POPULATION COUNTS AND NON-ADJUSTED PROJECTIONS 2000 TO 2060
FOR ORANGE COUNTY TOWNSHIPS AND MUNICIPALITIES
Prepared by the Orange County Planning and Inspections Department, August 2021

The population projections contained herein are based strictly on previous mathematical growth rates, and do not include adjustments for amount of developable land; economic trends or conditions; current land use policies; and/or other similar factors. The constraints of land and policy on projected populations will be factored in as coordinated land use conditions and policies unfold.

TOWNSHIP / Municipality	POPULATION[1]					AVG 10-YEAR GROWTH RATE[2]	POPULATION PROJECTIONS[3]			
	1980	1990	2000	2010	2020		2030	2040	2050	2060
BINGHAM	3,954	5,184	6,181	6,527	6,972	0.062	7,404	7,863	8,351	8,869
CEDAR GROVE	3,166	3,691	4,930	5,222	5,251	0.032	5,419	5,592	5,771	5,956
CHAPEL HILL	50,572	61,973	76,578	87,971	96,006	0.12	107,527	120,430	134,882	151,067
Town of Carrboro	7,517	12,134	16,782	19,582	21,295	0.126	23,978	26,999	30,401	34,232
Town of Chapel Hill[4]	32,038	37,596	44,102	54,397	59,054	0.16	68,503	79,463	92,177	106,925
Unincorporated	11,017	12,243	15,694	13,992	15,657	-	15,046	13,967	12,303	9,910
CHEEKS	4,821	5,422	7,064	9,313	11,050	0.252	13,835	17,321	21,686	27,151
City of Mebane[4]	379	485	675	1,793	3,171	1.212	7,014	15,516	34,320	75,917
Unincorporated	4,442	4,937	6,389	7,520	7,879	-	6,820	1,805	(12,635)	(48,766)
ENO	4,450	5,262	6,092	7,501	8,437	0.178	9,939	11,708	13,792	16,247
HILLSBOROUGH	8,599	10,136	11,639	13,809	17,373	0.222	21,230	25,943	31,702	38,740
Town of Hillsborough	3,019	4,263	5,446	6,087	9,660	0.352	13,060	17,658	23,873	32,276
Unincorporated	5,580	5,873	6,193	7,722	7,713	-	8,169	8,285	7,829	6,464
LITTLE RIVER	1,493	2,183	3,047	3,458	3,607	0.089	3,928	4,278	4,658	5,073
TOTAL COUNTY	77,055	93,851	115,531	133,801	148,696	N/A	169,281	193,135	220,842	253,102

Notes and Sources:

1 The Population figures for 1980, 1990, 2000, 2010, and 2020 are from the US Census.

2   The Average 10-Year Growth Rate is the average between the 2000 to 2010, and 2010 to 2020 growth rates.

3   The Township and Municipality Population Projections for 2030 to 2060 are based upon the population figure for the previous timeframe multiplied by the Average 10-Year Growth Rate, which is the growth figure. The growth figure is then added to the previous timeframe figure to get the projected population (i.e. for Bingham Township from 2020 to 2030: 6,972 x .062 = 432;432+6972 = 7,404). The Population Projections for the Unincorporated areas in Townships with Municipalities was determined by subtracting the Municipal populations from the total population for the Township. The Population Projections for the County from 2030 to 2060 are based upon the sum of the population figures for each of the Townships.

4   For the municipalities, only the portions within Orange County are included. The Town of Chapel Hill's population figures do not include portions in Durham County, and the City of Mebane's population figures do not include the portions in Alamance County.

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SUPPORTING DOCUMENTATION

TOWNSHIP	POPULATION				10-YEAR GROWTH RATES			
	1990	2000	2010	2020	1990-2000	2000-2010	2010-2020	AVERAGE
Bingham	5,184	6,181	6,527	6,972	0.19	0.06	0.07	0.062
Cedar Grove	3,691	4,930	5,222	5,251	0.34	0.06	0.01	0.032
Chapel Hill	61,973	76,578	87,971	96,006	0.24	0.15	0.09	0.120
Cheeks	5,422	7,064	9,313	11,050	0.30	0.32	0.19	0.252
Eno	5,262	6,092	7,501	8,437	0.16	0.23	0.12	0.178
Hillsborough	10,136	11,639	13,809	17,373	0.15	0.19	0.26	0.222
Little River	2,183	3,047	3,458	3,607	0.40	0.13	0.04	0.089
TOTAL COUNTY	93,851	115,531	133,801	148,696	0.23	0.16	0.11	0.135

