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Population Forecast

The Chicago Metropolitan Agency for Planning *2040 Forecast of Population, Households and Employment* was developed in support of the [GO TO 2040 \(/about/2040\)](#) comprehensive regional plan adopted in October 2010. GO TO 2040 was updated in accordance with federal law in October 2014, with an adjusted forecast.

The primary function of these data is to serve as an input for CMAP transportation [modeling \(/data/transportation/modeling\)](#) activities, which are an important component in [air quality conformity \(/mobility/roads/conformity-analysis\)](#) evaluations of the region's Transportation Improvement Program (TIP). ([/programs-and-resources/tip](#))

The GO TO 2040 forecast was developed through the creation of a "reference scenario" based on current population and land use trends. Mathematical modeling techniques were then employed to evaluate how the distribution of population and employment would change in response to different planning strategies that might heighten or dampen the amount of socioeconomic activity within a given area. The data in this forecast reflect the CMAP [Preferred Regional Scenario \(/about/2040/supporting-materials/process-archive/scenario-evaluation/preferred-regional-scenario\)](#), which was developed in part through a series of [Invent the Future \(/about/2040/supporting-materials/process-archive/scenario-evaluation/invent\)](#) workshops held throughout the region between May and September 2009.

This adjusted forecast, released with the GO TO 2040 plan update in October 2014, applies official 2010 population and employment totals to correct for base-year overestimates in the original forecast; localized growth projections were also modified to reflect updated land use and development assumptions. See [Socioeconomic Forecast Update Overview \(link below\)](#) for more information.

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The table below (revised October 2014) summarizes the expected outcomes of the GO TO 2040 Preferred Scenario in comparison to base-year (2010) conditions. These data are used for a variety of regional land use and transportation planning efforts.

	Population in Households				Households				Employment			
	2010	2040	CHANGE	GROWTH	2010	2040	CHANGE	GROWTH	2010	2040	CHANGE	GROWTH
Cook	5,104,393	5,960,242	855,849	16.8%	1,966,356	2,304,045	337,689	17.2%	2,379,923	2,814,972	435,049	18.3%
DuPage	904,784	1,104,089	199,305	22.0%	337,132	412,100	74,968	22.2%	608,709	768,282	159,573	26.2%
Kane	508,482	789,295	280,813	55.2%	170,479	265,774	95,295	55.9%	186,768	340,509	153,741	82.3%
Kendall	114,528	228,530	114,002	99.5%	38,022	74,382	36,360	95.6%	22,066	71,830	49,764	225.5%
Lake	682,753	896,341	213,588	31.3%	241,712	318,170	76,458	31.6%	314,717	401,748	87,031	27.7%
McHenry	307,113	508,918	201,805	65.7%	109,199	179,215	70,016	64.1%	88,947	153,389	64,442	72.4%
Will	669,013	1,175,218	506,205	75.7%	225,256	393,148	167,892	74.5%	201,854	437,110	235,256	116.5%
REGION	8,291,066	10,662,633	2,371,567	28.6%	3,088,156	3,946,835	858,679	27.8%	3,802,984	4,987,839	1,184,855	31.2%
Chicago*	2,654,078	3,054,654	400,576	15.1%	1,052,891	1,220,388	167,497	15.9%	1,221,758	1,458,527	236,769	19.4%

*Includes O'Hare portion in DuPage Co.

*Sources: U.S. Bureau of the Census (2010 Population & Households); Illinois Department of Employment Security (2010 Employment); CMAP (2040 Projections)

Associated Files to Download

All forecast-related files listed below can be found on the [CMAP Data Hub](https://datahub.cmap.illinois.gov/dataset/2040-forecast-of-population-households-and-employment)

(<https://datahub.cmap.illinois.gov/dataset/2040-forecast-of-population-households-and-employment>).

Excel spreadsheet (<https://datahub.cmap.illinois.gov/dataset/2040-forecast-of-population-households-and-employment/resource/6797c3f2-6101-4156-86d5-5be74868db27>) (132 Kb, revised October 2014) containing 2040 forecast summaries of population, households and employment by county, township and municipality. Note that the 2010 data presented in this spreadsheet are subzone-level aggregations, and not direct Census figures. Selected 2010 Census SF1 results for CMAP Counties, County Subdivisions (Townships), and Places can be found here (/documents/10180/13313/Census2010-SF1-Totals-County-MCD-Place_09-11-12.xlsx/c9a7c6d3-1113-4014-b810-25b499b3ab29) (Excel, 265 Kb).

