# Riverview Gardens School District
## *Demographic Study – Enrollment Forecast*

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Demographic Analytics Advisors

# Outline

1. Background and Goals
2. What we took into consideration
3. Historic enrollment trends
4. Births actual and forecast and our methodology
5. Forecasts

# Background and Goals

# Goals of this process

1.  Develop reasonable enrollment forecasts that take into account:
    a.  Development and migration
    b.  COVID-19 impacts
    c.  Impact of Market Share
    d.  Historical Enrollment Patterns
2.  Measure against capacity of buildings as well as overall district capacity by level

# What is an enrollment forecast… and what it isn't

What is it?

1. A scientific "most likely" scenario based on all inputs.
2. An extremely useful planning tool, if used correctly and questioned.

What isn't it?

1. A magic solution that will tell someone, with complete accuracy, what enrollment will be in 10 years.
2. A random and wild guess at what enrollment will be in 10 years.

# What We Take Into Consideration

# Key Considerations – Forecasts

General:

1. Historical Enrollment Patterns
2. School Capacity and Attendance Zones
3. Demographic processes
   a. Births
   b. Migration
   c. Age, sex, race, Hispanic Origin trends
4. Built environment
   a. Building permits
   b. Known development areas (especially residential) and timing
5. Economics
6. COVID-19

# Methodology

Baseline: Birth and grade progression ratio driven forecast.

Impact 1: Any impacts of new builds and student yield.

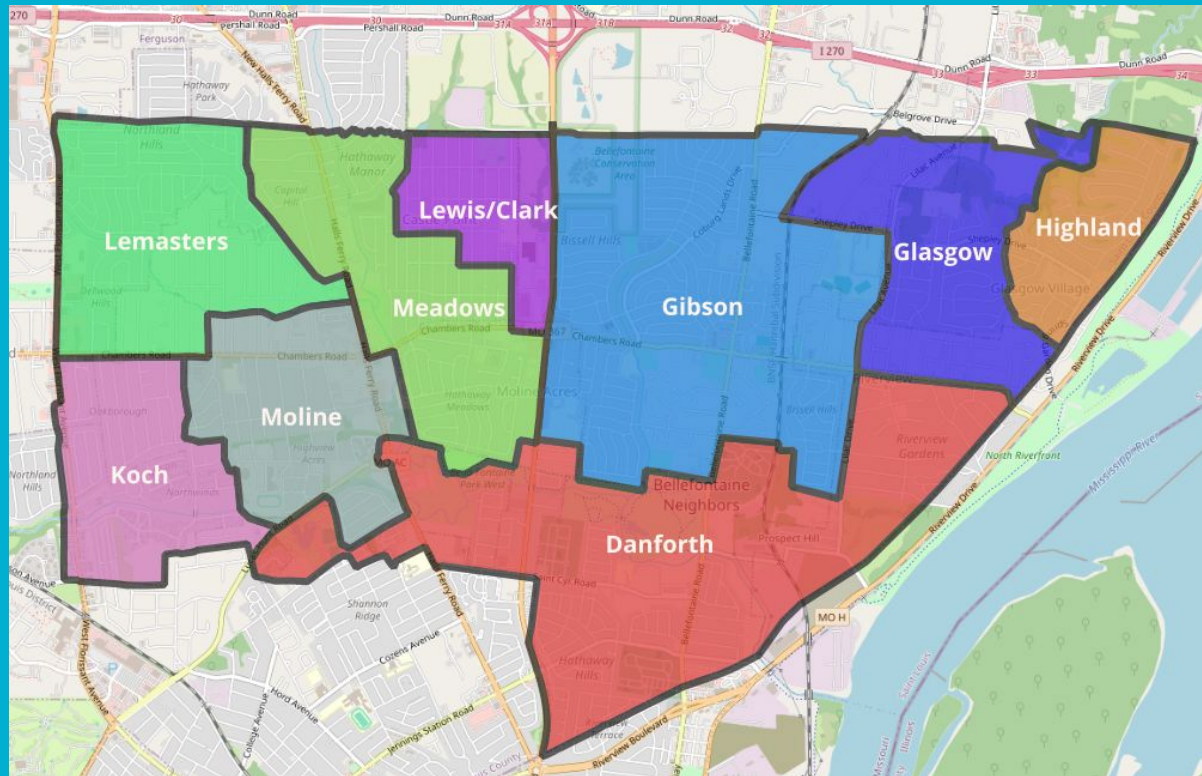Impact 2: Any impacts of change in market share.

Impact 3: Any impacts of COVID-19 anomalies.

# Current School Boundaries

# Elementary Schools

We drew the elementary school boundaries using the address spreadsheet available from RGSD.

We ask the team checks these files to make sure they are correct, and we will provide the shapefiles and pdf maps back to the district.

# Middle Schools

Like the elementary schools, we drew the middle school boundaries using the address spreadsheet available from RGSD.

We ask the team checks these files to make sure they are correct, and we will provide the shapefiles and pdf maps back to the district.
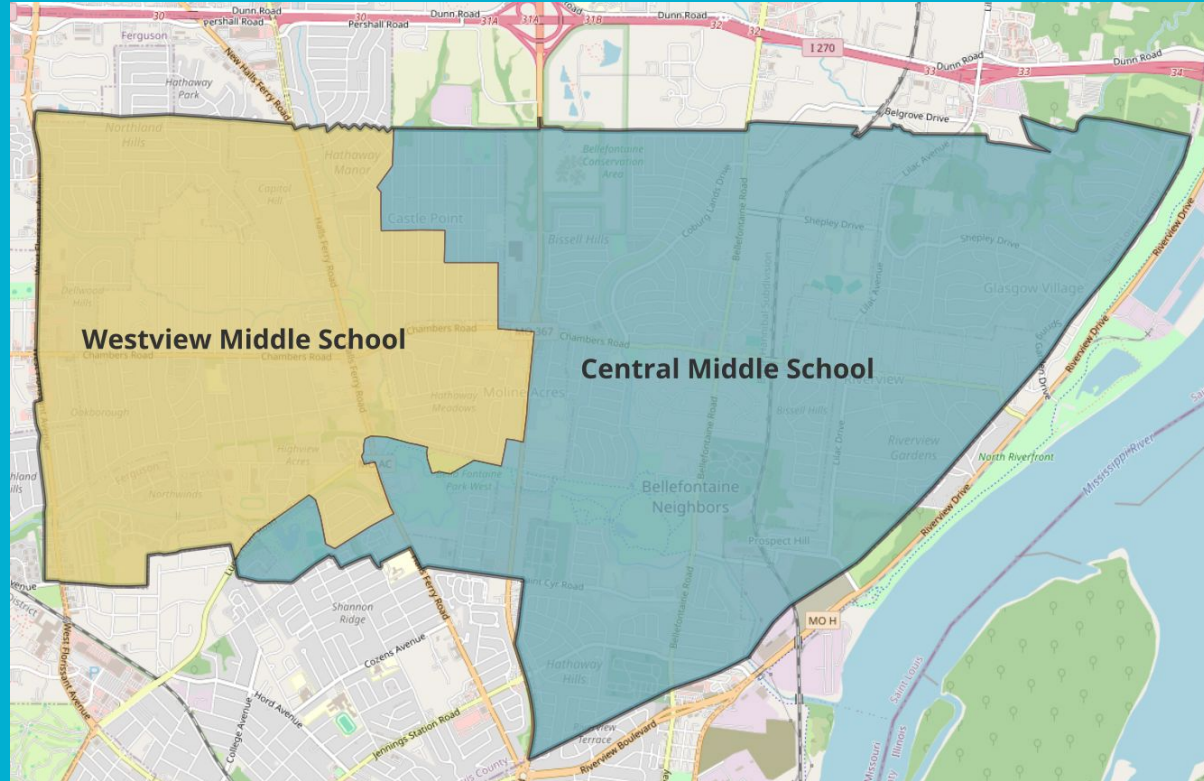
# Current Population Trends

# Population Trends

The US Census Bureau develops school district population estimates (both total population and school aged population) on a yearly basis. The most recent estimate, released in 2023, is for July 1, 2022.

The school aged population in RGSD has been steadily declining since 2014.

