJA
110 ESCOTO	125 FUENTES	125 GRACIA	105 IRAHETA	101 LEIPART
110 ESCUDERO	101 FULLA	102 GRAJALES	125 IRIZARRY	125 LEIVA
110 ESPANA	105 FUNES	125 GRANADO	102 ISAIS	125 LEMUS
125 ESPARZA	105 GACIA	125 GRANADOS	102 ISASSI	125 LEON
101 ESPIN	125 GAITAN	102 GRANO	115 ISLAS	105 LEPE
102 ESPINA	115 GALAN	125 GRIJALVA	115 IZAGUIRRE	102 LESTON
125 ESPINO	125 GALARZA	110 GRULLON	115 IZQUIERDO	125 LEYVA
125 ESPINOSA	115 GALAVIZ	115 GUADALUPE	115 JACQUEZ	110 LEZAMA
125 ESPINOZA	102 GALBAN	102 GUADERRAMA	125 JAIME	125 LIMON
110 ESPITIA	101 GALENA	125 GUAJARDO	125 JAQUEZ	125 LINARES
125 ESQUIBEL	115 GALICIA	125 GUARDADO	125 JARAMILLO	102 LINAREZ
102 ESQUIUEL	125 GALINDO	105 GUARDIOLA	101 JARANILLO	125 LIRA
125 ESQUIVEL	102 GALLAGA	105 GUDIEL	101 JARMILLO	102 LISBOA
101 ESTELLA	125 GALLARDO	105 GUDINO	102 JASO	101 LISSA
125 ESTEVEZ	125 GALLEGOS	102 GUEDES	125 JASSO	105 LIZAMA
125 ESTRADA	125 GALVAN	125 GUERRA	115 JAUREGUI	102 LIZCANO
101 ESTUDILLO	125 GALVEZ	125 GUERRERO	102 JAUREZ	125 LLAMAS
102 ETCHEVERRY	125 GAMBOA	105 GUERRO	102 JAURIGUE	105 LLANAS
115 FABELA	125 GAMEZ	125 GUEVARA	105 JEREZ	105 LLANOS
102 FACIO	102 GANA	125 GUILLEN	101 JERIA	105 LLERENA
125 FAJARDO	125 GAONA	101 GUINEA	110 JIMENES	101 LOBASH
105 FANDINO	125 GARAY	102 GUITTEREZ	125 JIMENEZ	125 LOMELI
125 FARIAS	101 GARBIS	101 GURDIAN	125 JIMINEZ	105 LONA
101 FAUNDEZ	115 GARCES	115 GUTIERRES	105 JUARBE	110 LONDONO
115 FAVELA	125 GARCIA	125 GUTIERREZ	125 JUAREZ	125 LOPEZ
110 FELAN	110 GARDEA	125 GUZMAN	125 JURADO	105 LOREDO
125 FELICIANO	101 GARDONA	125 HARO	105 JUSTINIANO	101 LORIE
115 FELIPE	125 GARIBAY	125 HENRIQUEZ	125 LABOY	105 LOSOYA
110 FELIZ	115 GARNICA	125 HEREDIA	102 LACHINO	125 LOVATO
105 FERMIN	125 GARRIDO	115 HERMOSILLO	101 LAGONA	125 LOYA
125 FERNANDEZ	125 GARZA	125 HERNANDES	102 LAGUER	115 LOZA
102 FERRAN	110 GARZON	125 HERNANDEZ	115 LAGUNA	125 LOZADA
125 FERRER	105 GASCA	102 HERRA	110 LAGUNAS	102 LOZADO
125 FIERRO	101 GATON	102 HERREJON	105 LAMBOY	125 LOZANO
105 FIERROS	105 GAUNA	125 HERRERA	115 LANDEROS	102 LUA
125 FIGUEROA	102 GAVALDON	105 HERRERO	115 LANDIN	125 LUCERO
102 FILOTEO	102 GAVINA	125 HIDALGO	101 LANDINO	125 LUCIO
101 FLADER	125 GAYTAN	101 HIGAREDA	125 LARA	125 LUEVANO
105 FLEITAS	101 GELARDO	110 HIGUERA	102 LARACUENTE	101 LUGARDO
125 FLORES	115 GERENA	125 HINOJOSA	105 LARES	125 LUGO
125 FLOREZ	125 GIL	125 HOLGUIN	102 LARIN	125 LUJAN
125 FONSECA	110 GIMENEZ	101 HORNA	115 LARIOS	125 LUNA
115 FONTANEZ	110 GIRALDO	115 HORTA	102 LARREA	105 LUQUE
