



**To:** Dr. Charles Johns  
Board of Education

**From:** Dr. Kim Ptak  
Dr. R.J. Gravel

**Date:** Monday, November 28, 2022

**Re:** Enrollment Forecast Update for 2022-23

**Background**

Since the 2014-15 school year, the school district has used a demographer, Dr. Jerome McKibben, to calculate a 10-year population forecast. Additionally, the administration prepares an annual internal enrollment projection using a cohort survival method. The population forecast and cohort survival projections have become essential tools for long-range planning and budgeting purposes. As a result, these tools are updated annually using October 1st enrollment counts as recorded in PowerSchool and summary data provided by our elementary feeder school districts (27, 28, 30, 31, and 34).

**Population Forecast**

Dr. McKibben's population forecast methodology assesses the impact of factors such as fertility rates, housing patterns, mortgage rates, mortality rates, census data, migration patterns, unemployment rates, the dynamics of local private schools, and feeder elementary school district enrollment data. This comprehensive approach lends itself to increased accuracy in long-term forecasts.

**Table 1**  
**Population Forecast**

	District			Glenbrook North			Glenbrook South		
	10/2022	10/2021	O/(U)	10/2022	10/2021	O/(U)	10/2022	10/2021	O/(U)
<b>2022-23</b>	5,092 actual	5,093 estimate	(1)	2,062 actual	2,074 estimate	(12)	3,030 actual	3,019 estimate	11
<b>2023-24</b>	5,061	5,044	17	2,068	2,088	(20)	2,993	2,956	37
<b>2024-25</b>	5,036	5,026	10	2,125	2,167	(42)	2,911	2,859	52
<b>2025-26</b>	5,055	5,022	33	2,162	2,214	(52)	2,893	2,808	85
<b>2026-27</b>	4,975	4,931	44	2,133	2,177	(44)	2,842	2,754	88
<b>2027-28</b>	4,873	4,861	12	2,127	2,192	(65)	2,746	2,669	77
<b>2028-29</b>	4,845	4,816	29	2,117	2,159	(42)	2,728	2,657	71
<b>2029-30</b>	4,756	4,729	27	2,085	2,108	(23)	2,671	2,621	50
<b>2030-31</b>	4,735	4,722	13	2,106	2,122	(16)	2,629	2,600	29
<b>2031-32</b>	4,862	4,756	106	2,168	2,128	40	2,694	2,628	66
<b>2032-33</b>	4,966	n/a	n/a	2,205	n/a	n/a	2,761	n/a	n/a

#### *Glenbrook South High School*

Dr. McKibben was first hired to assist in the forecasting and planning related to the expected growth at GBS as a result of the Glen development. The Glen was constructed on an old naval air station and was completed in 2003 with 1,883 units, which include 567 single-family homes and 611 multifamily units. The majority of families moving into the homes at that time had small toddlers. Given this, Dr. McKibben's enrollment forecast showed growing enrollment for a six-year period (2014-15 through 2020-21) which is the period when the students residing in The Glen became high school age. Dr. McKibben projected 2020-21 to be the peak enrollment year, after which his projection showed enrollment gradually declining back to 2013-14 numbers. Dr. McKibben's projections proved remarkably accurate, as 2020-21 was our peak year with 3,144 students at GBS.

#### *Glenbrook North High School*

Glenbrook North's projection shows increasing enrollment over the next 3 years and then gradually declining with a small spike in 2031-32.

#### **Cohort Survival Projection.**

The cohort survival method is strictly formula-driven and calculates ratios of students as they progress from one grade to the next. The ratios are then used to project future enrollment.

**Table 2**  
**Cohort Survival Projection**

	District			Glenbrook North			Glenbrook South		
	10/2022	10/2021	O/(U)	10/2022	10/2021	O/(U)	10/2022	10/2021	O/(U)
<b>2022-23</b>	5,092 actual	5,094 estimate	(2)	2,062 actual	2,080 estimate	(18)	3,030 actual	3,014 estimate	16
<b>2023-24</b>	5,048	5,036	12	2,061	2,093	(32)	2,987	2,943	44
<b>2024-25</b>	5,015	5,008	7	2,107	2,171	(64)	2,908	2,837	71
<b>2025-26</b>	5,024	n/a	n/a	2,130	n/a	n/a	2,894	n/a	n/a

Table 2 compares the recent projection using October 1, 2022, enrollment counts with the projection calculated a year ago using October 1, 2021 enrollment counts. Overall, the Glenbrook North projection grows by 3.3% over the next three years, while Glenbrook South declines by 4.5%.

**Comparison of Enrollment Methodologies**

Table 3 compares the results of the two methodologies for calculating enrollment projections. When considering the district enrollment, the two methods are within 0.5% of each other over the next three years.

**Table 3**  
**Comparison of Enrollment Methodologies**

	District			Glenbrook North			Glenbrook South		
	Pop. Forecast	Cohort Survival	O/(U)	Pop. Forecast	Cohort Survival	O/(U)	Pop. Forecast	Cohort Survival	O/(U)
<b>2023-24</b>	5,061	5,048	13	2,068	2,061	7	2,993	2,987	6
<b>2024-25</b>	5,036	5,015	21	2,125	2,107	18	2,911	2,908	3
<b>2025-26</b>	5,055	5,024	31	2,162	2,130	32	2,893	2,894	(1)