*Expectation: Relatively stable and slowly declining school aged population in RGSD.*

**Estimates of the School Aged Population**
*2014 to 2022*
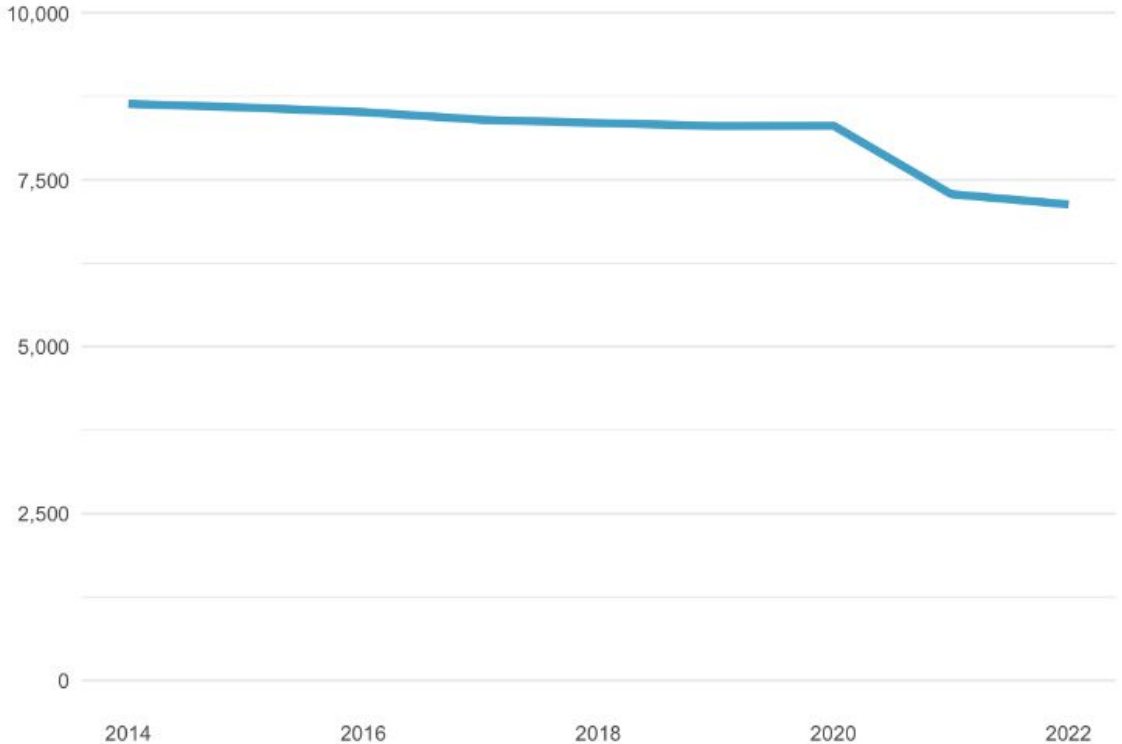


Source: US Census Bureau, Small Area Income and Poverty Estimates, 2014-2022

Births – Actual and Projected Forecast

# Birth to Kindergarten Ratios

The grade progression ratio for Kindergarteners is actually a birth to kindergarten ratio. Specifically, it is the proportion of births 5 years ago who become Kindergarteners in the current year. A value above one means more kids are attending Kindergarten than were born in the district (in-migration), below one is the opposite (out-migration).

**Key finding: RGSD has generally seen a declining Birth-to-Kindergarten ratio over the past 15 years. We forecast this ratio to stay relatively stable.**

**Riverview Gardens School District: Births to Kindergarten Ratio Projections**
*2010 through 2035; projections begin 2025*
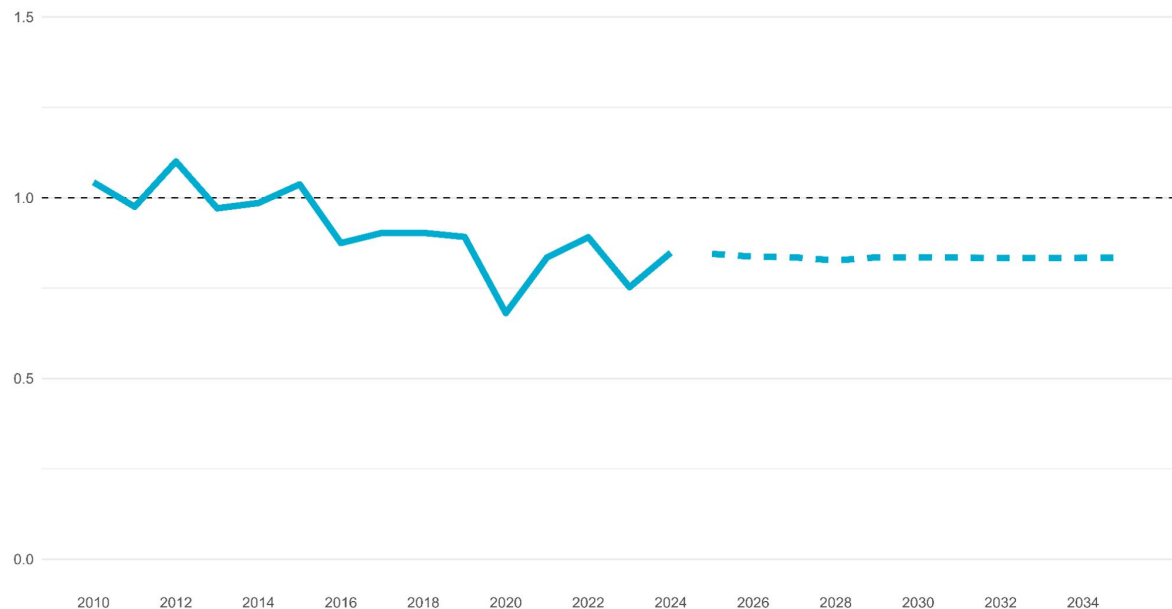


*Data from: Demographic Analytics Advisors; Missouri DHSS; Riverview Gardens School District;*

# Births

Births have been declining in the district, as well as in the county overall, since at least the early 1990's.

We did see some increases going into the years before the 2008 housing crisis, and just before the turn of the millennium. However, the trend has been downward.

The COVID-19 era lead to a decrease in births with no recovery.

**Expectation: Births should continue to slowly decrease throughout the forecast period.**

**Riverview Gardens School District: Births Projections**
*1990 through 2035; projections start 2024*
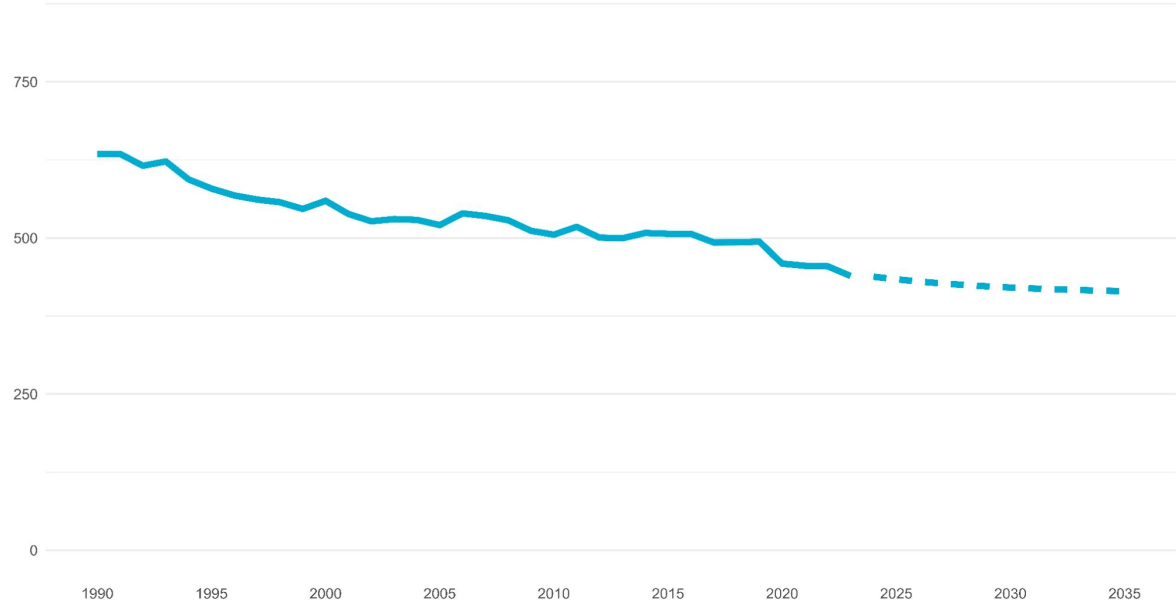
*Data from: Demographic Analytics Advisors; Missouri DHSS; U.S. Census Bureau*

