

POPULATION AND HOUSEHOLD FORECAST 1980—2005



Northeastern Illinois is diverse in its land use and complex in its political structure. It has some of the most productive farms on earth — also one of the world's greatest cities. It contains 3,714 square miles of land and 38 square miles of water. It is home to 7 million people, organized in more than 1,250 units of government.

In 1957, following a decade of rapid urbanization in the Chicago suburban area, the Illinois General Assembly created the Northeastern Illinois Planning Commission (NIPC) to conduct comprehensive planning for the six-county greater Chicago region.

The Commission has three statutory charges: conduct research and collect data; assist local government; and prepare comprehensive plans and policies to guide the development of the counties of Cook, DuPage, Kane, Lake, McHenry and Will.

By necessity, regional planning deals with general development policies not local land use detail. NIPC supports and coordinates county and municipal planning. The Commission has advisory powers only and relies upon voluntary compliance with its plans and policies.



northeastern illinois planning commission

400 West Madison Street Chicago, Illinois 60606

(312)454-0400

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Appointment Pending

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Joanne H. Alter

Appointed by the Board of the Illinois Association of Park Districts

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NIPC DATA BULLETIN 84-2

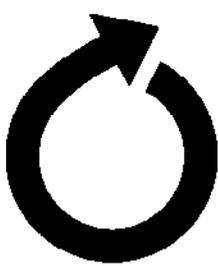
**Population
and
Household
Forecasts**

1980-2005

**As Prepared and Endorsed for Planning Purposes
by the
Planning and Policy Development Committee of the
Northeastern Illinois Planning Commission
on December 21, 1983**

The preparation of this report was financed through grants from the U. S. Department of Transportation, Urban Mass Transportation Administration, and the Illinois Department of Transportation. The opinions, findings and recommendations expressed in this report are not necessarily those of the Illinois Department of Transportation or the Urban Mass Transportation Administration.

**NORTHEASTERN ILLINOIS PLANNING COMMISSION
400 West Madison Street
Chicago, Illinois 60606
(312) 454-0400**



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Bensenville Park District

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November 1, 1984

To the Public Officials and Citizens of Northeastern Illinois

I am pleased to transmit to you "Population and Household Forecasts, 1980-2005," a planning element of the Comprehensive General Plan for the Development of Northeastern Illinois.

The forecasts contained herein replace results endorsed by the Commission in September 1980 and November 1981. The primary differences between the old and new forecasts are the result of the availability and analysis of 1980 Census data. These figures were the subject of extensive local review prior to their endorsement for planning purposes by the Commission's Planning and Policy Development Committee on December 21, 1983. The forecasts were published in the Winter 1983-4 NIPC newsletter, "Planning in Northeastern Illinois," Vol. 25 No. 2. This document serves as a more detailed description of the forecast process. At the time of their completion, the forecasts were considered acceptable by the Bureau of the Budget, State of Illinois.

These "policy-based" forecasts reflect the Commission's strong belief that new suburban expansion will be realized without any significant loss of population in already built-up areas.

Forecasts provide a basic framework for local, county, regional, and state decisions that relate to all aspects of area development and service provision.

Sincerely,

Dean C. Cunat
President

DCC:mcs

I. Introduction

On December 21, 1983 the Commission's Planning and Policy Development Committee, acting on behalf of the full Commission, endorsed a new set of population and household forecasts for each county and municipality in northeastern Illinois. The revised six-county population forecasts for 2005 show a population of 8,079,300. This implies a growth of 975,700, or 13.7 percent, over the 1980 census total of 7,103,624. This data bulletin presents the subregional forecasts and the general approach used to derive the results. Although the Commission did not endorse a forecasted age distribution or results for years between 1980 and 2005, such information is presented here for counties and the city of Chicago.

The regional and county forecasts were prepared using a cohort-component model. This model required assumptions concerning births, deaths and migrants. The regional migration assumptions were selected such that population results would be consistent with employment projections prepared by the Illinois Bureau of the Budget (BOB) and extrapolated to 2005 by NIPC staff. At the time the regional population forecasts were completed, BOB indicated to NIPC that results were acceptable for use by state agencies.

The municipal results were generated using an allocation procedure highly dependent upon information provided by the counties and municipalities. Overall, 86 communities outside of DuPage County responded to requests for comments on preliminary forecasts released in October, 1983. The results for communities within DuPage County were prepared by the DuPage County Development Department. The last set of municipal forecasts were completed in 1980. Since there have been few significant shifts in intra-regional growth patterns since that point, these forecasts are best viewed as a 1980 Census-based refinement of the earlier figures. Accordingly, the substantial amount of municipal review and comment received in the 1980 cycle can be considered as still relevant to the new forecast totals.

II. Summary of Results

The forecasts endorsed by the Commission are presented in Tables 1 and 2. These results reveal two expectations. The first is that due to the influx of the Hispanic population

and declines in the amount of white out-migration, the population totals for the city of Chicago will stabilize. Although the absolute population totals differ slightly, this conclusion is consistent with the forecast results independently derived by the City of Chicago's Planning Department¹ and by demographer Dr. Donald Bogue on behalf of the Metropolitan Housing and Planning Council.² The second expectation is that Kane and Lake counties will experience increases in their share of suburban growth as rates of growth slow in DuPage and northwest Cook counties due to land scarcity. At the same time, McHenry and Will counties will continue their past growth rates.

The municipal forecasts show that while every community will experience some growth in housing, the influence of expected continuing declines in household size is so strong that 50 communities will see a loss of population. All of these municipalities have limited available vacant land upon which to add to their housing stock. At the regional level, average household size is expected to decline from 2.80 in 1980 to 2.58 in 2005. The decline is based only on shifts in the age distribution due to the general aging of the population. The aggregate influence of divorce rates, age at marriage and initial parenthood, the fertility rate, and the effect of the housing market upon household size is assumed to remain constant at its 1980 level.

The municipal forecasts expressed as percentage rates of growth are shown in Map 1. The greatest absolute amounts of growth occur in Aurora, Naperville, Schaumburg, Elgin, Hoffman Estates, Buffalo Grove, Bloomingdale, Orland Park, West Chicago and Carol Stream. All these communities are far from the urban core of the region. With the exceptions of Buffalo Grove and Orland Park, all this growth is in northwest Cook and DuPage counties.

Tables 3 and 4 summarize the results of the cohort-component model. Although the totals for 2005 differ very slightly (from 0.02 to 0.12 percent) from the endorsed forecasts, users can assume that the age forecasts are consistent with the totals as endorsed by the Commission. Diagram 1 shows the 1980 and 2005 age distribution.

¹ Forecasts of Population for Chicago, Department of Planning, City of Chicago, January 1984.

² Population Projections: Chicago SMSA, Chicago City and Metropolitan Ring 1980-2000, Social Development Center, Chicago, Illinois, May 1983.

As the baby boom population ages, shifts in the regional age distribution will continue to be of interest. In 1970 and 1980, 42 percent of the population was 35 years of age and older. By 2005 this figure will be 53 percent. The five year "cohort" with the greatest number of people in 1980 was the group aged 20 to 24. In 2005, the group with the greatest number of people will be in the age range of 45 through 49.

By the end of the forecast period, the school age population will be approximately equal to its 1980 level though it will dip during the interval. The number of very young children will increase during the first part of the forecast period and then fall off to a year 2005 total slightly less than the 1980 level. This growth and then decline will be a function of shifts in the female age distribution. The number of women in child-bearing years 15-44 (and hence the number of births) continues to grow at a rapid pace. But by the end of the forecast period, there will be 144,000 fewer women in the prime child-bearing years of 20 to 29 than in 1980. The senior population, aged 65 and over, will increase steadily throughout the 25 period.

During the 1970 to 1980 period, the region gained under 130,000 new residents. Between 1980 and 2005, the forecasts suggest an average increase of 390,000 people per ten year span. There are two key reasons why this pace of growth is expected to quicken.

First, 1980 Census data made possible an improved analysis of the relationship between changes in employment and shifts in the age distribution. As the baby boom generation entered the labor market in the 1970's, newly created jobs were filled without attracting significant in-migration. In the future, new jobs will have a greater tendency to raise the area's population size. The relationships between change in jobs, population aged 15-64 and total population are shown in Diagram 2. It is important to note from this diagram that if the population forecasts are to be realized, the number of jobs in the region must increase by an average of 26,000 per year.