101 FONTANI	125 GIRON	125 HUERTA	105 LASTRA	101 LUZCANDO
101 FORCADE	101 GODAY	115 HUERTAS	102 LAZCANO	102 MACIA
102 FORTIS	125 GODINEZ	101 HUICOHEA	115 LAZO	125 MACIAS
110 FRAGOSO	101 GOEZ	102 HUITRON	125 LEAL	101 MACIS
101 FRAIMAN	125 GOMEZ	110 HUIZAR	110 LEANOS	125 MADERA
125 FRANCO	102 GONEZ	125 HURTADO	101 LEASMAN	125 MADRID

125 MADRIGAL	125 MAYORGA	102 MONRREAL	110 NAPOLES	101 ORDIALES
102 MAESTRE	101 MAZAN	125 MONTALVO	125 NARANJO	125 ORDONEZ
110 MAGALLON	101 MAZIN	125 MONTANEZ	102 NAREZ	102 ORDUNO
125 MAGANA	105 MEDEL	125 MONTANO	125 NARVAEZ	101 OREGON
115 MAGDALENO	115 MEDELLIN	102 MONTECINOS	102 NARVAIZ	101 ORIA
102 MAGOS	125 MEDINA	110 MONTEJANO	115 NATAL	101 ORNA
115 MAISONET	125 MEDRANO	110 MONTEJO	125 NAVA	125 ORNELAS
125 MALDONADO	125 MEJIA	125 MONTEMAYOR	102 NAVAR	115 OROPEZA
101 MALLORCA	115 MEJIAS	125 MONTENEGRO	125 NAVARRETE	125 OROZCO
102 MANCERA	115 MELCHOR	125 MONTERO	115 NAVARRETTE	125 ORTA
110 MANCHA	105 MELECIO	105 MONTERROSO	125 NAVARRO	125 ORTEGA
102 MANCIAS	125 MELENDEZ	125 MONTES	125 NEGRETE	110 ORTEGON
110 MANCILLA	105 MELENDREZ	105 MONTESINOS	125 NEGRON	125 ORTIZ
105 MANCILLAS	102 MELERO	102 MONTEVERDE	102 NEIRA	101 ORTUZ
110 MANGUAL	105 MELGAREJO	125 MONTEZ	101 NEITO	105 OSEGUERA
101 MANIOLA	105 MELGOZA	105 MONTEZUMA	101 NERIO	125 OSORIO
110 MANRIQUE	102 MELIAN	115 MONTIEL	125 NEVAREZ	105 OSORNIO
110 MANRIQUEZ	101 MEMBIELA	110 MONTIJO	125 NIETO	101 OSTOS
102 MANSO	125 MENA	105 MONTILLA	125 NIEVES	125 OTERO
101 MARANDO	125 MENCHACA	125 MONTOYA	101 NILA	115 OVIEDO
105 MARAVILLA	125 MENDEZ	115 MONZON	125 NINO	110 OYOLA
115 MARCANO	125 MENDOZA	125 MORA	102 NODARSE	125 PABON
110 MARCHAN	125 MENENDEZ	105 MORADO	101 NOGAR	125 PACHECO
105 MARCIAL	110 MERA	102 MORAGO	102 NOLAZCO	102 PADIA
125 MARES	101 MERANO	101 MORAL	125 NORIEGA	125 PADILLA
110 MARIA	125 MERAZ	125 MORALES	101 NORTEN	105 PADRO
102 MARIAS	125 MERCADO	102 MORARIO	110 NOVOA	125 PADRON
125 MARIN	102 MERCARDO	102 MORATAYA	110 NOYOLA	105 PADUA
105 MARINEZ	110 MERCED	110 MOREJON	125 NUNEZ	125 PAEZ
105 MARMOL	125 MERINO	125 MORENO	105 OBESO	125 PAGAN
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125 MATEO	105 MIRO	102 MUNIS	102 OLIVOS	125 PANTOJA
102 MATEUS	125 MOJICA	125 MUNIZ	101 OLMA	115 PARADA
125 MATIAS	125 MOLINA	115 MUNOS	110 OLMEDO	105 PARAMO
125 MATOS	110 MOLINAR	125 MUNOZ	125 OLVERA	125 PAREDES
101 MATZINGER	101 MOLINERO	110 MURGUIA	102 OMANA	105 PAREDEZ
101 MAURA	110 MONARREZ	125 MURILLO	102 ONATE	105 PARES
115 MAURICIO	115 MONCADA	101 MUROS	125 ONTIVEROS	125 PARRA