# Riverview Gardens School District 01 Historical Enrollment 2014-15 through 2024-25

| Academic Year | PK | K | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | K12 Total | YoY Percentage Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Grade Levels | | | | | | | | | | Summary | |
| 2014-15 | 137 | 504 | 526 | 512 | 463 | 453 | 440 | 383 | 414 | 382 | 349 | 238 | 243 | 236 | 5,143 | 5.6% |
| 2015-16 | 181 | 524 | 556 | 529 | 502 | 474 | 406 | 426 | 398 | 394 | 361 | 319 | 234 | 223 | 5,346 | 3.9% |
| 2016-17 | 250 | 453 | 516 | 541 | 502 | 447 | 439 | 399 | 391 | 383 | 328 | 322 | 273 | 219 | 5,213 | −2.5% |
| 2017-18 | 201 | 452 | 472 | 490 | 534 | 507 | 478 | 416 | 409 | 381 | 356 | 299 | 301 | 261 | 5,356 | 2.7% |
| 2018-19 | 214 | 451 | 459 | 458 | 494 | 522 | 499 | 448 | 414 | 392 | 326 | 311 | 267 | 267 | 5,308 | −0.9% |
| 2019-20 | 227 | 453 | 506 | 485 | 453 | 483 | 489 | 486 | 454 | 446 | 338 | 302 | 286 | 233 | 5,414 | 2.0% |
| 2020-21 | 155 | 345 | 430 | 475 | 432 | 412 | 451 | 412 | 436 | 410 | 356 | 304 | 243 | 272 | 4,978 | −8.1% |
| 2021-22 | 183 | 423 | 401 | 446 | 454 | 428 | 399 | 423 | 424 | 456 | 397 | 364 | 273 | 269 | 5,157 | 3.6% |
| 2022-23 | 202 | 439 | 436 | 410 | 459 | 448 | 423 | 395 | 393 | 404 | 385 | 350 | 334 | 270 | 5,146 | −0.2% |
| 2023-24 | 214 | 371 | 437 | 418 | 414 | 425 | 411 | 413 | 371 | 371 | 362 | 341 | 299 | 309 | 4,942 | −4.0% |
| 2024-25 | 273 | 419 | 410 | 450 | 422 | 419 | 412 | 408 | 388 | 339 | 331 | 353 | 312 | 320 | 4,983 | 0.8% |

Source: Missouri DESE; Riverview Gardens School District;

*N    SY2024-25 data are not as of the October Census date, these data could come in lower when the data from the Census date are finalized.*
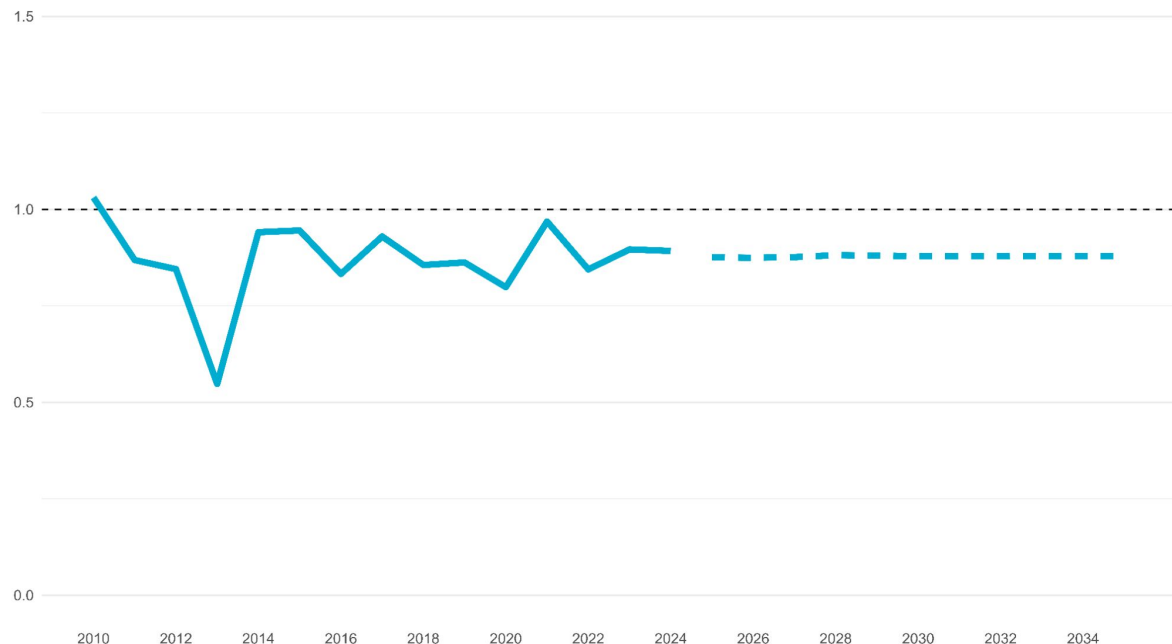
# Grade Progression Ratios

# Grade Progression Ratios

Grade progression ratios are the staple of K-12 enrollment forecasts. They allow us to understand historical patterns in who stays in or leaves a school district as they progress through grades. They are calculated as the number of students in a grade this year, divided by the number of students in the prior grade last year.

**Key Finding: Riverview Gardens GPRs are generally near or just under 1 for 1st-8th grade. For high school grades they are generally just under 1.**

**Riverview Gardens School District Grade Progression Ratio Projections: Grade 9**
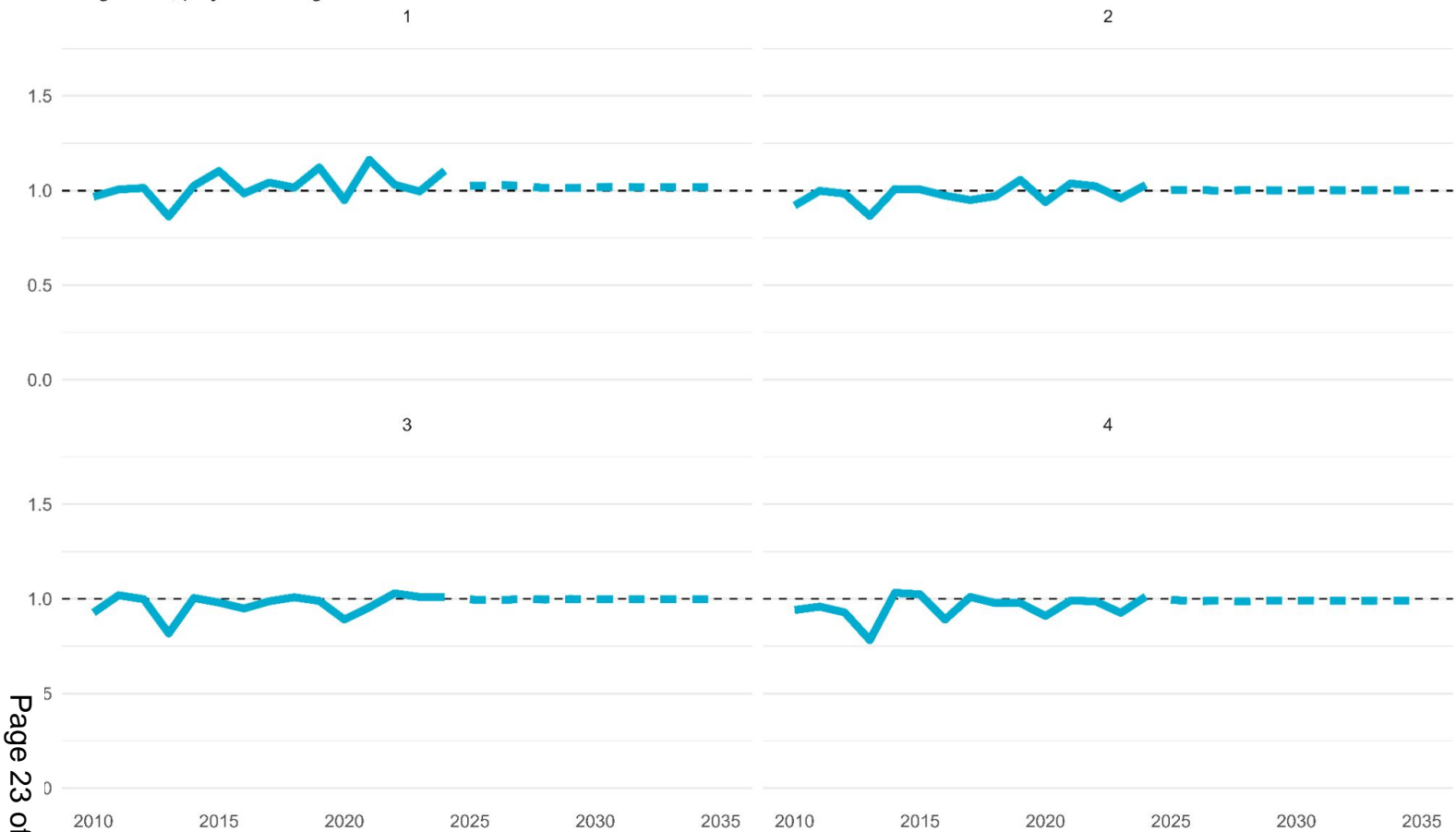*2010 through 2035; projections begin 2025*



Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District

**Riverview Gardens School District Grade Progression Ratio Projections: Grades 1 - 4**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District*

Riverview Gardens School District Grade Progression Ratio Projections: Grades 5 - 8
2010 through 2035; projections begin 2025