The second reason for the relatively optimistic population result is the relationship between household and population change. As shown in Diagram 3, the divergence in population and household growth observed in the 1970's represents a substantial departure from past patterns. Interestingly, although population change was minimal, the increase in the number of households in the 1970's was greater than in either of the previous two "boom" decades. The reason for the divergence, of course, was the dramatic decline in household size. Although continuing declines in household size are expected, the

Table 1

POPULATION AND HOUSEHOLD FORECASTS IN NORTHEASTERN ILLINOIS

POPULATION	1950	1960	1970	1980	2005
COOK	4508792	5129725	5493766	5253655	5432600
CHICAGO	3620962	3550404	3369357	3005072	3006100
SUBURBAN COOK	887830	1579321	2124409	2248594	2426500
DUPAGE	154599	313459	487966	658835	930000
KANE	150388	208246	251005	278405	400000
LAKE	179097	293656	382638	440372	605500
MCHENRY	50656	84210	111555	147897	230000
WILL	134336	191617	247825	324460	481200
SUBURB. N.E. ILLINOIS	1556906	2670509	3605398	4098552	5073200
NORTHEASTERN ILLINOIS	5177868	6220913	6974755	7103624	8079300
HOUSEHOLDS					
COOK	1335771	1600499	1766035	1879117	2114700
CHICAGO	1087258	1157409	1137854	1093409	1162400
SUBURBAN COOK	248513	443090	628181	785710	952300
DUPAGE	42944	84147	136251	222014	339400
KANE	42425	58998	74642	93729	150400
LAKE	46844	76547	102947	139715	223800
MCHENRY	14858	24218	33083	49078	85600
WILL	37220	53508	70688	103071	172500
SUBURB.N.E. ILLINOIS	432804	740508	1045792	1393315	1924000
NORTHEASTERN ILLINOIS	1520062	1897917	2183646	2486724	3086400

Table 2
REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

NOTE: 1980 DATA OBTAINED FROM SUMMARY TAPE FILE 1. ADJUSTMENTS MADE BY THE CENSUS BUREAU SINCE THAT TIME ARE NOT REFLECTED HERE. '*' INDICATES THE FIGURES APPLY ONLY TO THE PORTION OF THE COMMUNITY IN THIS COUNTY.

----- SUBURBAN COOK -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
ALSIP	17134	6036	21299	9872
ARLINGTON HEIGHTS	66116	22180	81112	31646
*BARRINGTON	4955	1807	5946	2205
*BARRINGTON HILLS	1980	599	1951	633
*BARTLETT	4705	1732	9752	3316
BEDFORD PARK	988	329	865	350
BELLWOOD	19811	6463	18323	6728
BERKELEY	5467	1882	4526	1941
BERWYN	46849	19831	46960	20495
BLUE ISLAND	21855	8506	21590	9236
BRIDGEVIEW	14155	4658	15581	6620
BROADVIEW	8618	3292	7623	3342
BROOKFIELD	19395	7299	17173	7525
*BUFFALO GROVE	13144	4353	15041	5399
BURBANK	28462	8562	23735	9125
BURNHAM	4030	1343	4078	1534
*BURR RIDGE	1548	510	2772	918
CALUMET CITY	39697	15655	37525	16443
CALUMET PARK	8788	3053	8415	3300
CHICAGO HEIGHTS	37026	11980	37356	13700
CHICAGO RIDGE	13473	4973	17152	6495
CICERO	61232	24212	57261	24883
COUNTRY CLUB HILLS	14676	4204	18472	5483
COUNTRYSIDE	6538	2806	6176	3050
CRESTWOOD	10852	3796	17326	6867
DES PLAINES	53568	18779	59391	22079
DIXMOOR	4175	1454	4014	1624
DOLTON	24766	8287	19618	8382
EAST CHICAGO HEIGHTS	5347	1178	5763	1662
EAST HAZEL CREST	1362	484	1441	532
*ELGIN	11020	3843	16510	6903
ELK GROVE VILLAGE	28907	9363	42714	14521
ELMWOOD PARK	24016	9429	20784	9643
EVANSTON	73706	27907	75144	28848
EVERGREEN PARK	22260	7567	19814	8000
FLOSSMOOR	8423	2693	9987	3703
FOREST PARK	15177	7569	15504	7749
FOREST VIEW	764	271	800	314
FRANKLIN PARK	17507	6126	17469	7105
GLENCOE	9200	3092	7902	3167

Table 2

REVISED MUNICIPAL AND HOUSEHOLD FORECASTS

NOTE: '*' INDICATES THE FIGURES APPLY ONLY TO THE PORTION OF THE COMMUNITY IN THIS COUNTY.

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
GLENVIEW	32060	10670	50236	19356
GLENWOOD	10538	3378	20745	8378
GOLF	482	157	461	164
*HANOVER PARK	18158	5102	19111	7085
HARVEY	35810	10978	37806	12000
HARWOOD HEIGHTS	8228	3343	7382	3542
HAZEL CREST	13973	4454	20470	7454
HICKORY HILLS	13778	4468	14464	5429
HILLSIDE	8279	3072	8134	3482
*HINSDALE	2414	728	2171	846
HODGKINS	2005	875	2098	1042
HOFFMAN ESTATES	37272	12218	62870	24567
HOMETOWN	5324	1938	4582	1990
HOMEWOOD	19724	7149	22162	8524
INDIAN HEAD PARK	2915	1168	3434	1383
INVERNESS	4046	1152	6353	1937
JUSTICE	10552	3884	13413	5741
KENILWORTH	2708	822	2687	845
LAGRANGE	15445	5507	14370	6089
LAGRANGE PARK	13359	5171	12255	5341
LANSING	29039	10371	30159	13195
LEMONT	5640	1948	8375	3225
LINCOLNWOOD	11921	4094	10189	4159
LYNWOOD	4195	1374	5009	2028
LYONS	9925	3965	9271	4080
MARKHAM	15172	3971	15107	4482
MATTESON	10223	3203	23978	8491
MAYWOOD	27998	8357	29279	8731
MCCOOK	303	135	320	162
MELROSE PARK	20735	7982	19570	8564
MERRIONETTE PARK	2054	935	2246	1035
MIDLOTHIAN	14274	4554	15084	5545
MORTON GROVE	23747	7949	20317	8213
MOUNT PROSPECT	52634	18769	62200	24312
NILES	30363	10232	32333	13402
NORRIDGE	16483	5668	14094	5865
NORTH RIVERSIDE	6764	2906	6838	3041
NORTHBROOK	30778	9552	37166	13667
NORTHFIELD	5807	2033	9268	3429
NORTHLAKE	12166	4227	11292	4520
OAK FOREST	26096	7708	29847	10409
OAK LAWN	60590	20725	53900	22831
OAK PARK	54887	22511	54605	23651

Table 2

REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

NOTE: '*' INDICATES THE FIGURES APPLY ONLY TO THE PORTION OF THE COMMUNITY IN THIS COUNTY.

----- SUBURBAN COOK -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
OLYMPIA FIELDS	4146	1218	5907	2073
ORLAND PARK	23045	6963	44622	16981
PALATINE	32166	10628	43422	17069
PALOS HEIGHTS	11096	3242	11861	4024
PALOS HILLS	16654	5607	18895	7309
PALOS PARK	3150	990	6739	2288
*PARK FOREST	22911	7804	21689	8457
PARK RIDGE	38704	13275	37203	13648
PHOENIX	2850	904	2810	987
POSEN	4642	1548	5496	2216
PROSPECT HEIGHTS	11808	4679	13260	6000
RICHTON PARK	9403	3314	16981	6719
RIVER FOREST	12392	4050	12037	4300
RIVER GROVE	10368	4254	9956	4378
RIVERDALE	13233	5606	12983	5689
RIVERSIDE	9236	3535	8112	3568
ROBBINS	8853	2310	9270	2798
ROLLING MEADOWS	20167	6905	20213	7828
*ROSELLE	2397	988	4458	1954
ROSEMONT	4137	1983	3654	2049
SAUK VILLAGE	10906	2847	16150	4924
SCHAUMBURG	53305	19488	88970	37071
SCHILLER PARK	11458	4244	11141	4695
SKOKIE	60278	22314	59308	22689
SOUTH BARRINGTON	1168	307	3094	882
SOUTH CHICAGO HEIGHTS	3932	1435	4008	1720
SOUTH HOLLAND	24977	7506	22294	8158
*STEEGER	3414	1073	3455	1445
STICKNEY	5893	2185	5796	2305
STONE PARK	4273	1376	3878	1396
STREAMWOOD	23456	6445	32279	10708
SUMMIT	10110	3568	9886	3909
THORNTON	3022	1006	3291	1311
*TINLEY PARK	26151	8306	42863	15449
WESTCHESTER	17730	6170	18580	7765
WESTERN SPRINGS	12876	4281	12674	4513
WESTHAVEN	2784	767	7925	2500
WHEELING	23266	9038	38981	17639
WILLOW SPRINGS	4147	1405	3656	1529
WILMETTE	28229	9725	27681	10034
WINNETKA	12772	4260	12800	4590
WORTH	11592	4230	10903	4761
UNINCORPORATED	130958	46433	37748	14373

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REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