The PDF maps below provide a graphic depiction of the municipalities and townships that subzones were assigned to for generation of municipal/township forecast totals. Please be aware that these subzone aggregations were created for tabulation purposes only, and are not intended to suggest or predict the future extent of any community.

Municipal subzone assignment map (<https://datahub.cmap.illinois.gov/dataset/c9ecca87-33d8-4f42-a4b8-af38e6eboe27/resource/e4486866-5b62-4d4c-9fb5-e54b1818c919/download/gt2040forecasts-subzonetomuniattrib122010final.pdf>) (PDF, 8 MB)

Township subzone assignment map (<https://datahub.cmap.illinois.gov/dataset/c9ecca87-33d8-4f42-a4b8-af38e6eboe27/resource/e4486866-5b62-4d4c-9fb5-e54b1818c919/download/gt2040forecasts-subzonetomuniattrib122010final.pdf>) (PDF, 8 MB)

[4f42-a4b8-af38e6eboe27/resource/bbd6c7c0-9378-4487-aca1-5f4ba56b2bd7/download/gt2040forecastsbyzonetotownship122010final.pdf](https://datahub.cmap.illinois.gov/dataset/bbd6c7c0-9378-4487-aca1-5f4ba56b2bd7/resource/bbd6c7c0-9378-4487-aca1-5f4ba56b2bd7/download/gt2040forecastsbyzonetotownship122010final.pdf)

(PDF, 6 MB)

The GIS shapefile (<https://datahub.cmap.illinois.gov/dataset/2040-forecast-of-population-households-and-employment/resource/of97d6c0-c655-4868-ac81-18eae8e8799c>) (2 MB zipped, 9 MB uncompressed; revised October 2014) represents CMAP subzones with 2010 and 2040 (projected) population and employment. Subzone-level forecast data are the result of modeling procedures which mathematically express policies reflected in the GO TO 2040 Preferred Scenario; as such, they cannot be considered precise at any specific (subzone) location. These data are only appropriate for planning purposes when aggregated to larger areas.

Socioeconomic Forecast Update Overview (<https://datahub.cmap.illinois.gov/dataset/c9ecca87-33d8-4f42-a4b8-af38e6eboe27/resource/9e1a1016-1041-40d5-81c7-6212fofe32ed/download/gt2040planupdateforecastappendixfinal.pdf>):

An appendix to the GO TO 2040 Plan Update describing the processes involved in developing the updated forecast. (PDF, 18MB)

Socioeconomic Validation and Forecasting Method

(<https://datahub.cmap.illinois.gov/dataset/c9ecca87-33d8-4f42-a4b8-af38e6eboe27/resource/07379fee-5c79-41b4-a6b4-507b54105b27/download/gt2040socecvalidation012011final.pdf>):

A primer on the methods used to develop datasets representing population and employment for long range plan strategy analyses and preferred scenario modeling for the original GO TO 2040 forecast. This document is in two sections: **Base Conditions** describes the efforts involved in developing an estimate of 2010 population and employment prior to the release of official figures. While the updated forecast replaces these estimates with official figures, this section and associated appendices will serve as a useful guide to others facing a similar task. **Forecasting Urban Activity** outlines the approach taken for developing the 2040 forecast, and is the foundation on which the current (October 2014) forecast is based. (PDF, 2.5MB)

Users of these forecasts should adhere to CMAP's Forecasting Principles

(<https://datahub.cmap.illinois.gov/dataset/c9ecca87-33d8-4f42-a4b8-af38e6eboe27/resource/da2f7e97-2546-46f7-811c-210e8c5c3fe2/download/cmapforecastprinciples101612rev.pdf>)

when preparing analyses related to GO TO 2040 implementation.

If you have questions regarding any of these documents, please contact us at info@cmap.illinois.gov (<mailto:info@cmap.illinois.gov>).