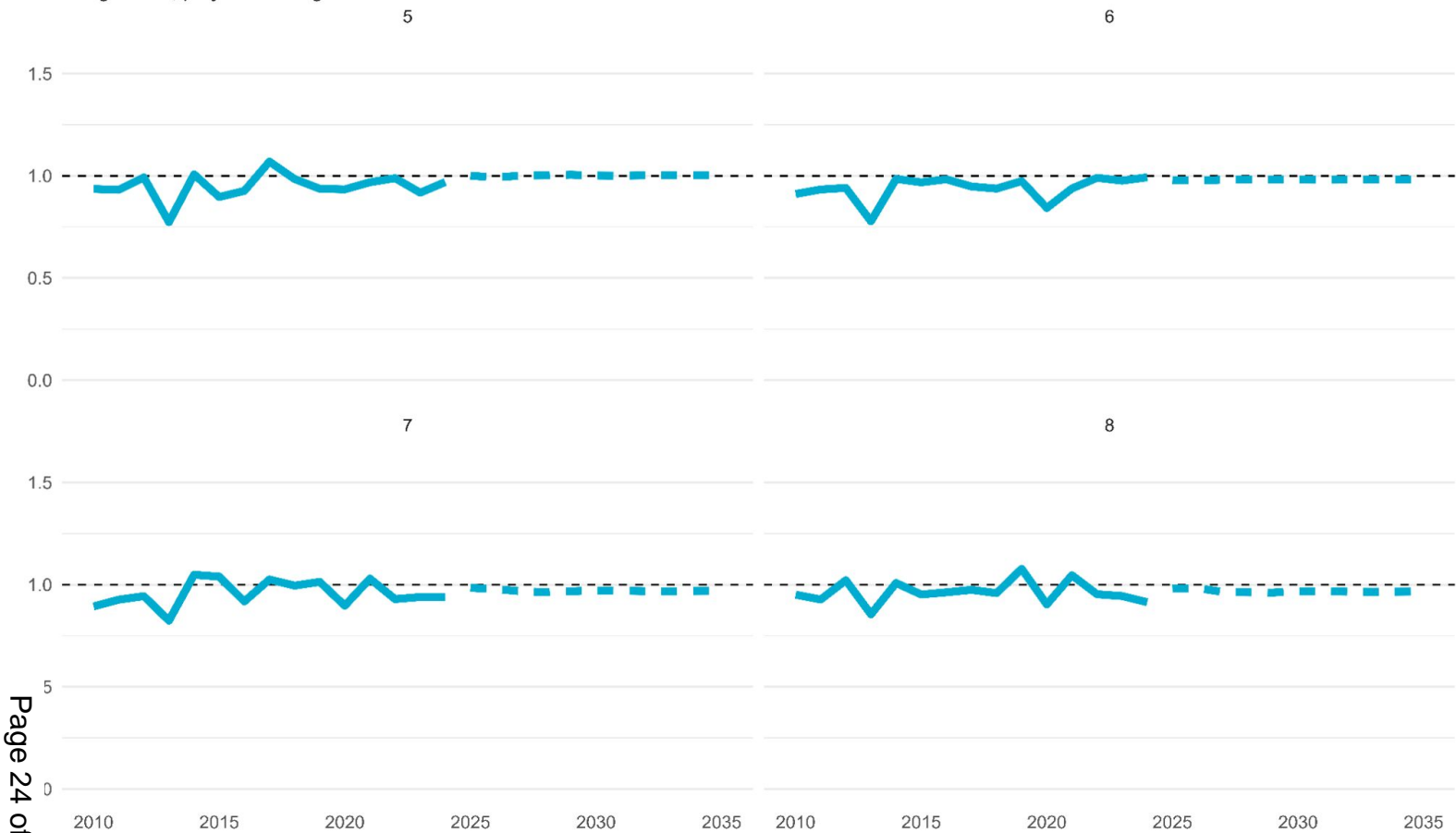from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District

**Riverview Gardens School District Grade Progression Ratio Projections: Grades 9 - 12**
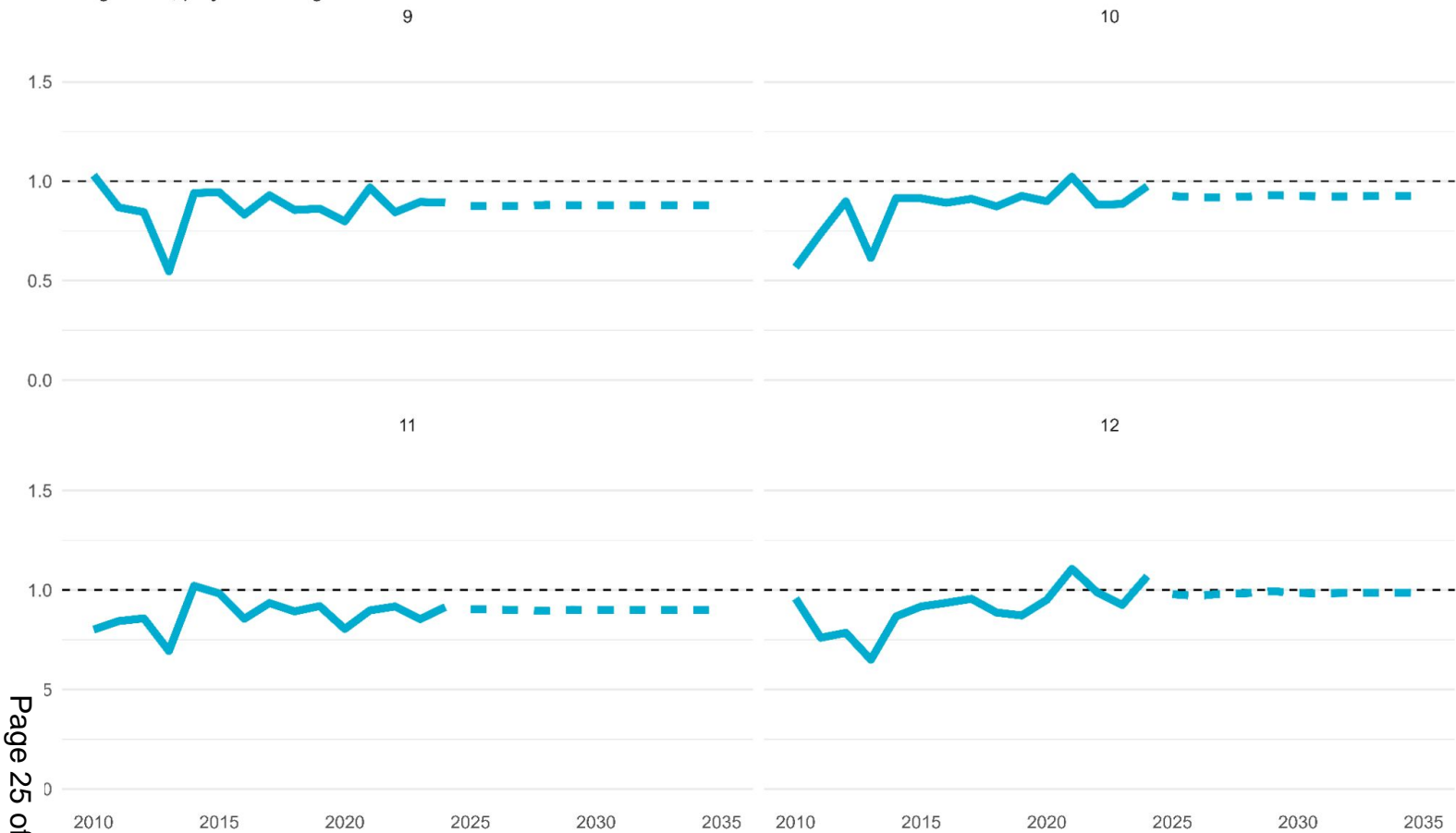*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District*

# District Wide Forecast

# Final Forecast

The trend of district enrollment for RGSD has generally been down over the past 15 years. That being said, some years see larger decreases, with some increases in following years.