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----- DUPAGE COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
ADDISON	29759	9655	39520	13350
*AURORA	1683	618	52810	18210
*BARTLETT	8549	2485	15230	4520
*BENSENVILLE	16121	5853	18800	6970
BLOOMINGDALE	12659	3977	34800	11570
*BOLINGBROOK	1154	314	2270	730
*BURR RIDGE	2285	688	6250	1970
CAROL STREAM	15472	5835	35800	14270
CLARENDON HILLS	6870	2489	8180	3010
DARIEN	14536	4475	28340	11010
DOWNERS GROVE	42572	15282	57380	21030
ELMHURST	44276	14722	48480	16300
GLENDALE HEIGHTS	23163	7411	32720	12930
GLEN ELLYN	23717	8444	33700	12770
*HANOVER PARK	10692	3624	15000	6370
*HINSDALE	14312	5020	16800	6080
ITASCA	7129	2337	13110	4400
LISLE	13625	5090	33120	13010
LOMBARD	37295	12981	48500	17440
*NAPERVILLE	41429	12784	91470	31930
OAK BROOK	6641	1970	10350	3240
OAKBROOK TERRACE	2285	1124	7600	3920
*ROSELLE	14551	4804	19920	7020
*ST. CHARLES	21	8	3200	1200
VILLA PARK	23185	7900	24800	8640
WARRENVILLE	7519	2721	14620	5580
*WAYNE	460	154	2180	790
WEST CHICAGO	12550	4099	34000	11460
WESTMONT	16718	6703	29120	13760
WHEATON	43043	14379	57810	20480
WILLOWBROOK	4953	2047	10600	4890
WINFIELD	4422	1263	14060	4430
WOOD DALE	11251	3656	19640	7720
WOODRIDGE	22322	7823	31760	12970
UNINCORPORATED	121656	39269	18060	6450

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REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

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----- KANE COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
*ALGONQUIN	258	66	5080	1660
*AURORA	79610	27050	98164	36976
*BARRINGTON HILLS	105	31	180	59
BATAVIA	12574	4380	18551	6969
BURLINGTON	442	155	597	228
CARPENTERSVILLE	23272	6863	32449	10667
EAST DUNDEE	2618	912	7056	2623
ELBURN	1224	417	3797	1473
*ELGIN	52778	19620	80696	33345
GENEVA	9881	3545	12624	5185
GILBERTS	405	125	1493	595
HAMPSHIRE	1735	584	2973	1105
MAPLE PARK	637	216	799	286
*MONTGOMERY	3329	1227	6166	2350
NORTH AURORA	5205	1897	9104	3764
PINGREE GROVE	183	63	288	103
*SAINT CHARLES	17471	6157	27428	10648
SLEEPY HOLLOW	2000	604	2955	1042
SOUTH ELGIN	6218	1859	9805	3444
SUGAR GROVE	1366	395	4518	1485
*WAYNE	480	168	2013	688
WEST DUNDEE	3551	1381	8500	3400
UNINCORPORATED	53063	16014	65164	22326

----- LAKE COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
ANTIOCH	4419	1514	8754	3340
BANNOCKBURN	1316	180	1368	242
*BARRINGTON	4074	1355	7761	2918
*BARRINGTON HILLS	524	163	547	181
*BUFFALO GROVE	9086	2648	30833	11222
DEER PARK	1368	407	2251	713
DEERFIELD	17430	5360	16978	6335
*FOX LAKE	6624	2789	11486	4960
GRAYSLAKE	5260	1908	14662	5909
GREEN OAKS	1415	398	2232	669
GURNEE	7179	2670	23023	9618

Table 2

REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

NOTE: '*' INDICATES THE FIGURES APPLY TO THE PORTION OF THE COMMUNITY IN THIS COUNTY.

----- LAKE COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
HAINESVILLE	187	49	194	60
HAWTHORN WOODS	1658	482	3010	1000
HIGHLAND PARK	30611	10223	34220	13055
HIGHWOOD	5452	1979	5470	2060
INDIAN CREEK	236	68	320	112
*ISLAND LAKE	1569	514	1840	643
KILDEER	1609	442	2659	804
LAKE BARRINGTON	2320	869	3059	1209
LAKE BLUFF	4434	1511	6508	2757
LAKE FOREST	15245	4821	21041	7786
LAKE VILLA	1462	497	3000	1220
LAKE ZURICH	8225	2592	16448	5837
LIBERTYVILLE	16520	5307	28793	9795
LINCOLNSHIRE	4151	1185	7500	2542
LINDENHURST	6220	1749	13063	4031
LONG GROVE	2013	534	2684	783
METTAWA	330	108	843	300
MUNDELEIN	17053	5519	24816	9294
NORTH BARRINGTON	1475	460	1749	660
NORTH CHICAGO	38774	6999	44064	10125
OLD MILL CREEK	84	30	169	70
PARK CITY	3673	1626	4921	2477
RIVERWOODS	2804	810	4301	1373
ROUND LAKE	2644	911	6130	2520
ROUND LAKE BEACH	12921	3612	17479	5150
ROUND LAKE HEIGHTS	1192	353	2232	702
ROUND LAKE PARK	4032	1285	8270	2814
THIRD LAKE	222	75	699	282
TOWER LAKES	1177	342	1556	533
VERNON HILLS	9827	3667	19011	8494
WADSWORTH	1104	324	1910	615
WAUCONDA	5688	1957	6676	2738
WAUKEGAN	67653	24134	85637	35619
WINTHROP HARBOR	5438	1733	7686	2821
ZION	17861	5696	21327	7281
UNINCORPORATED	85813	27860	76327	30167

Table 2

REVISED MUNICIPAL POPULATION AND HOUSEHOLD FORECASTS

NOTE: '*' INDICATES THE FIGURES APPLY TO THE PORTION OF THE COMMUNITY IN THIS COUNTY.

----- MCHENRY COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
*ALGONQUIN	5576	1787	20101	6505
*BARRINGTON HILLS	1022	297	2294	736
BULL VALLEY	509	149	1446	504
CARY	6640	2270	16572	6179
CRYSTAL LAKE	18590	6191	35230	13792
*FOX LAKE	207	57	328	137
FOX RIVER GROVE	2515	932	3906	1577
FOX RIVER VALLEY GARDENS	520	171	1601	575
HARVARD	5126	1930	6208	2320
HEBRON	786	293	902	372
HOLIDAY HILLS	802	228	2016	671
HUNTLEY	1646	563	2120	777
*ISLAND LAKE	724	257	3339	1166
LAKE IN THE HILLS	5651	1669	7434	2439
LAKEMOOR	723	252	902	315
LAKEMOOD	1254	384	2748	870
MARENGO	4361	1631	5085	2216
MCCULLOM LAKE	947	318	1419	500
MCHENRY	11949	4246	27490	11208
OAKWOOD HILLS	1255	401	1341	464
PRAIRIE GROVE	680	199	2230	741
RICHMOND	1068	388	1133	485
SPRING GROVE	571	183	2000	680
SUNNYSIDE	1432	423	3603	1063
UNION	622	203	869	304
WONDER LAKE	752	251	1673	587
WOODSTOCK	11725	4420	18402	8102
UNINCORPORATED	60244	18985	57608	20318

----- WILL COUNTY -----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
BEECHER	2024	721	3322	1289
*BOLINGBROOK	36107	10655	51765	18157
BRAIDWOOD	3429	1089	6504	2121
CHANNAHON	3734	1089	11231	3350
CREST HILL	9252	3560	16660	6345
CRETE	5417	1815	11725	4484

