

# SOUTH WASHINGTON COUNTY PUBLIC SCHOOLS ISD#833

ENROLLMENT PROJECTIONS

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# PROJECTION ENVIRONMENT

- Low fertility
  - Number of births decreasing in U.S. and Minnesota
    - Consensus among demographers that Pandemic will result in fewer births
      - 2020 U.S. births lowest since 1979 but births up 1% in 2021
  - Fertility varies by race/ethnicity
- Less mobility
  - U.S. fewer than 10 percent (8.4 percent) moved last year
    - Was 20 per cent per year since WWII
- Population aging
  - Different new housing mix
  - Smaller percentage of households have children
- Immigration from abroad slowed

# PROJECTION ENVIRONMENT

- Minnesota population back to pattern of net out migration
- Competition for students increasing

# COVID-19 AFFECTS

- Minnesota public school enrollment in 2020-21
  - Kindergarten classes smaller as students attended no school or were homeschooled or attended nonpublic schools
  - Other elementary grades also lost students to home schools or nonpublic schools
  - Middle school and high school enrollment less affected

# COVID-19 AFFECTS

- South Washington County Public Schools
  - Pandemic had an affect on 2020-21 enrollment, but minimal. However, some post Pandemic changes
    - Kindergarten was below “expected” size in 2020-21
    - Enrollment declined (218 students). Net in migration reduced to 97 students
    - Students shifted to other education options
      - Home school increased
      - Nonpublic enrollment and charter school enrollment increased in 2021-22 and again in 2022-23

# ENROLLMENT HISTORY

- From 2012-13 to 2022-23
  - Enrollment (excluding Early Childhood) increased by 1,316 students or 7.6%
  - Resident enrollment (excluding Early Childhood) increased by 1,322 students or 7.9%
  - Nonresidents make up 2.6% of enrollment in 2022-23
    - Excluding tuition agreement students, the South Washington County Public Schools had a net loss of 1,646 students to other public options in 2022-23
  - Market share is 82.3 %, which is a high percentage for a Twin Cities Metro Area school district
    - Competition for students increased since the Pandemic

# EDUCATION CHOICES

2021-22

	Minnesota	South Washington County
Nonpublic settings	10.1%	8.0%
Traditional schools	7.2%	5.9%
Home schools	2.9%	2.0%
Public Options		
Open enrollment	9.0%	
In		1.8%
Out		2.6%
Charter schools	6.9%	6.3%
Capture Rate	74.0%	82.8%

# ENROLLMENT

Year	Total	Resident	Nonresident
2012-13	17,290	16,826	464
2013-14	17,371	16,901	460
2014-15	17,385	16,901	484
2015-16	17,459	16,982	477
2016-17	18,225	17,538	687
2017-18	18,370	17,867	503
2018-19	18,362	17,910	452
2019-20	18,598	18,198	400
2020-21	18,380	18,004	376
2021-22	18,411	18,061	350
2022-23	18,606	18,148	458

Excludes Early Childhood. Includes ALC and Next



# COMPONENTS OF ENROLLMENT CHANGE

Fall to Fall	Total		Natural Increase/Decrease	Net Migration
	#	%		
2012 to 2013	81	0.5%	-282	363
2013 to 2014	14	0.1%	-313	327
2014 to 2015	74	0.4%	-286	360
2015 to 2016	<b>766</b>	4.4%	-184	<b>950</b>
2016 to 2017	145	0.8%	-127	272
2017 to 2018	-8	0.0%	-165	157
2018 to 2019	236	1.3%	-135	371
2019 to 2020	-218	-1.2%	-315	97
2020 to 2021	31	0.2%	-305	336
2021 to 2022	195	1.1%	-289	484
Total	1,316		-2,401	3,717

Excludes Early Childhood. Includes ALC and Next

# ENROLLMENT

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	1,153	1,161	1,200	1,197	1,314	1,345	1,309	1,377	1,223	1,303	1,330
1	1,312	1,215	1,242	1,223	1,349	1,336	1,346	1,361	1,368	1,301	1,354
2	1,287	1,318	1,278	1,272	1,387	1,353	1,360	1,356	1,334	1,370	1,351
3	1,311	1,321	1,343	1,322	1,437	1,398	1,382	1,395	1,332	1,355	1,428
4	1,334	1,330	1,335	1,386	1,436	1,464	1,398	1,426	1,399	1,394	1,421
5	1,295	1,362	1,329	1,346	1,511	1,430	1,461	1,421	1,427	1,386	1,442
6	1,332	1,316	1,384	1,324	1,379	1,484	1,394	1,423	1,339	1,397	1,354
7	1,309	1,372	1,313	1,387	1,338	1,415	1,457	1,421	1,433	1,365	1,406
8	1,319	1,301	1,371	1,333	1,405	1,385	1,418	1,460	1,434	1,440	1,400
9	1,395	1,389	1,350	1,416	1,414	1,462	1,435	1,473	1,531	1,496	1,497
10	1,391	1,381	1,369	1,373	1,420	1,420	1,475	1,464	1,462	1,518	1,509
11	1,409	1,392	1,388	1,382	1,363	1,404	1,415	1,483	1,490	1,467	1,518
12	1,443	1,513	1,483	1,498	1,472	1,474	1,512	1,538	1,608	1,619	1,596
Total	17,290	17,371	17,385	17,459	18,225	18,370	18,362	18,598	18,380	18,411	18,606