**Expectation: Enrollment will continue to decrease over the next decade, finishing the forecast period below 4,500 students (not including PK).**

**Riverview Gardens School District K12 Enrollment Projections**
*2010 through 2035; projections begin 2025*
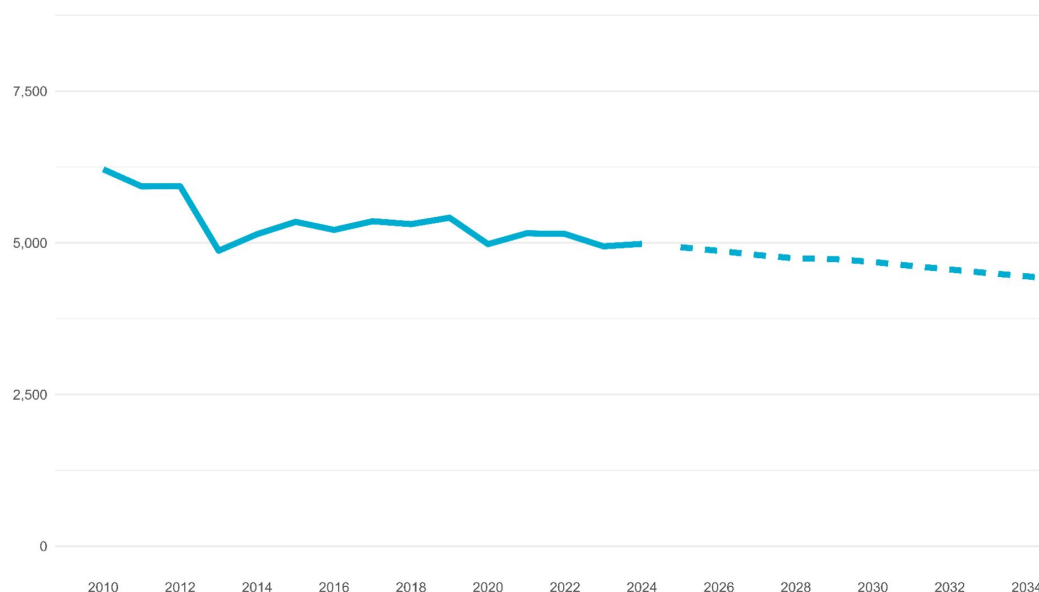


*Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District*

## Riverview Gardens School District 01 Historical & Projected Enrollment 2024-25 through 2034-35

| Academic Year | PK | K | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | K12 Total | YoY Percentage Change |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Grade Levels** | | | | | | | | | | **Summary** | |
| 2024-25 | 273 | 419 | 410 | 450 | 422 | 419 | 412 | 408 | 388 | 339 | 331 | 353 | 312 | 320 | 4,983 | 0.8% |
| 2025-26 | 280 | 388 | 429 | 411 | 449 | 420 | 419 | 403 | 402 | 381 | 297 | 306 | 319 | 306 | 4,928 | −1.1% |
| 2026-27 | 277 | 381 | 399 | 431 | 407 | 443 | 416 | 409 | 395 | 395 | 333 | 273 | 276 | 309 | 4,867 | −1.2% |
| 2027-28 | 270 | 380 | 391 | 398 | 430 | 403 | 443 | 408 | 396 | 381 | 346 | 306 | 246 | 272 | 4,799 | −1.4% |
| 2028-29 | 265 | 363 | 385 | 392 | 396 | 424 | 404 | 435 | 393 | 381 | 335 | 319 | 274 | 242 | 4,743 | −1.2% |
| 2029-30 | 265 | 366 | 368 | 385 | 392 | 393 | 426 | 396 | 421 | 378 | 335 | 312 | 288 | 272 | 4,731 | −0.2% |
| 2030-31 | 263 | 362 | 373 | 368 | 384 | 388 | 393 | 418 | 385 | 408 | 332 | 310 | 281 | 284 | 4,685 | −1.0% |
| 2031-32 | 261 | 359 | 370 | 373 | 367 | 380 | 388 | 385 | 405 | 373 | 358 | 307 | 279 | 276 | 4,619 | −1.4% |
| 2032-33 | 260 | 356 | 366 | 370 | 372 | 363 | 380 | 381 | 373 | 391 | 327 | 331 | 276 | 275 | 4,561 | −1.3% |
| 2033-34 | 258 | 354 | 362 | 366 | 369 | 368 | 363 | 373 | 369 | 360 | 344 | 303 | 298 | 272 | 4,500 | −1.3% |
| 2034-35 | 257 | 352 | 360 | 362 | 365 | 365 | 369 | 357 | 361 | 356 | 316 | 318 | 273 | 294 | 4,448 | −1.2% |
| 2035-36 | 256 | 351 | 359 | 360 | 362 | 361 | 366 | 362 | 346 | 349 | 313 | 293 | 287 | 269 | 4,375 | −1.6% |

Source: Missouri DESE; Riverview Gardens School District;

# District Forecast Charts by Grade

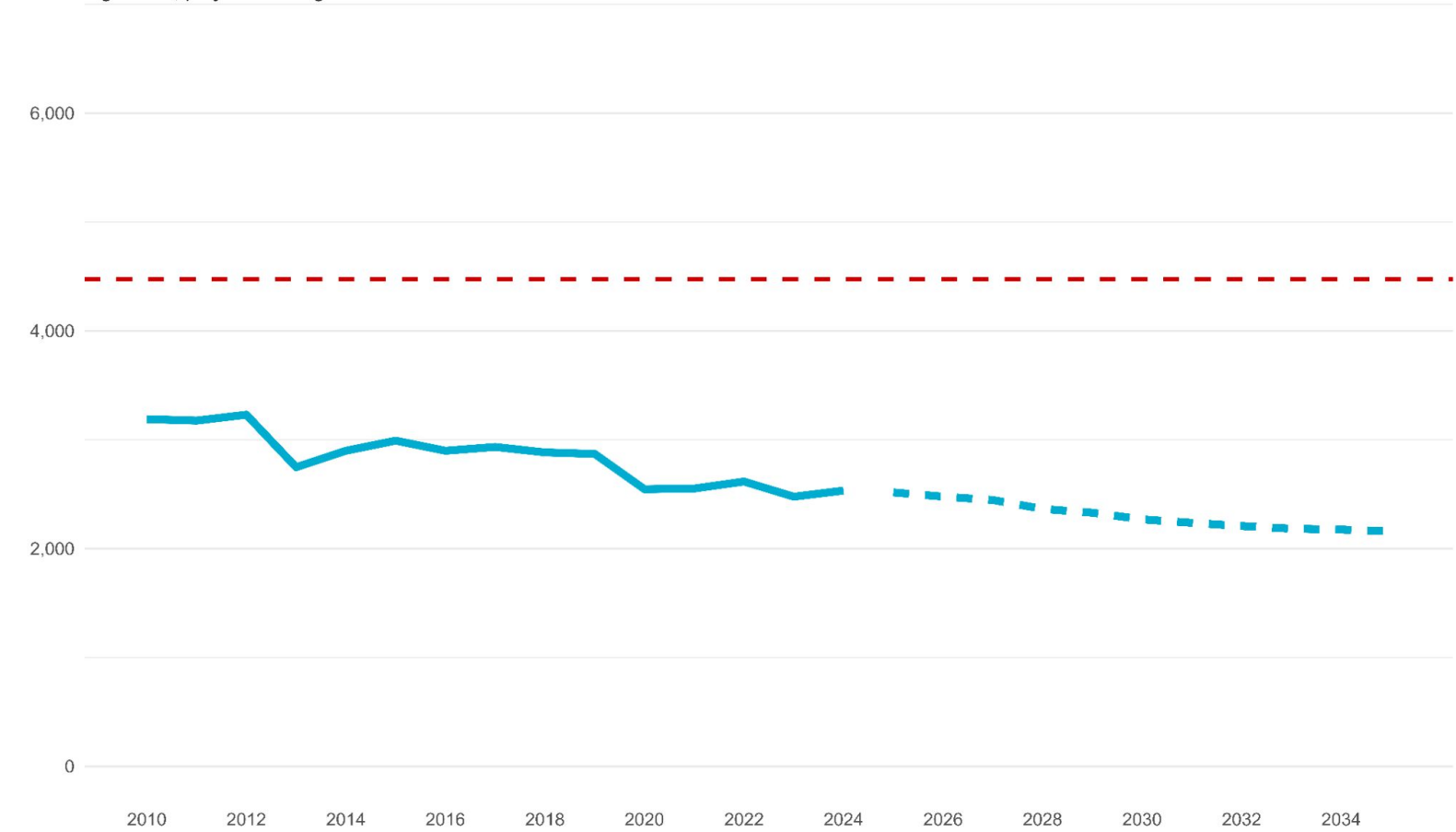# Riverview Gardens School District: Pre-School Enrollment Projections
*2010 through 2035; projections begin 2025*
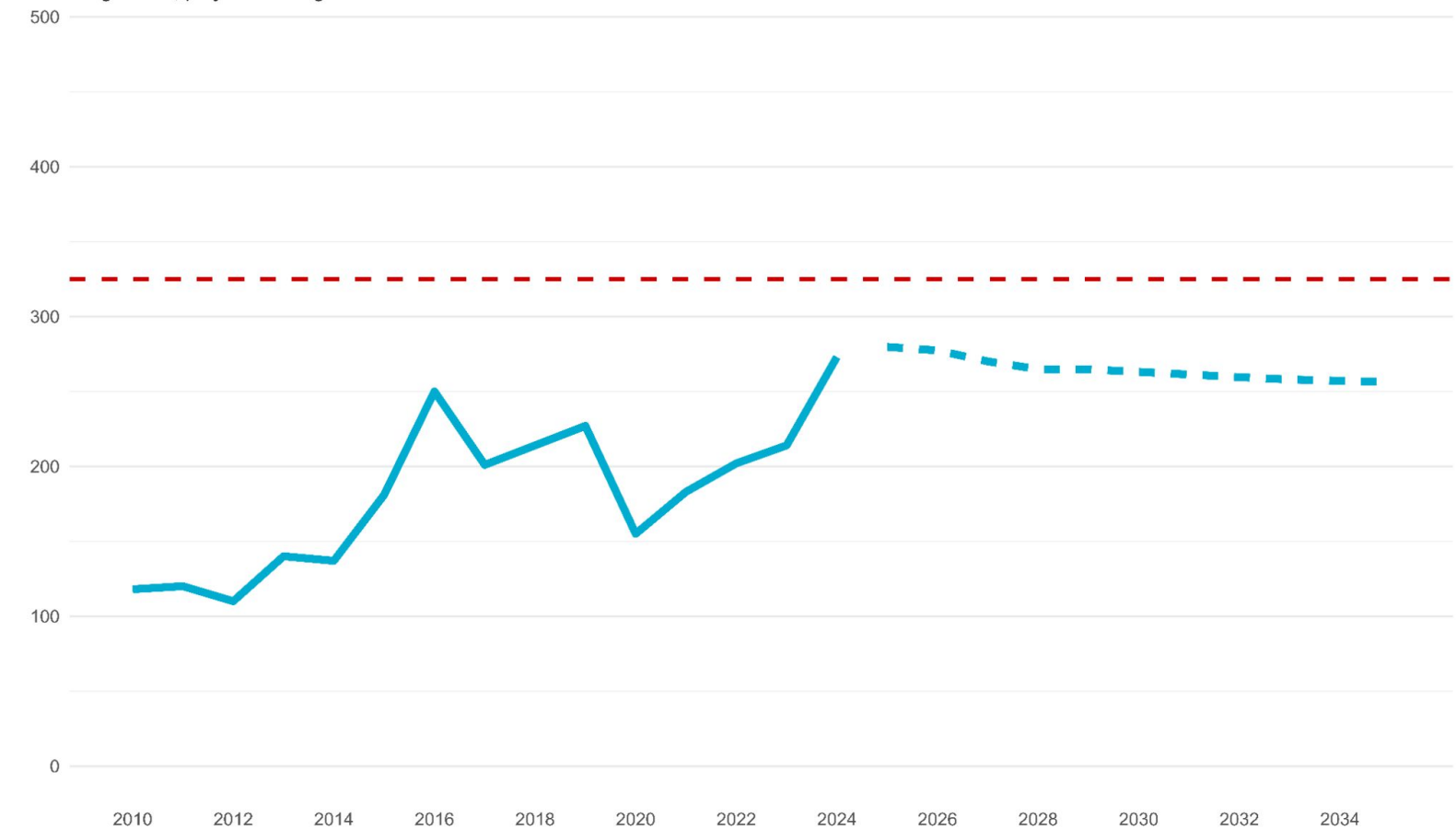


*Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*

**Riverview Gardens School District: Elementary Enrollment K through 5th Grade Projections**
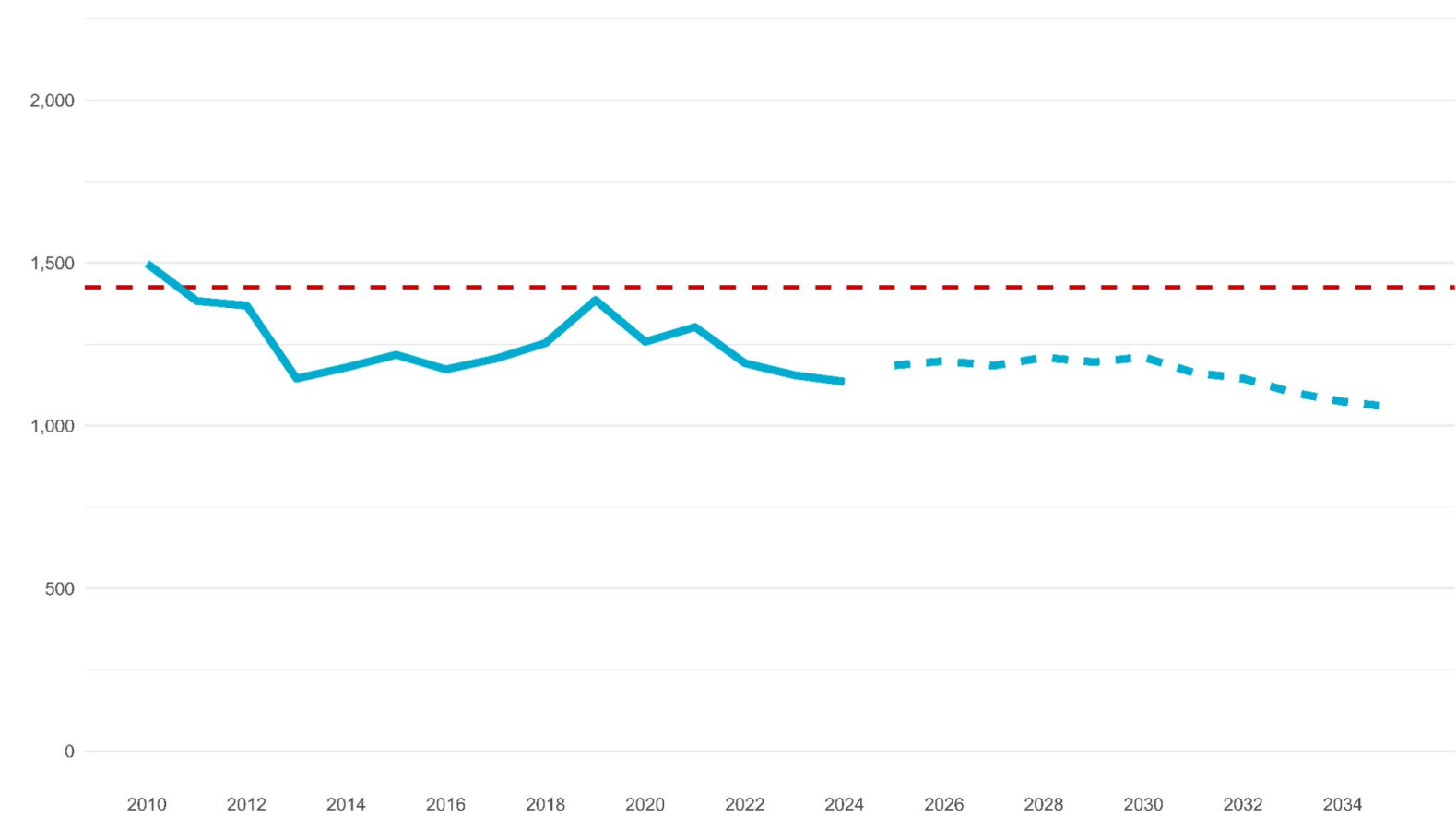*2010 through 2035; projections begin 2025*



*Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*

**Riverview Gardens School District: Middle School Enrollment 6th through 8th Grade Projections**
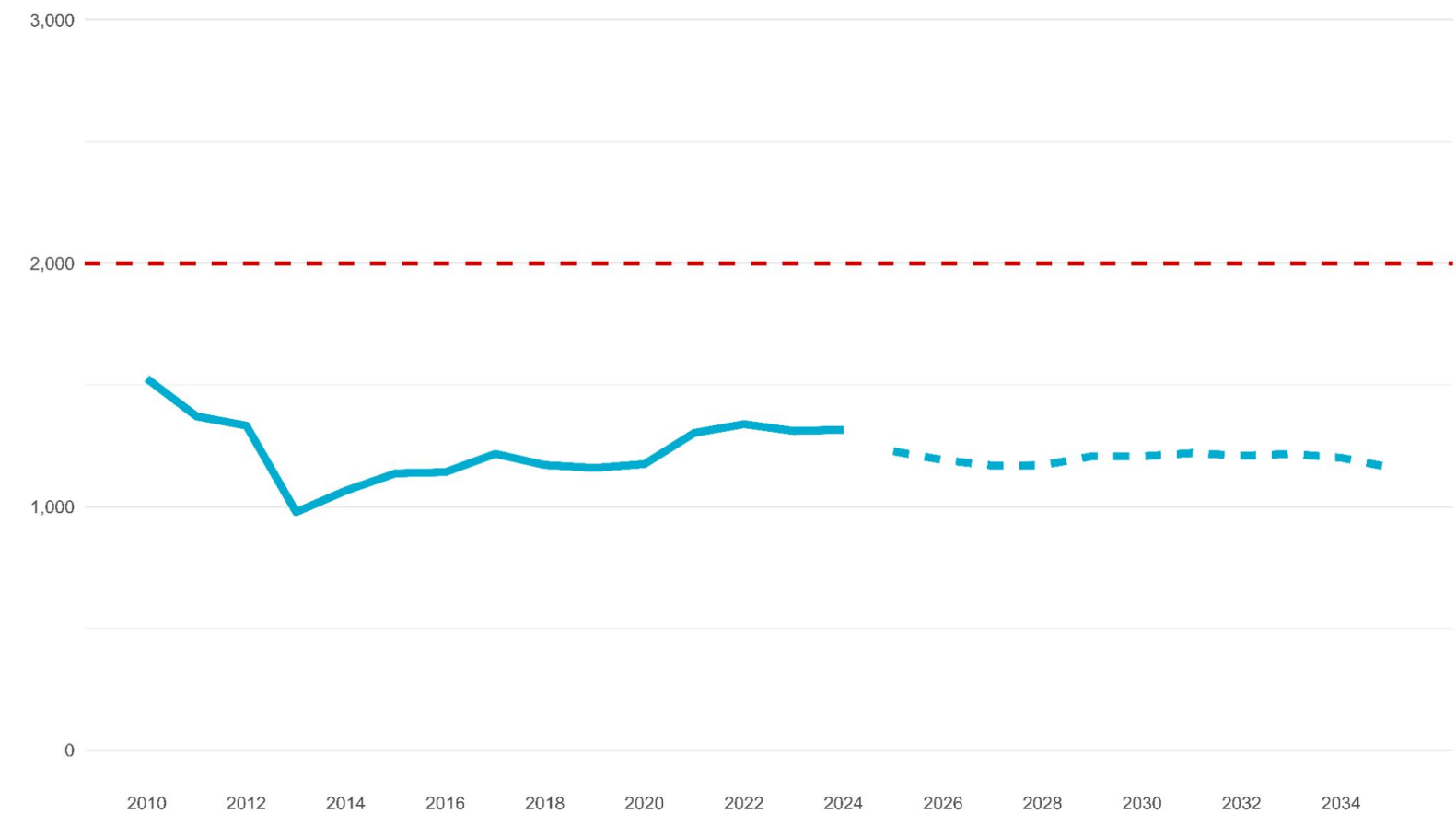*2010 through 2035; projections begin 2025*



*Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*

**Riverview Gardens School District: High School Enrollment 9th through 12th Grade Projections**
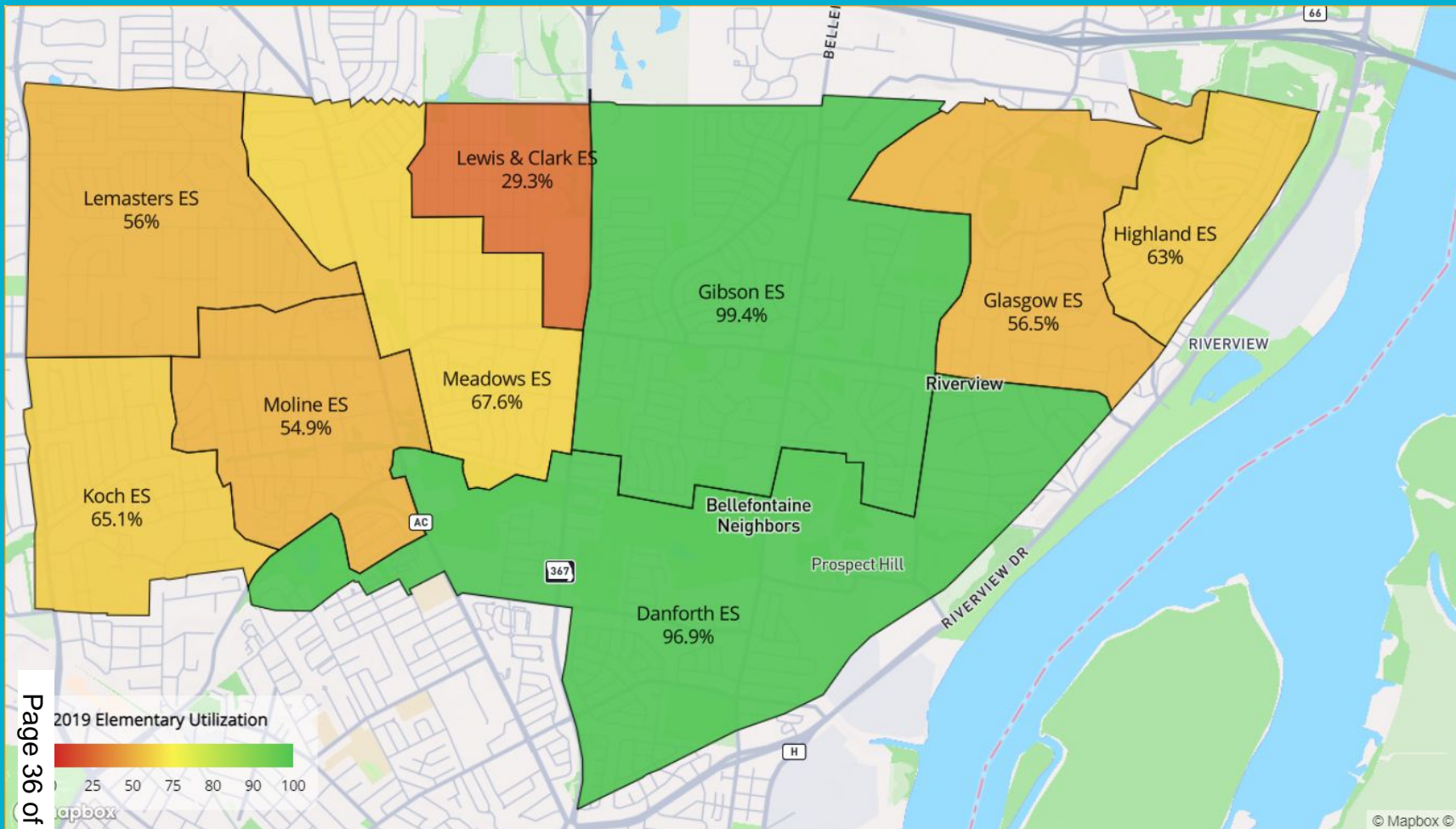*2010 through 2035; projections begin 2025*