Table 2

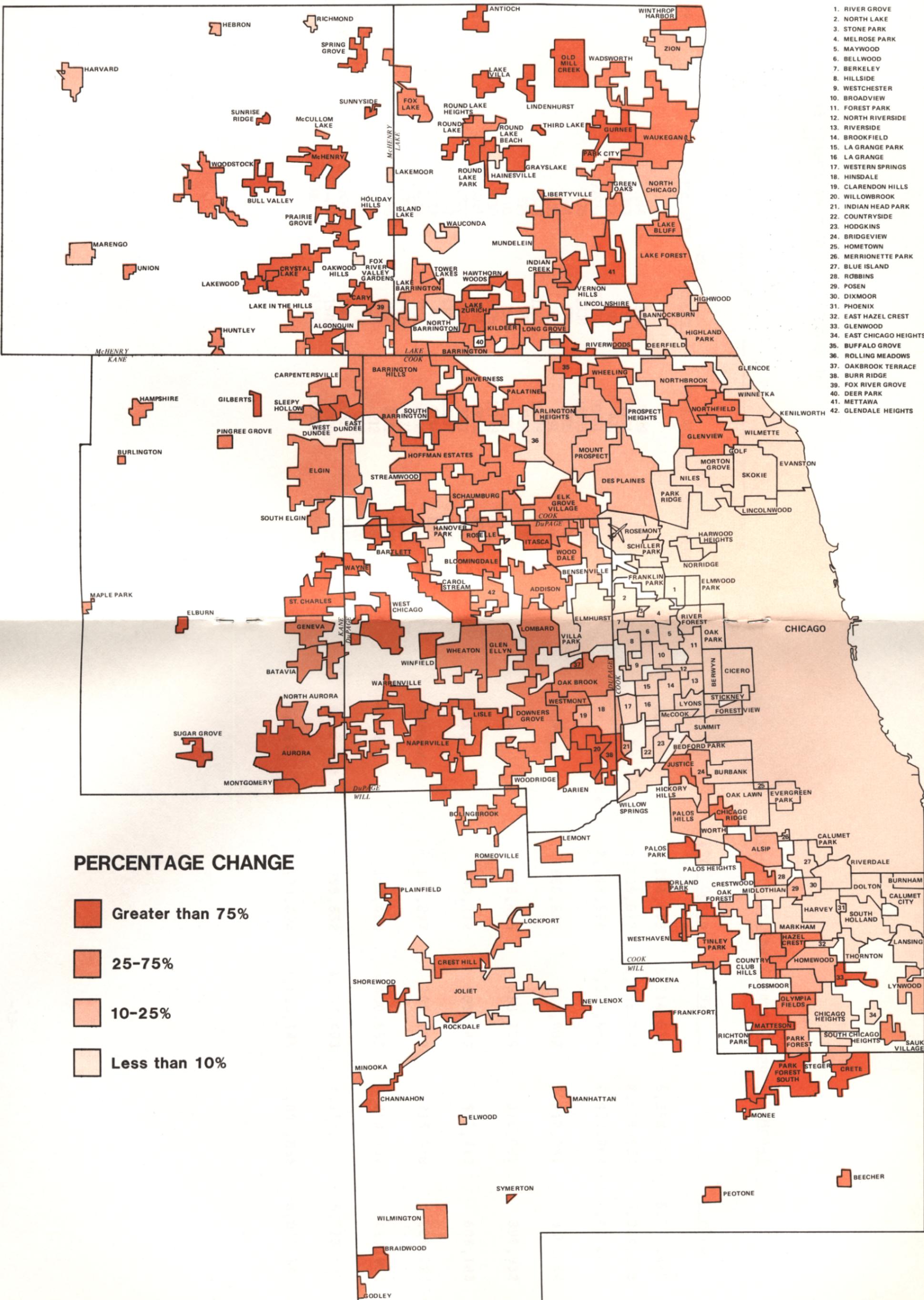
REVISED MUNICIPAL AND HOUSEHOLD FORECASTS

NOTE: '*' INDICATES THE FIGURES APPLY TO THE PORTION OF THE
COMMUNITY IN THIS COUNTY.

-----WILL COUNTY-----

MUNICIPALITY	1980		2005	
	POPULATION	HOUSEHOLDS	POPULATION	HOUSEHOLDS
ELWOOD	814	289	1009	369
FRANKFORT	4357	1256	11791	3827
*GODLEY	322	91	470	136
JOLIET	77956	27272	93661	34587
LOCKPORT	9170	3338	14935	6613
MANHATTAN	1944	670	2706	1035
*MINOOKA	138	41	191	69
MOKENA	4578	1522	12678	4496
MONEE	993	371	2166	825
*NAPERVILLE	901	259	11288	4130
NEW LENOX	5792	1925	12778	4571
*PARK FOREST	3311	1181	9228	3696
PEOTONE	2832	1009	3742	1487
PLAINFIELD	3767	1347	18197	7025
ROCKDALE	1913	713	3244	1214
ROMEOVILLE	15519	3838	24150	7108
SHOREWOOD	4714	1408	9073	3097
*STEGER	5855	2162	7871	3308
SYMERTON	120	35	212	65
*TINLEY PARK	20	8	269	100
UNIVERSITY PARK	6243	2061	20511	7642
WILMINGTON	4424	1576	5930	2472
UNINCORPORATED	108814	31769	113931	38849

PERCENTAGE CHANGE IN POPULATION IN NORTHEASTERN ILLINOIS MUNICIPALITIES, 1980-2005



1. RIVER GROVE
2. NORTH LAKE
3. STONE PARK
4. MELROSE PARK
5. MAYWOOD
6. BELLWOOD
7. BERKELEY
8. HILLSIDE
9. WESTCHESTER
10. BROADVIEW
11. FOREST PARK
12. NORTH RIVERSIDE
13. RIVERSIDE
14. BROOKFIELD
15. LA GRANGE PARK
16. LA GRANGE
17. WESTERN SPRINGS
18. HINSDALE
19. CLARENDON HILLS
20. WILLOWBROOK
21. INDIAN HEAD PARK
22. COUNTRYSIDE
23. HODGKINS
24. BRIDGEVIEW
25. HOMETOWN
26. MERRIONETTE PARK
27. BLUE ISLAND
28. ROBBINS
29. POSEN
30. DIXMOOR
31. PHOENIX
32. EAST HAZEL CREST
33. GLENWOOD
34. EAST CHICAGO HEIGHTS
35. BUFFALO GROVE
36. ROLLING MEADOWS
37. OAKBROOK TERRACE
38. BURR RIDGE
39. FOX RIVER GROVE
40. DEER PARK
41. METTAWA
42. GLENDALE HEIGHTS

PERCENTAGE CHANGE

- Greater than 75%
- 25-75%
- 10-25%
- Less than 10%



Table 3

Results of the Cohort-Component Model

	<u>1980 Census</u>	<u>1990</u>	<u>2000</u>	<u>2005</u>
Cook	5,253,655	5,214,631	5,358,419	5,431,465
Chicago	3,005,072	2,855,742	2,934,557	3,004,115
Suburban	2,248,594	2,358,889	2,423,862	2,427,350
DuPage	658,835	813,807	912,081	930,694
Kane	278,405	318,725	375,001	399,932
Lake	440,372	505,243	571,713	605,148
McHenry	147,897	185,182	215,810	229,722
Will	324,460	400,557	459,832	480,981
Sub. Total	4,098,552	4,582,403	4,958,299	5,073,827
Total	7,103,624	7,438,145	7,892,856	8,077,942

Table 4

TOTAL POPULATION BY AGE FOR CHICAGO AND SUBURBAN COUNTIES, 1970 AND 1980

1970	CHICAGO	SUBURB COOK	DUPAGE	KANE	LAKE	MCHENRY	WILL	COOK	OUTER COUNTY	REGION
0- 4	283101	182601	45984	23521	33201	10078	23416	465702	136200	601902
5- 9	308405	222832	58048	26928	40698	12427	28712	531237	166813	698050
10-14	315937	233706	59029	26943	52111	13043	28610	549643	169736	719379
15-19	280389	186685	45139	22822	46795	9939	22378	467074	147073	614147
20-24	275403	142105	29902	19162	32677	6555	17760	417508	106056	523564
25-29	241189	146038	34832	18411	24418	7407	18498	387227	103566	490793
30-34	191955	128567	33078	15111	22987	6542	16194	320522	94012	414534
35-39	177740	127217	31909	13893	22290	6310	15024	304957	89426	394383
40-44	190931	142625	33413	14494	24068	6513	15156	333556	93644	427200
45-49	199763	141683	31700	14208	22605	6465	14552	341446	89530	430976
50-54	197866	126681	25854	12489	19117	6062	12487	324547	76009	400556
55-59	187925	105819	20446	11010	15724	5272	10569	293744	63021	356765
60-64	161055	79885	14706	9687	11932	4593	8248	240940	49166	290106
65-69	128488	57358	10133	7630	8683	3646	6211	185846	36303	222149
70-74	98306	42361	7483	5981	6373	2796	4941	140667	27574	168241
75-79	68767	30104	5040	4381	4602	2011	3486	98871	19520	118391
80-84	37789	17633	3167	2637	2667	1112	2041	55422	11624	67046
85+	21948	11512	2019	1697	1690	684	1215	33460	7305	40765
TOTAL	3366957	2125412	491882	251005	382638	111555	249498	5492369	1486578	6978947
1980	CHICAGO	SUBURB COOK	DUPAGE	KANE	LAKE	MCHENRY	WILL	COOK	OUTER COUNTY	REGION
0- 4	232022	144661	49382	23982	33915	11764	29026	376680	148069	524749
5- 9	227899	152637	50922	23446	34337	12292	29556	380535	150553	531088
10-14	234117	182953	57690	23877	38629	14096	30137	417070	164429	581499
15-19	269087	204638	59113	26234	48532	13459	30381	473725	177719	651444
20-24	293909	199524	57346	25050	39860	11216	28267	493431	161739	655170
25-29	276526	188820	62782	25465	37899	12182	29818	465346	168146	633492
30-34	223107	174244	61902	23456	37201	13532	29995	397350	166086	563436
35-39	168543	147276	51822	18174	31674	11525	23520	315819	136715	452534
40-44	147759	126226	39142	14590	25278	8391	17171	273985	104572	378557
45-49	140376	122227	34316	13195	22479	7166	14554	262600	91710	354310
50-54	153755	135659	34739	13307	22969	6899	14401	289413	92315	381728
55-59	156109	131644	31369	12328	20454	6380	13289	287753	83820	371573
60-64	139352	108143	22839	9981	15333	5484	10353	247495	63990	311485
65-69	121377	83844	16455	7877	11583	4691	8570	205221	49176	254397
70-74	91075	58977	11461	6641	8166	3573	6258	150052	36099	186151
75-79	64580	41181	8061	5015	5725	2565	4248	105761	25614	131375
80-84	38515	26007	5297	3215	3489	1520	2824	64522	16345	80867
85+	26964	19933	4197	2572	2849	1162	2092	46897	12872	59769
TOTAL	3005072	2248594	658835	278405	440372	147897	324460	5253655	1849969	7103624