Excludes Early Childhood. Includes ALC and Next

# PROJECTIONS

- Assumptions underlying these projections
  - The decline in resident births in Minnesota and Washington County will result in smaller kindergartens in the next several years
  - Washington County's share of Minnesota resident births will increase in the next five years
  - South Washington County Schools' share of Washington County resident births will increase in the next five years
  - Excluding the Pandemic year, survival rates (net migration) of the past four years adequately reflect projected housing unit increases

# RESIDENT BIRTHS

Years	Minnesota	Washington County
2006	73,515	2,960
<b>2007</b>	<b>73,675</b>	2,943
2008	72,382	2,891
2009	70,617	2,781
2010	68,407	2,868
2011	68,416	2,818
2012	68,783	2,793
2013	69,183	2,857
2014	69,916	2,888
2015	69,835	2,800
2016	69,746	2,867
2017	68,603	2,725
2018	67,348	2,732
2019	66,033	2,701
2020	63,451	2,668

# PROJECTED MINNESOTA 0-YEAR OLDS

Year	Projected Number	Adjusted Number
<b>2017 Actual</b>	<b>68,603</b>	
2017	70,312	
<b>2018 Actual</b>	<b>67,348</b>	
2018	70,395	
<b>2019 Actual</b>	<b>66,033</b>	
2019	70,373	
<b>2020 Actual</b>	<b>63,451</b>	
2020	70,325	65,965
2021	70,274	65,917
2022	70,227	65,873
2023	70,191	65,814
2024	70,164	65,811
2025	70,161	65,811

Adjusted number is 93.8 percent of projected number

# KINDERGARTEN AS A PERCENTAGE OF WASHINGTON COUNTY KINDERGARTEN POOL

Birth Years	Pool	Percentage	Kindergarten Year
2006; 2007	2,949	39.10%	2012-13
2007; 2008	2,908	39.92%	2013-14
2008; 2009	2,817	42.60%	2014-15
2009; 2010	2,840	42.15%	2015-16
2010; 2011	2,834	46.37%	2016-17
2011; 2012	2,801	48.02%	2017-18
2012; 2013	2,836	46.16%	2018-19
2013; 2014	2,878	47.85%	2019-20
2014; 2015	2,829	43.23%	2020-21
2015; 2016	2,845	45.80%	2021-22
2016; 2017	2,772	47.98%	2022-23
2017; 2018	2,729		2023-24
2018; 2019	2,712		2024-25
2019; 2020	2,679		2025-26

# KINDERGARTEN/BIRTH RATIOS

- Kindergarten assumptions
  - Kindergarten/birth ratios
    - Low is 47.5% (average of the three years prior to the Pandemic plus the past year)
    - High is 48.5% (assume share will increase)
  - Longer-term—2026-27 through 2032-33
    - In past 14 years, Washington County resident births increased from 4.03% to 4.20% of Minnesota resident births. Assumed Washington County's share would increase 2.19 percent (average of past five years) in the next five years

# KINDERGARTEN PROJECTIONS

Year	@47.5%	@48.5%
2022-23	1,330	1,330
2023-24	1,296	1,324
2024-25	1,288	1,315
2025-26	1,273	1,299
2026-27	1,275	1,302
2027-28	1,288	1,315
2028-29	1,301	1,328
2029-30	1,312	1,340
2030-31	1,325	1,353
2031-32	1,337	1,365
2032-33	1,350	1,378
Total	13,045	13,319
Past ten years 12,759 Kindergarten students		



# NET MIGRATION

## YEAR TO YEAR

Grade	12 to 13	13 to 12	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22
K to 1	62	81	23	<b>152</b>	22	1	52	-9	78	51
1 to 2	6	63	30	<b>164</b>	4	24	10	-27	2	50
2 to 3	34	25	44	<b>165</b>	11	29	35	-24	21	58
3 to 4	19	14	43	<b>114</b>	27	0	44	4	62	66
4 to 5	28	-1	11	<b>125</b>	-6	-3	23	1	-13	48
5 to 6	21	22	-5	33	<b>-27</b>	<b>-36</b>	<b>-38</b>	<b>-82</b>	<b>-30</b>	<b>-32</b>
6 to 7	40	-3	3	14	36	-27	27	10	26	9
7 to 8	-8	-1	20	18	47	3	3	13	7	35
<b>8 to 9</b>	<b>70</b>	<b>49</b>	<b>45</b>	<b>81</b>	<b>57</b>	<b>50</b>	<b>55</b>	<b>71</b>	<b>62</b>	<b>57</b>
9 to 10	-14	-20	23	4	6	13	29	-11	-13	13
10 to 11	1	7	13	-10	-16	-5	8	26	5	0
11 to 12	104	91	110	90	111	108	123	125	129	129
Total	363	327	360	950	272	157	371	97	336	484