102 MAYANS	125 MONDRAGON	102 NAJARRO	125 OQUENDO	125 PARTIDA
105 MAYNEZ	125 MONROY	125 NAJERA	115 ORDAZ	101 PASCENTE

115 PASILLAS	125 PORRAS	101 RENDO	125 ROSAS	102 SARDINAS
110 PASTRANA	105 PORTALATIN	125 RENDON	102 ROSENDO	125 SAUCEDA
125 PATINO	125 PORTILLO	115 RENTAS	101 ROZOS	125 SAUCEDO
102 PATLAN	102 POSADAS	125 RENTERIA	115 RUANO	105 SAVALA
105 PAVON	105 POZO	102 REQUENA	110 RUBALCABA	102 SEDANO
110 PAYAN	105 PRADA	125 RESENDEZ	110 RUBALCAVA	101 SEDENO
102 PAYES	101 PRADEL	110 RESENDIZ	101 RUBALCAVE	110 SEGARRA
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115 PEREYRA	125 QUINTERO	125 ROBLEDO	105 SALIDO	101 SIGAL
125 PEREZ	101 QUIRCH	125 ROBLES	125 SALINAS	115 SIGALA
101 PIANCA	115 QUIROGA	125 ROCHA	110 SALMERON	102 SILIS
102 PICON	125 QUIROZ	102 ROCHEL	125 SAMANIEGO	105 SIMENTAL
110 PIEDRA	101 RAICES	102 ROCHO	102 SAMANO	101 SIMOS
105 PILLOT	101 RAMAS	125 RODARTE	105 SAMUDIO	101 SOBERON
125 PINA	102 RAMIERZ	115 RODAS	125 SANABRIA	125 SOLANO
125 PINEDA	125 RAMIREZ	102 RODELA	125 SANCHES	115 SOLARES
110 PINEDO	125 RAMON	125 RODRIGUEZ	125 SANCHEZ	125 SOLIS
115 PINON	125 RAMOS	125 RODRIGUEZ	102 SANDAVAL	125 SOLIZ
101 PINONES	101 RANPA	102 ROGAS	102 SANDIEGO	125 SOLORIO
102 PINOS	125 RANGEL	101 ROJANO	102 SANDINO	101 SOMORA
105 PINTADO	125 RASCON	125 ROJAS	125 SANDOVAL	101 SOPENA
105 PINTOR	101 RAUL	125 ROJO	102 SANJURJO	125 SORIA
105 PINZON	125 RAYA	125 ROLDAN	115 SANMIGUEL	125 SOSA
101 PIQUERO	110 RAYO	125 ROLON	101 SANTALLA	102 SOTA
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125 POLANCO	102 RELLES	125 ROSADO	115 SAPIEN	125 SUAREZ
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101 SULA	102 URSUA	125 VIGIL	105 ZENTENO
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125 TAMEZ	125 VALDEZ	105 VILLAFANE	102 ZULUAGA
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101 TARDI	102 VALDIZON	105 VILLAGRANA	
115 TAVAREZ	115 VALDOVINOS	115 VILLALBA	
101 TAYO	125 VALENCIA	125 VILLALOBOS	
125 TEJADA	125 VALENTIN	105 VILLALON	
125 TEJEDA	125 VALENZUELA	102 VILLAMIL	
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110 TREVIZO	125 VELEZ	110 ZABALA	
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102 UMANZOR	101 VERTIZ	125 ZARATE	
125 URBINA	102 VICENS	102 ZARO	
125 URIAS	102 VICTORES	125 ZAVALA	
125 URIBE	105 VIDALES	125 ZAYAS	
102 URRRA	125 VIERA	125 ZELAYA	
125 URRUTIA	102 VIEYRA	105 ZELEDON	

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Printed by Authority of the State of Illinois
P.O. #548125 900 6/98