Table 4

ENDORSED POPULATION FORECAST (83Y)										
1990	CHICAGO	SUBURB COOK	DUPAGE	KANE	LAKE	MCHENRY	WILL	COOK	OUTER COUNTY	REGION
0- 4	270529	172899	59161	28602	38988	13938	32095	443428	172784	616212
5- 9	236111	152264	57860	27204	38264	13448	32948	388375	169724	558099
10-14	194585	141970	58996	24662	34888	14624	34796	336555	167966	504521
15-19	183045	153042	60080	23900	40016	15917	34555	336087	174468	510555
20-24	210682	166904	56331	23600	47298	14345	31389	377586	172963	550549
25-29	265421	180130	59067	25017	40628	11849	30609	445551	167170	612721
30-34	277875	204702	77413	28833	37786	14912	36549	482577	195493	678070
35-39	228526	202346	85956	28212	42248	17620	38921	430872	212957	643829
40-44	172703	177076	75571	23677	41664	16333	33560	349779	190805	540584
45-49	136074	143413	55605	18003	33714	12743	23923	279487	143988	423475
50-54	116057	118906	39782	13976	25258	9323	16307	234963	104646	339609
55-59	115039	117825	34051	12313	21916	7422	13504	232864	89206	322070
60-64	114852	120007	31007	11522	19800	6327	12147	234859	80803	315662
65-69	104371	107266	24471	9527	15801	5436	10141	211637	65376	277013
70-74	85296	81960	16539	7123	11090	4328	7740	167256	46820	214076
75-79	65731	57500	10678	5433	7581	3186	5476	123231	32354	155585
80-84	43705	34425	6040	3852	4666	1995	3361	78130	19914	98044
85-89	27363	20516	4038	2586	2884	1123	1965	47879	12596	60475
90+	7777	5738	1161	683	753	313	571	13515	3481	16996
TOTAL	2855742	2358889	813807	318725	505243	185182	400557	5214631	2223514	7438145

ENDORSED POPULATION FORECAST (83Y)										
2000	CHICAGO	SUBURB COOK	DUPAGE	KANE	LAKE	MCHENRY	WILL	COOK	OUTER COUNTY	REGION
0- 4	203018	139680	54961	26902	35004	15108	35072	342698	167047	509745
5- 9	247994	164237	61155	29260	40805	15501	34937	412231	181658	593889
10-14	253195	165827	65213	30217	43891	16203	36588	419022	192112	611134
15-19	221314	150058	62335	28746	43546	15935	36778	371372	187340	558712
20-24	183385	137563	56581	25403	41363	14820	34750	320948	172917	493865
25-29	179712	141280	57442	24674	38756	14523	34008	320992	169403	490395
30-34	217568	165157	70253	27734	42003	16095	37008	382725	193093	575818
35-39	255439	190644	81729	29625	44375	17083	38746	446083	211558	657641
40-44	252249	204826	88712	30554	44659	18194	39678	457075	221797	678872
45-49	211852	198605	86335	28850	45134	18382	37664	410457	216365	626822
50-54	161490	170133	71266	23947	41061	16000	30422	331623	182696	514319
55-59	122098	133906	50320	17915	32023	11979	20746	256004	132983	388987
60-64	100641	109283	33818	13495	23242	8205	13292	209924	92052	301976
65-69	91518	100951	25350	11122	18248	5989	9809	192469	70518	262987
70-74	81209	92596	19883	9409	14718	4569	7949	173805	56528	230333
75-79	65633	74591	13903	7597	10974	3387	5849	140224	41710	181934
80-84	46553	50899	7933	5571	7201	2217	3824	97452	26746	124198
85-89	30084	26278	3622	3103	3676	1238	2044	56362	13683	70045
90+	9605	7348	1270	877	1034	382	668	16953	4231	21184
TOTAL	2934557	2423862	912081	375001	571713	215810	459832	5358419	2534437	7892856

Table 4

ENDORSED POPULATION FORECAST (83Y)

2005 AGE	CHICAGO	SUBURB COOK	DUPAGE	KANE	LAKE	MCHENRY	WILL	COOK	OUTER COUNTY	REGION
0- 4	195057	126312	53017	27876	36294	15364	35884	321369	168435	489804
5- 9	216972	146450	57112	28268	38426	16000	35865	363422	175671	539093
10-14	248450	164826	63694	30191	43611	17198	37223	413276	191917	605193
15-19	251842	164308	63983	30942	48150	16951	37073	416150	197099	613249
20-24	219188	148030	57781	28220	45358	14815	34992	367218	181166	548384
25-29	181631	135351	56266	26308	37109	14339	34942	316982	168964	485946
30-34	179763	142794	66785	27890	39769	17149	38552	322557	190145	512702
35-39	217313	165117	75827	28757	45894	18090	39022	382430	207590	590020
40-44	252148	189336	82201	30077	46382	17884	38322	441484	214866	656350
45-49	247251	202607	86404	30771	45716	18297	38009	449858	219197	669055
50-54	206016	194055	82299	28680	44887	17921	35251	400071	209038	609109
55-59	154736	163660	66278	23367	39848	15258	27757	318396	172508	490904
60-64	114191	125847	44504	17113	29986	10938	17999	240038	120540	360578
65-69	91223	100032	27820	12422	21116	7278	10873	191255	79509	270764
70-74	78186	88043	19169	9886	15874	4916	7431	166229	57276	223505
75-79	63832	74597	13507	8138	12168	3418	5289	138429	42520	180949
80-84	47042	56454	8667	6308	8764	2229	3736	103496	29704	133200
85-89	29566	31130	4160	3731	4631	1278	2093	60696	15893	76589
90+	9708	8401	1220	987	1165	399	668	18109	4439	22548
TOTAL	3004115	2427350	930694	399932	505148	229722	480981	5431465	2646477	8077942