# PROJECTED SURVIVAL RATES

Grade	Low (1 Year Prior + Past 2 Years)	High (1 Year Prior + Past Year)
K to 1	1.039	1.040
1 to 2	1.015	1.023
2 to 3	1.028	1.034
3 to 4	1.043	1.041
4 to 5	1.014	1.025
<b>5 to 6</b>	<b>0.977</b>	<b>0.976</b>
6 to 7	1.015	1.013
7 to 8	1.011	1.014
<b>8 to 9</b>	<b>1.041</b>	<b>1.041</b>
9 to 10	1.007	1.015
10 to 11	1.003	1.003
11 to 12	1.087	1.088

# ENROLLMENT PROJECTIONS

- In ten years (2032-33)
  - Enrollment projected to increase
    - 2022-23 18,606
    - 2032-33
      - 19,274 to 19,938 or 3.6% to 7.2%
  - Kindergarten projected to be smaller than the previous year's Grade 12 (natural decrease). Projected natural decrease larger than in recent past
  - Net in migration projected to continue. Comparable to the recent past (400 to 450 per year)

# ENROLLMENT PROJECTIONS

Year	Low K Low Mig	Low K High Mig	High K Low Mig	High K High Mig
2022-23	18,606	18,606	18,606	18,606
2023-24	18,704	18,732	18,750	18,778
2024-25	18,740	18,797	18,830	18,886
2025-26	18,764	18,848	18,901	18,985
2026-27	18,792	18,905	18,962	19,075
2027-28	18,877	19,021	19,083	19,227
2028-29	18,949	19,123	19,186	19,362
2029-30	19,074	19,279	19,346	19,554
2030-31	19,149	19,366	19,480	19,700
2031-32	19,247	19,516	19,579	19,852
2032-33	19,274	19,577	19,631	19,938

# ENROLLMENT PROJECTIONS

	K-5	6-8	9-12	Total
<b>2022-23</b>	<b>8,326</b>	<b>4,160</b>	<b>6,120</b>	<b>18,606</b>
<b>2027-28</b>				
Low K/Low Mig	8,342	4,431	6,105	18,877
Low K/High Mig	8,485	4,431	6,105	19,021
High K/ Low Mig	8,431	4,493	6,159	19,083
High K/High Mig	8,575	4,493	6,159	19,227
<b>2032-33</b>				
Low K/Low Mig	8,507	4,356	6,412	19,274
Low K/High Mig	8,685	4,447	6,445	19,577
High K/ Low Mig	8,595	4,454	6,582	19,631
High K/High Mig	8,776	4,547	6,616	19,938

Excludes Early Childhood. Includes ALC and Next

# ENROLLMENT PROJECTIONS

What could make these projections

- Too high
  - Projected kindergarten is too high
  - More students chose other education options
  - Projected in migration too high
- Too low
  - Projected kindergarten is too low

# NEW HOUSING

- Relationship between housing and K-12 enrollment is complex
  - **Unit type** affects school age child per unit yield
  - Newer single-family detached units yield more students per unit than older single-family detached units
  - As single-family detached units sell, student yield usually increases in the new units. In older units, yield is likely to decrease
  - Market value of single-family detached units affect yield. Moderately to higher priced units have higher per unit yield
  - Senior units—no students

# YIELD PER UNIT TYPE

- Results of studies in four states—Minnesota, Wisconsin, Illinois, and Colorado
  - **Single family detached K-12 yield varies by school district and by attendance area within school districts**
  - Townhome yield is very consistent across all school districts across states—0.22
  - Apartments yield is very consistent across all school districts across states—0.11 to 0.15
  - Condominiums yield almost no school age children—0.02 to 0.05



# SUMMARY OF NEW HOUSING UNITS

Two 5-Year Periods

	2019 to 2022	2023 to 2026
Single-Family Units	2,915	2,450
Multi-Family Units	747	691
Apartments	1,601	1,225
Total	5,263	4,366

# HOUSING UNIT CHANGE AND SCHOOL ENROLLMENT

	Students
Change in <b>resident</b> enrollment, 2018-19 to 2022-23	<b>238</b>
Natural decrease same years	-1,050
Net in migration same years	1,288
Residents attending elsewhere in 2022-23*	-1,746
5,758 additional housing units 2017-2021; 3,090 S-F	
Estimated students from these units	1,931-2,086**
*The comparable number was 1,269 in 2018-19	
**Based on 0.50 to 0.55 yield for single-family detached units; 0.22 multi-family units and 0.11 for apartment units	

# CHALLENGES PROJECTING ENROLLMENT FROM HOUSING UNITS

- Additional housing units, even those with school age children, do not automatically translate into additional enrollment
  - Methodology
  - Assumptions