MUNICIPALITY	POPULATION				10-YEAR GROWTH RATES			
	1990	2000	2010	2020	1990-2000	2000-2010	2010-2020	AVERAGE
Town of Carrboro	12,134	16,782	19,582	21,255	0.383	0.167	0.085	0.126
Town of Chapel Hill	37,596	44,102	54,397	59,094	0.173	0.233	0.086	0.160
City of Mebane	485	675	1,793	3,171	0.392	1.656	0.769	1.212
Town of Hillsborough	4,263	5,446	6,087	9,660	0.278	0.118	0.587	0.352

Notes and Sources:
-- The Population figures for 1980, 1990, 2000, 2010, and 2020 are from the US Census.
-- The Average 10-Year Growth Rate is the average between the 2000 to 2010, and 2010 to 2020 growth rates.

Linear Population Projections based on 2000-2020 Census:

TOWNSHIP Municipality	POPULATION					Average Increment	POPULATION PROJECTIONS			
	1980	1990	2000	2010	2020		2030	2040	2050	2060
BINGHAM	3,954	5,184	6,181	6,527	6,972	396	7,368	7,764	8,160	8,556
CEDAR GROVE	3,166	3,691	4,930	5,222	5,251	161	5,412	5,573	5,734	5,895
CHAPEL HILL	50,572	61,973	76,578	87,971	96,006	9,714	105,720	115,434	125,148	134,862
Town of Carrboro	7,517	12,134	16,782	19,582	21,295	2,257	23,552	25,809	28,066	30,323
Town of Chapel Hill	32,038	37,596	44,102	54,397	59,054	7,476	66,530	74,006	81,482	88,958
Unincorporated	11,017	12,243	15,694	13,992	15,657	-19	15,638	15,619	15,600	15,581
CHEEKS	4,821	5,422	7,064	9,313	11,050	1,993	13,043	15,036	17,029	19,022
City of Mebane	379	485	675	1,793	3,171	1,248	4,419	5,667	6,915	8,163
Unincorporated	4,442	4,937	6,389	7,520	7,879	745	8,624	9,369	10,114	10,859
ENO	4,450	5,262	6,092	7,501	8,437	1,173	9,610	10,783	11,956	13,129
HILLSBOROUGH	8,599	10,136	11,639	13,809	17,373	2,867	20,240	23,107	25,974	28,841
Town of Hillsborough	3,019	4,263	5,446	6,087	9,660	2,107	11,767	13,874	15,981	18,088
Unincorporated	5,580	5,873	6,193	7,722	7,713	760	8,473	9,233	9,993	10,753
LITTLE RIVER	1,493	2,183	3,047	3,458	3,607	280	3,887	4,167	4,447	4,727
TOTAL COUNTY	77,055	93,851	115,531	133,801	148,696	16,584	165,280	181,864	198,448	215,032
Total Incorporated	42,953	54,478	67,005	81,859	93,180	13,088	106,268	119,356	132,444	145,532
Total Unincorporated	34,102	39,373	48,526	51,942	55,516	3,496	59,012	62,508	66,004	69,500

NOTE: Durham City comprises two small areas of Orange County, one each in Eno and Chapel Hill Townships. The total population of both areas is 144 people. These people were included in their respective township totals.

Linear methodology:

Formula: $Pt + n = Pt + bn$

      where   Pt   = population in base year t;

            Pt+n   = projected population size at a future year, n units of time beyond base year t;

            b   = average increment of change in population size per unit of time; and

            n   = the number of time periods beyond base year t

The average increments were obtained by substracting 2000 from 2010 and 2010 from 2020 and dividing the sum of by 2. Example: ((2000-2010)+(2010-2020))/2.   The projections were done by adding the average increment (row 9) to the 2020 data (row 7) and multiplying the result by the difference in the projection year and the most recent year of data (row 7), then dividing that result by 10 (10 year projection increments). Example: 6,972 + (396 * (2030-2020)/10))= 6,923
Methodology taken from URBAN LAND USE PLANNING (p.125) found in Planning library.

Note: The 2000 population numbers for the Town of Chapel Hill, Chapel Hill Twp and Orange County have been corrected by the U.S. Census Bureau. This worksheet reflects those changes.