Diagram 1

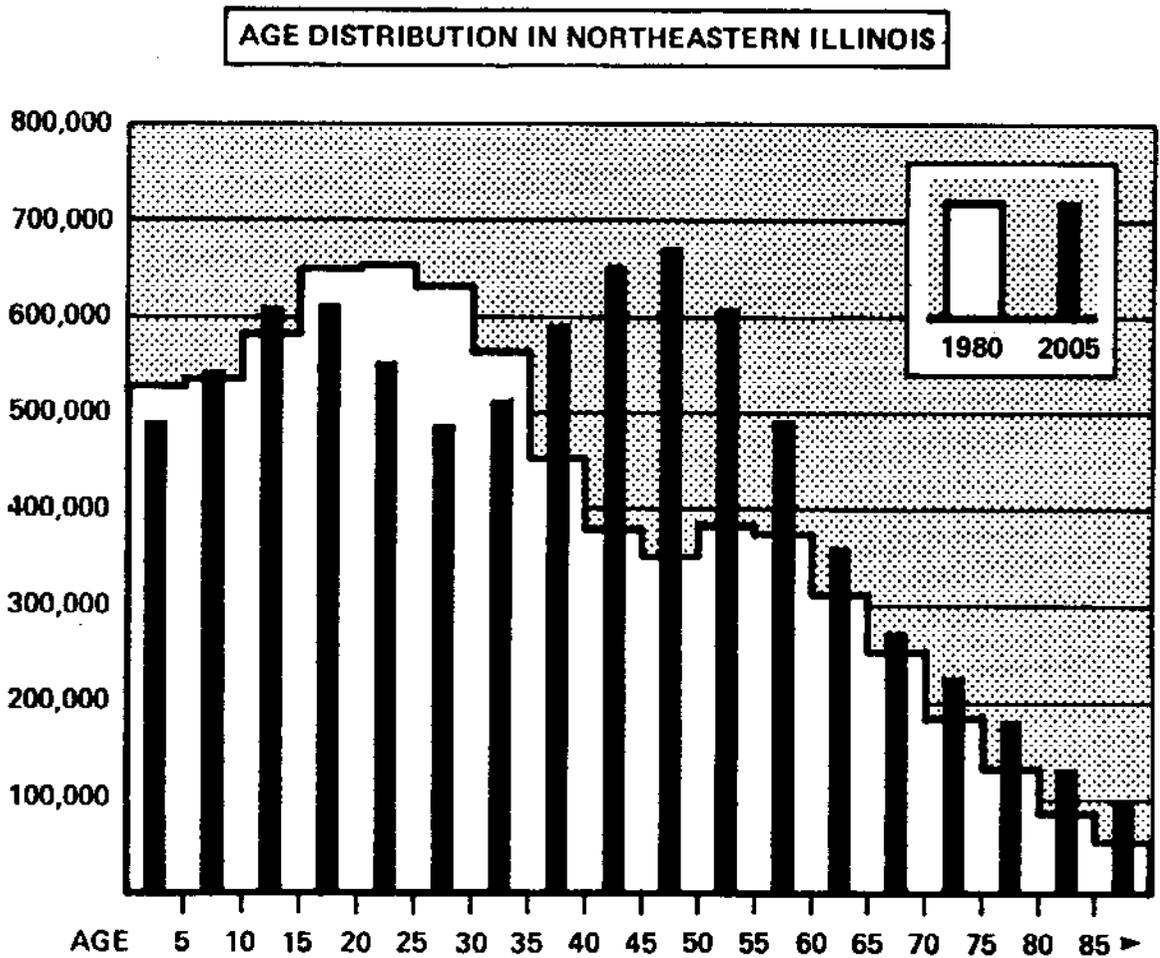
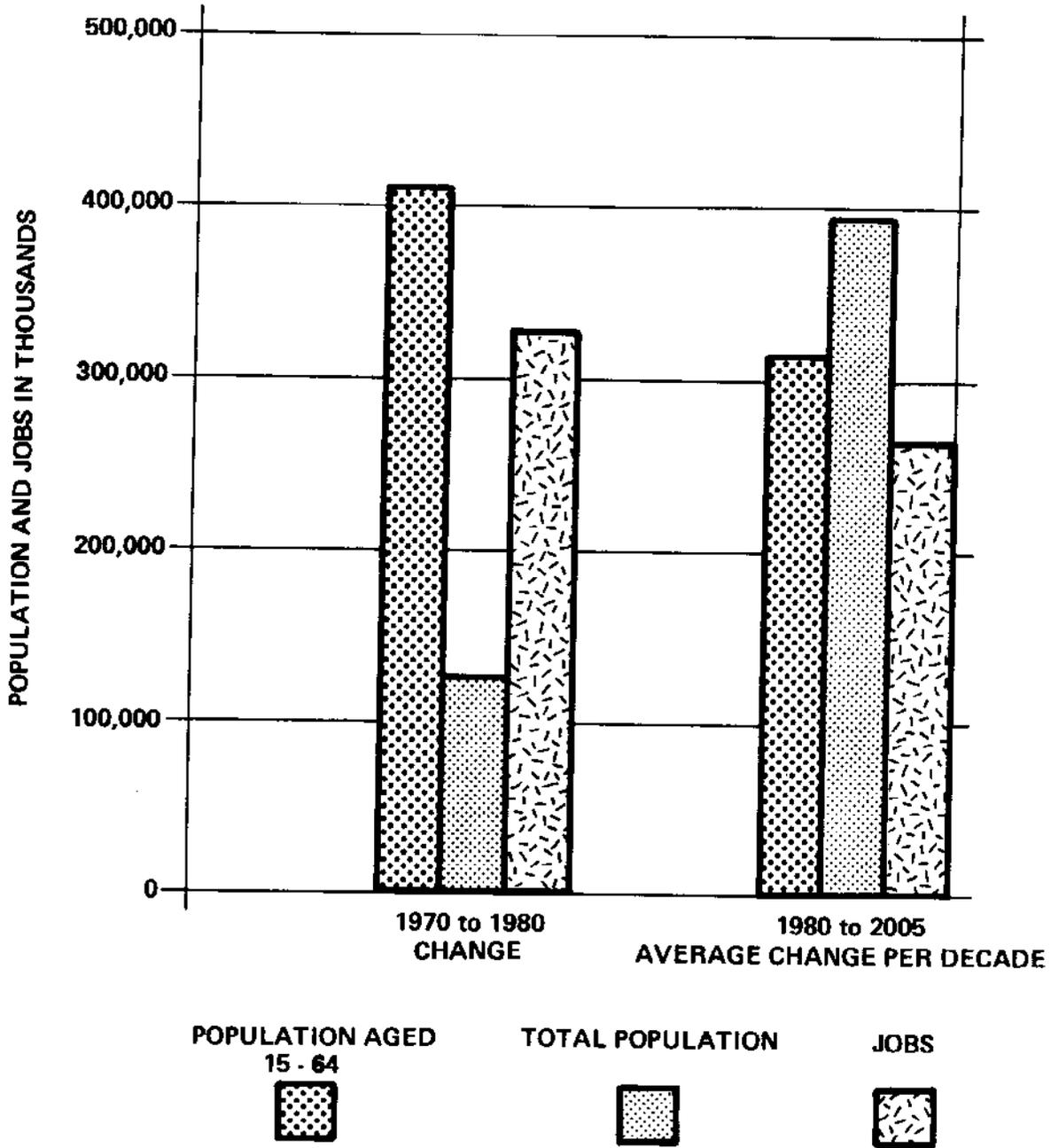
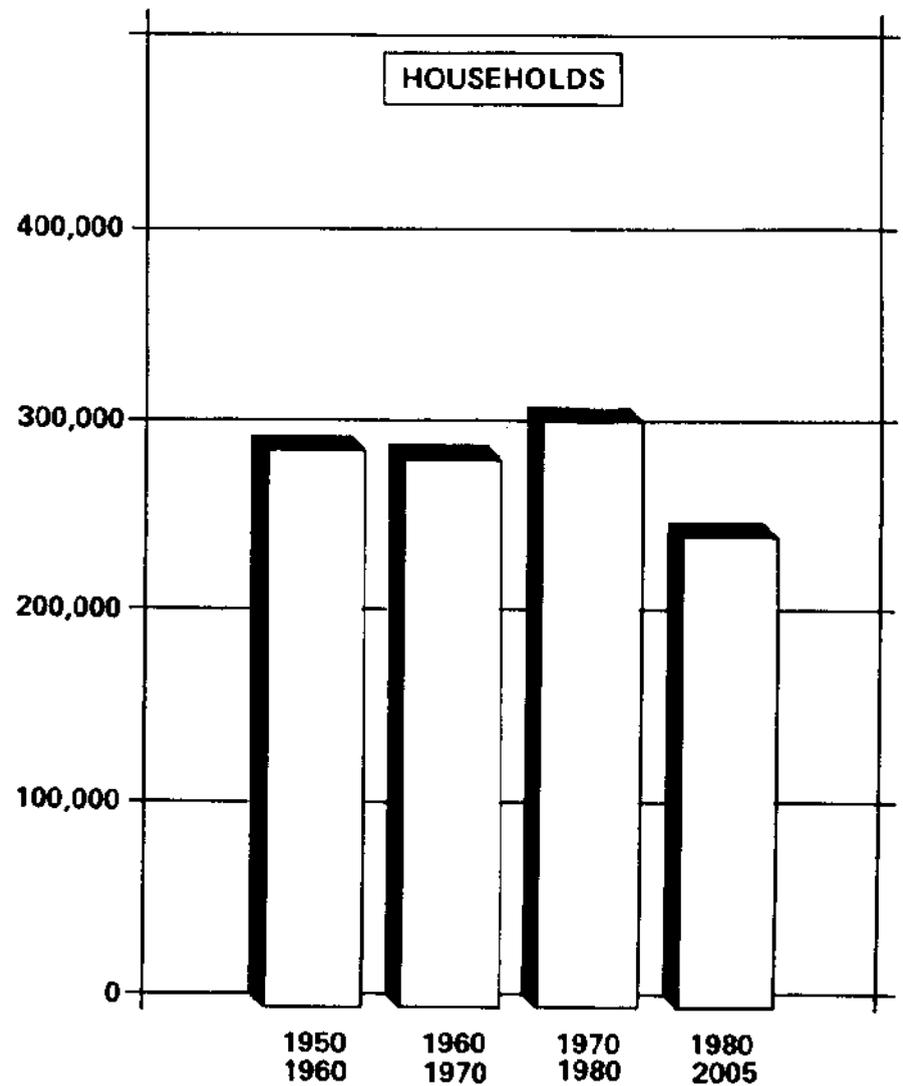
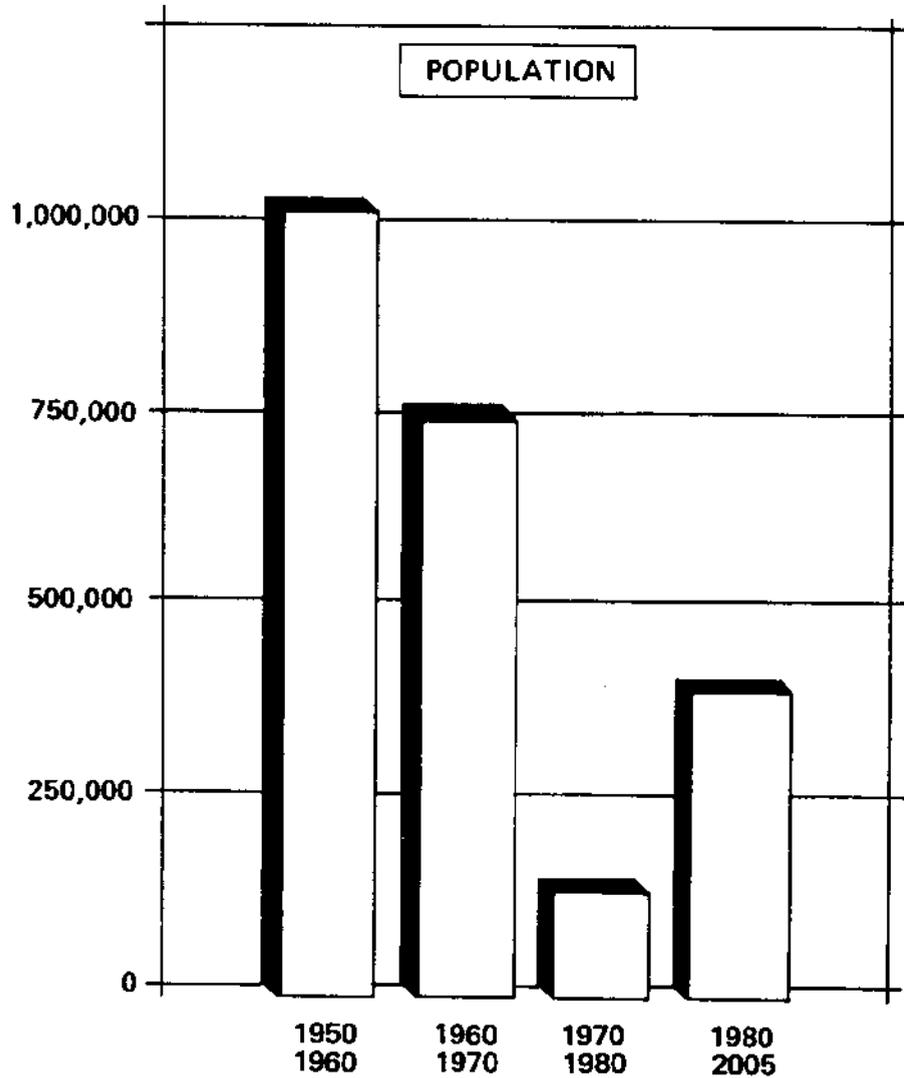


DIAGRAM 2

POPULATION, JOBS, LABOR FORCE AGES



CHANGE IN POPULATION AND HOUSEHOLDS IN NORTHEASTERN ILLINOIS *



*Includes Cook, DuPage, Kane, Lake, McHenry and Will counties.

Table 5

HOUSEHOLD SIZE IN NORTHEASTERN ILLINOIS

	<u>1950</u>	<u>1960</u>	<u>1970</u>	<u>1980</u>	<u>2005</u>	<u>Percent change 70-80</u>	<u>Percent change 80-05</u>
Chicago	3.18	3.01	2.91	2.71	2.55	-6.9	-5.9
Suburban Cook	3.44	3.50	3.34	2.82	2.51	-15.6	-11.0
DuPage	3.49	3.66	3.56	2.92	2.71	-18.0	-7.2
Kane	3.24	3.34	3.26	2.92	2.63	-10.4	-9.9
Lake	3.42	3.52	3.42	2.98	2.60	-12.9	-12.8
McHenry	3.37	3.45	3.35	2.99	2.67	-10.7	-10.7
Will	3.42	3.44	3.43	3.07	2.74	-10.5	-10.7
N.E. Illinois	3.25	3.20	3.14	2.80	2.58	-10.8	-7.9

decrease will moderate such that the more normal relationship between population and household change will resume. Past and projected household size are summarized in Table 5.

III. General Forecast Approach

Regional Forecasts

There are three key elements in the NIPC approach to population forecasts. The first is the determination of the most probable population and household total for the region as a whole. The second is the incorporation of regional policy in the allocation of the regional total to areas within the region. The third key element is the participation of municipal officials and the incorporation of local plans and objectives. The intent is to establish a realistic and achievable distribution of population within the region that is consistent with local and areawide goals. Such a forecast can then be used by federal, state, and local governments in planning future service needs and corresponding capital investments.

The objective of developing future population and household totals for the six-county region is to arrive at the most probable levels of change. Results are based on an analysis and projection of trends in fertility, mortality, migration, jobs and labor force participation. These forecasts become the basis for the calculation of county and municipal forecasts. The Commission cooperates with the Illinois Bureau of the Budget in an effort to achieve consistent forecasts for the six-county area.

Relationship to Regional Policy

The Commission recognizes that forecasts used in planning major public facilities and services have the ability to influence the distribution of population in the region, and therefore are themselves an expression of policy. The NIPC process seeks to express a set of forecasts that are consistent with regional objectives and realistically achievable.

The process of allocating county growth forecasts to smaller areas reflects natural resource constraints to development as well as policies regarding the access of

development to transportation, wastewater, and other municipal services. In addition, the forecasts support the conservation of mature communities as well as a sound pattern of new development.

Local Participation

The involvement of county and municipal officials is the third key element in the NIPC forecast approach. NIPC coordinates a broad technical process through which municipal forecasts, consistent with regional and county forecast totals, are submitted to mayors and presidents of municipalities so that technical assumptions can be refined to reflect local knowledge, growth plans, and policies. Based on this involvement with municipalities, NIPC finalized and endorsed the municipal forecasts.

IV. Method and Assumptions

The forecasts are generated through a four-step process. Step 1 involves the development of a preliminary regional population total used to negotiate a final total with staff of the Bureau of the Budget, State of Illinois. Step 2 allocates the regional total to suburban counties and the city of Chicago. Step 3 is the development of preliminary municipal figures. The final step begins with the comments of local officials and ends with the adjusted municipal and county forecast totals.

Steps 1 and 2 are accomplished through the use of a cohort-component model.³ Very simply, such models start with a population distributed by age groups and sex. To the base data, births expected during the forecast period are added, deaths by age are subtracted and net migrants are added (or subtracted).

The mortality assumptions were constructed by assuming that the improvements in life expectancy for the white population observed in the 1970 to 1980 period would be repeated for the 1980 to 2005 timespan. Life expectancy for the non-white population

³ The model used here is described in the manual Techniques for Making Population Projections, Donald Bogue and Louise Rehling, University of Chicago, 1974.

was assumed to reach white life expectancy levels of 1970.⁴ These assumptions are summarized in Table 6. Identical mortality assumptions were used in the preparation of each county forecast.

Regionwide, it was assumed that, first, the white total fertility rate would increase slightly from 1,822 lifetime births per 1,000 women in 1980 to 1,900 in 2005, and, second, the non-white total fertility rate would decline from 2,327 in 1980 to 2,100 in 2005. These assumptions are similar to the mid-range national assumptions suggested by the Bureau of the Census. The particular county level rates were selected after studying the relationship among regional and subregional rates for 1960 through 1980 and the relationship of white to non-white rates within each sub-area for 1970 and 1980. These rates are presented in Table 7.

The most critical assumptions, particularly for the county level forecasts, were the migration assumptions. The regional migration assumptions were selected in order to generate a population total that matched the State of Illinois' employment forecast for the six-county area. The process of reconciling the population total, particularly the labor force aged population, with the employment totals assumed relatively stable labor force participation and a long term rate of unemployment of six percent. The regional migration figure served as the control total for the subregional assumptions. The specific migration was selected to represent a reasonable and realistic combination of factors including trends, potential limits to growth and decline, and expected new growth areas within northeastern Illinois. The age patterns of migration associated with the total net migrants are based on subregional patterns observed for the 1970's. These patterns are summarized in Diagram 4. The total employment forecasts endorsed by the Commission are presented in Table 8.

The historical and projected components of population change are presented in Table 9. This table shows that, regionwide, there will be more births in the 1980's than in the 1970's. After 1990, however, the average annual number of births will be substantially less. Through the forecast period, the average annual number of deaths will increase. This increase reflects a combination of factors including an increasing total population, an aging population and an improvement in life expectancy. The outmigration from the

⁴ The life tables used here are presented in a June 1983 NIPC staff memo "Construction of the Abridged 1979-1981 Life Table for Northeastern Illinois."

region will continue through the mid-1990's after which the region should experience a net inflow of migrants.

The preliminary municipal figures were developed by, first, adjusting the 1980 municipal forecasts to reflect the final 1980 census totals. These adjusted forecasts of change from 1980 to 2000 were further adjusted in order to match the new year 2005 county totals. Results were then reconciled with capacity calculations based upon existing vacant acres and either densities recommended to us by each municipality or, if a community failed to respond to our query concerning density, the existing residential density. In cases where the capacity was exceeded, "excess" households were reallocated across the remaining municipalities. With several exceptions, these results were used as the preliminary forecasts that were mailed to each community for review and comment in early October 1983. The exceptions were as follows:

1. In DuPage County, the results were prepared by the County's Development Department;
2. In the north Cook County area, a subcommittee of the CATS Council of Mayors in the area had prepared revised quarter section allocations of the 1980 municipal forecasts; these allocations of 1980 to 2000 change in households were used as the basis for the calculation of preliminary results;
3. Several municipalities provided NIPC staff with detailed advice concerning the municipal and quarter section forecast; in all such cases, this advice superceded other calculations.

The final results reflect the comments received from many communities in the period from October through December 1983. Most comments concerned the accuracy of the census result for 1980 and the decline in household size.

Table 6

LIFE EXPECTANCY AT BIRTH IN NORTHEASTERN ILLINOIS				
	1960	1970	1980	2005
WHITE				
FEMALE	73.1	75.6	77.7	80.0
MALE	66.8	68.6	70.4	72.4
NON-WHITE				
FEMALE	66.1	69.6	73.5	75.6
MALE	61.2	60.8	64.7	68.6

Table 7

TOTAL FERTILITY RATE

REGION	WHITE				NON-WHITE			
	1960	1970	1980	2005	1960	1970	1980	2005
CHICAGO	3546	2402	1822	1900	4746	3142	2327	2100
SUBURB COOK	3370	2390	1970	2054	4756	3120	2339	2100
DUPAGE	3644	2347	1645	1805	4484	3319	2186	2100
KANE	3729	2423	1727	1801	-	2619	1960	2044
LAKE	3822	2674	2267	2100	-	3529	2466	2100
MCHENRY	3882	2604	1900	1900	-	3189	2444	2100
WILL	4309	2613	1996	2081	-	-	-	-
	3772	2501	2025	2100	-	3671	2245	2100

TOTAL FERTILITY RATE = CHILDREN BORN TO 1000 WOMEN DURING LIFETIME

Diagram 4

NET MIGRATION NORTHEASTERN ILLINOIS 1970 - 1980

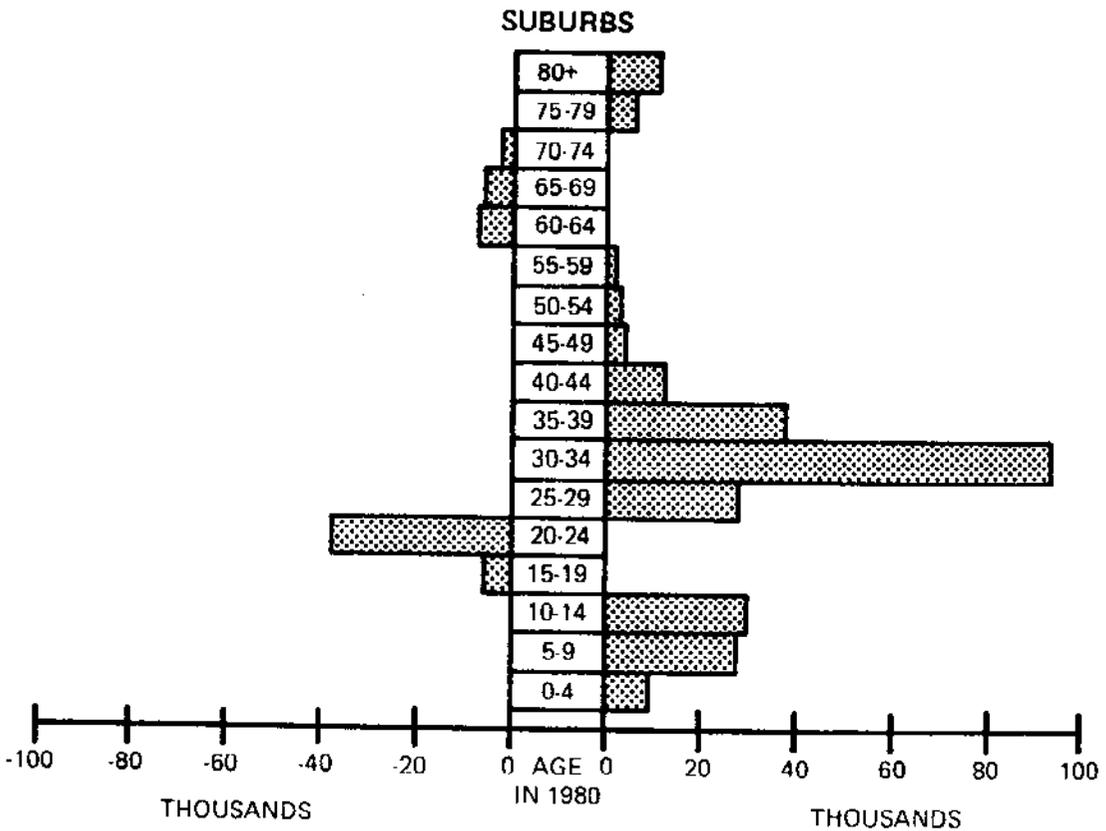
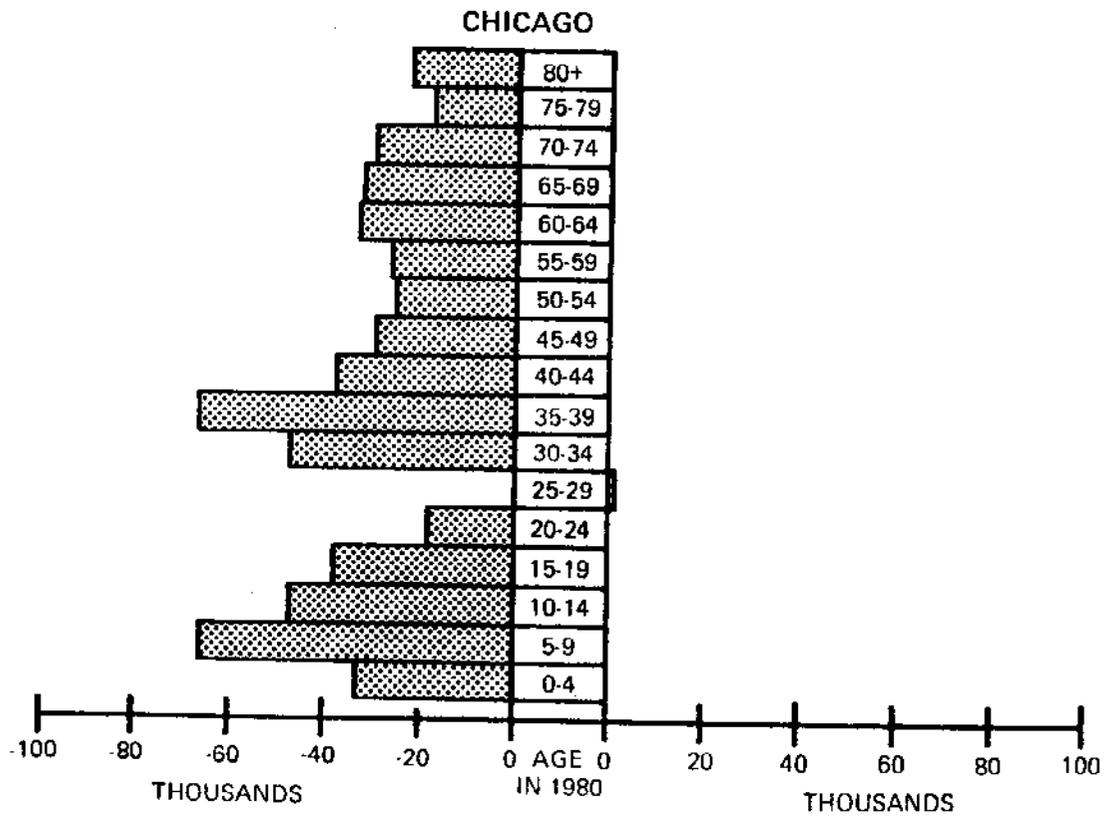


Table 8

Revised Employment Forecasts
(in thousands)

	<u>1970</u>	<u>1980</u>	<u>2005</u>
Cook	2644	2707	2998
Chicago	1816	1581	1668
Suburban Cook	828	1126	1330
DuPage	139	290	465
Kane	97	128	185
Lake	111	161	238
McHenry	33	47	68
Will	78	95	139
N.E. Illinois	3102	3428	4093
Suburban N.E. Illinois	1286	1847	2425

Table 9

COMPONENTS OF POPULATION CHANGE IN NORTHEASTERN ILLINOIS 1960-2005

		1960-70	1970-80	1980-90	1990-05
CHICAGO	BIRTHS	766797	574659	545555	661731
	DEATHS	422426	356133	284507	424984
	MIGRANTS	-527818	-580411	-410378	-88374
SUBURBAN COOK	BIRTHS	363831	302473	328855	433513
	DEATHS	136626	171493	211288	376449
	MIGRANTS	318886	-7798	-7272	11397
DUPAGE	BIRTHS	75772	84113	113681	170694
	DEATHS	23744	32329	47881	85203
	MIGRANTS	126395	115158	89172	31396
KANE	BIRTHS	49203	48094	56153	82894
	DEATHS	19947	20366	22944	43052
	MIGRANTS	13503	-328	7111	41365
LAKE	BIRTHS	68116	64017	73267	110950
	DEATHS	22952	25984	32440	63706
	MIGRANTS	43818	19701	24044	52661
MCHENRY	BIRTHS	19722	19674	26037	45078
	DEATHS	8878	10219	12304	21588
	MIGRANTS	16501	26887	23552	21050
WILL	BIRTHS	46490	50385	62920	105708
	DEATHS	17503	20067	23340	39428
	MIGRANTS	28894	44644	36517	14144
N.E. ILLINOIS	BIRTHS	1389931	1141415	1206468	1610568
	DEATHS	652076	636591	634704	1054410
	MIGRANTS	20179	-382147	-237243	83639

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