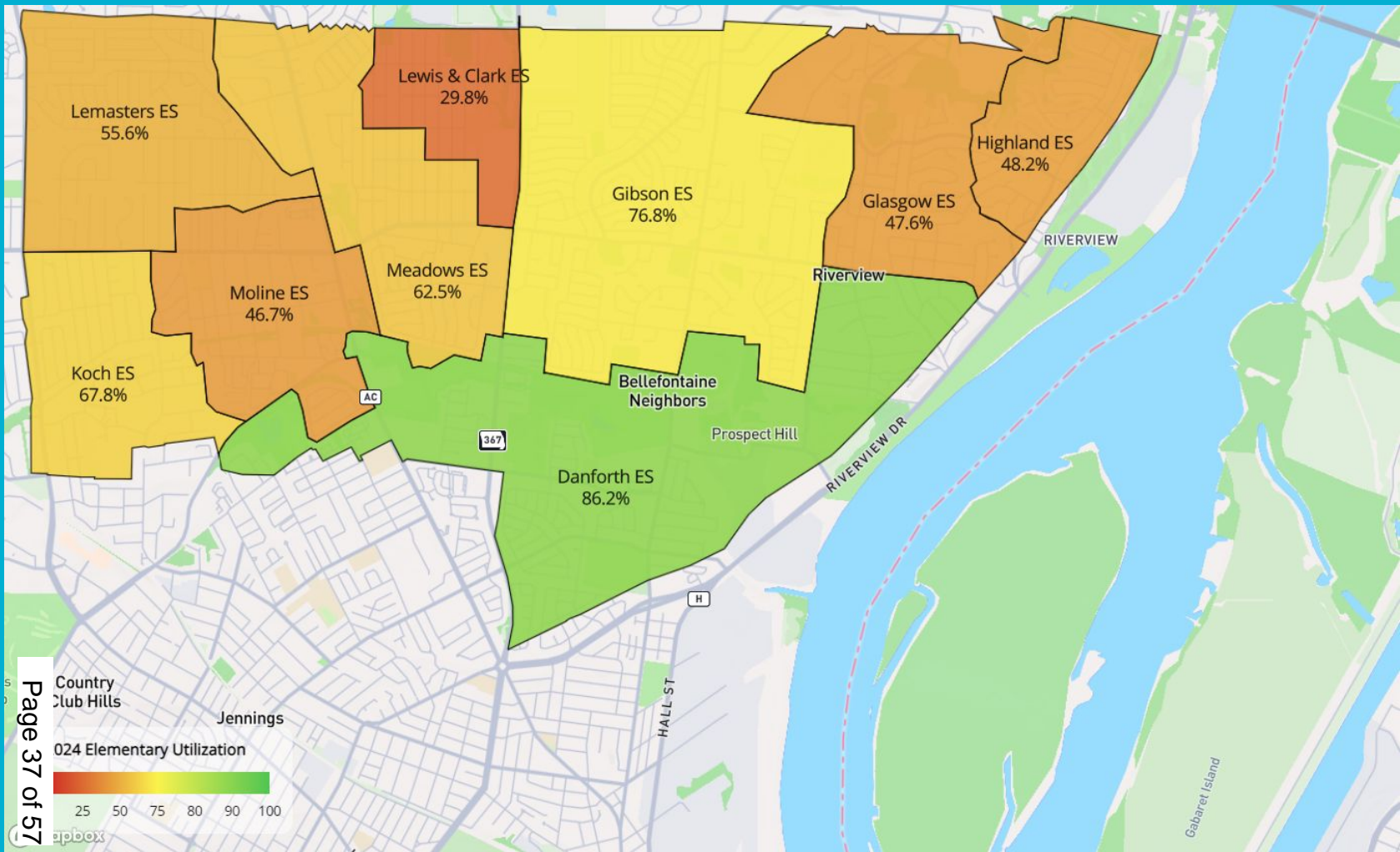*Data from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
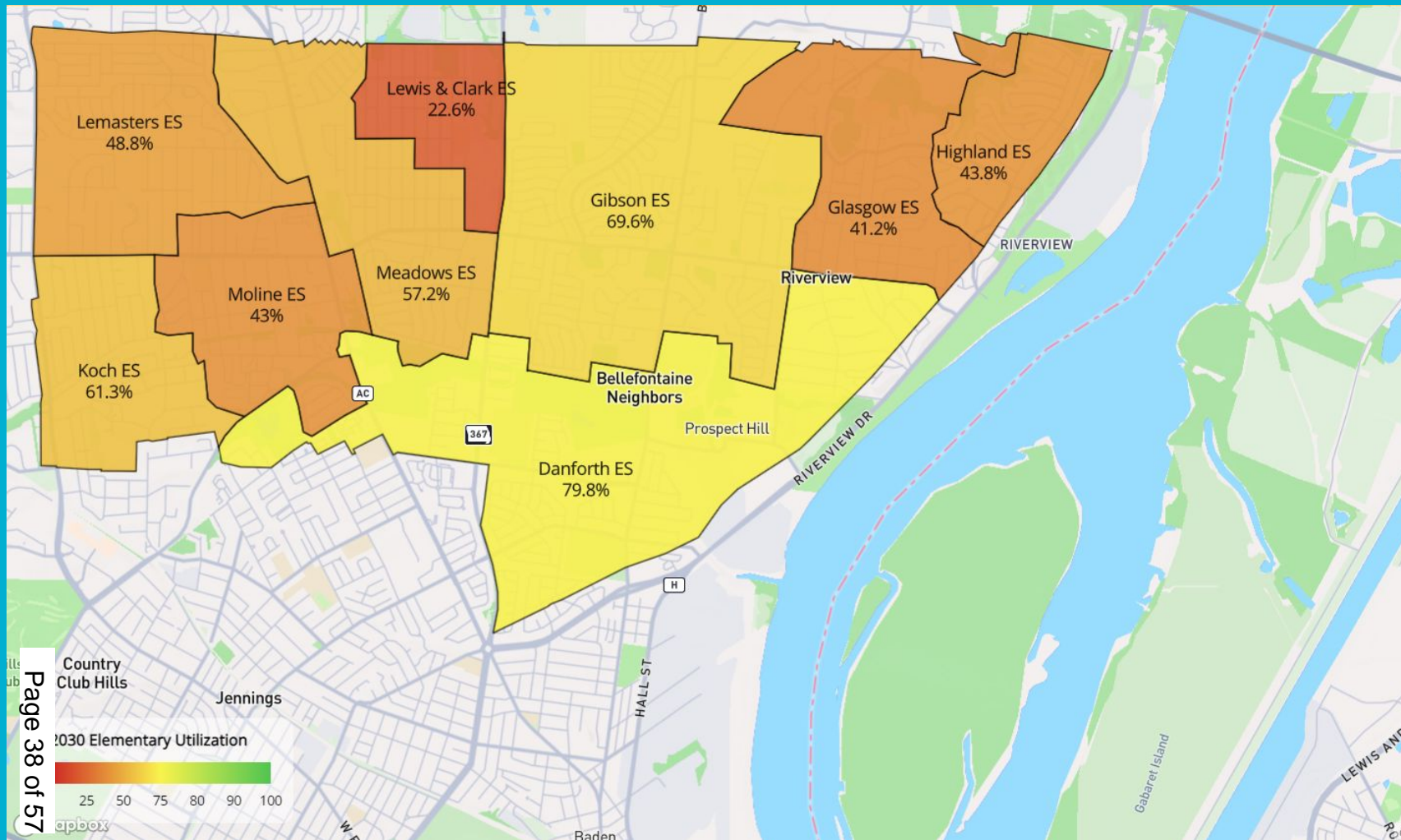
# Forecasts for School (Elementary)

**Riverview Gardens School District 01 Historical & Projected Elementary Capacity Utilization**
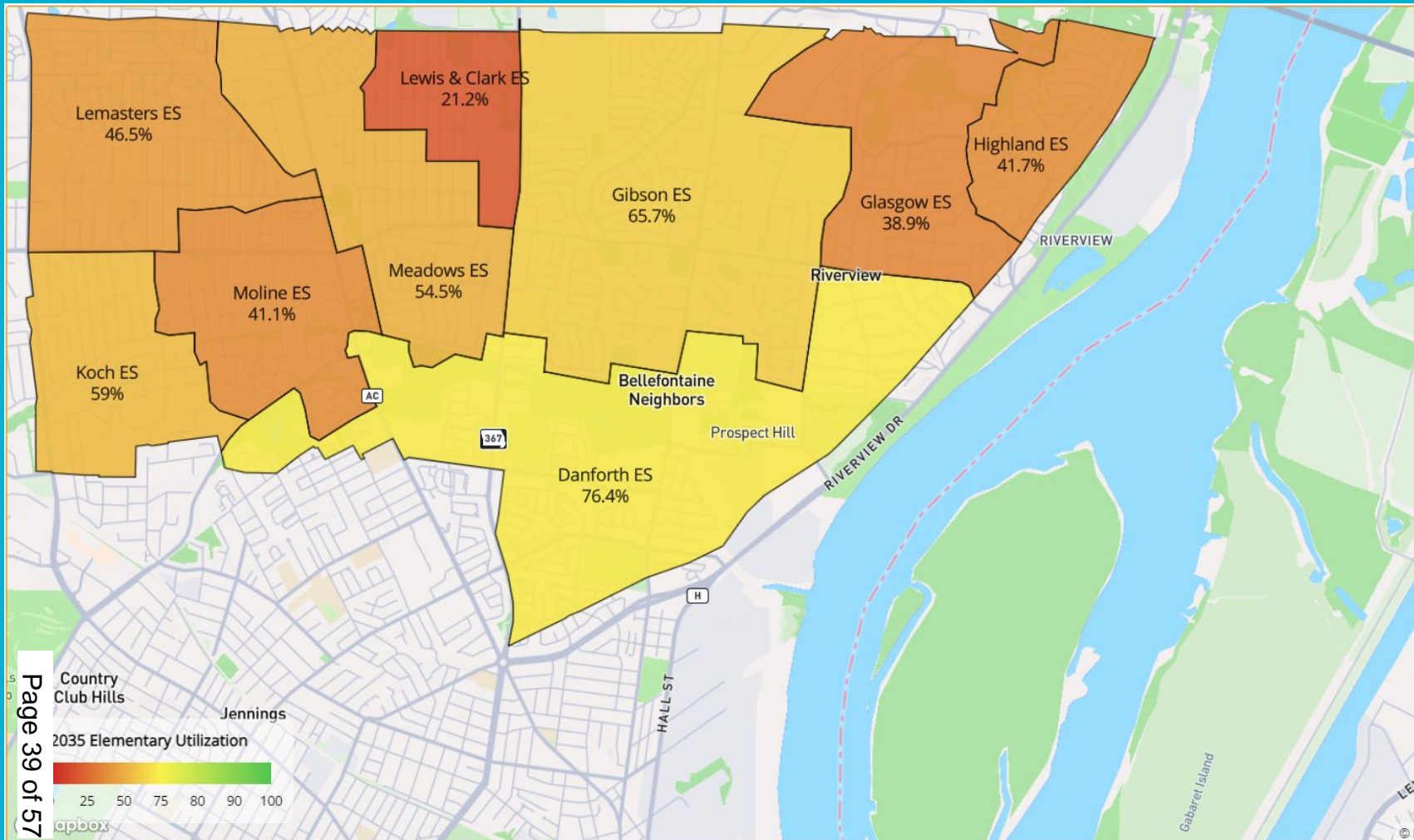
| School | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Danforth ES | 102.2% | 91.7% | 94.5% | 94.2% | 96.9% | 82.5% | 79.1% | 83.4% | 78.5% | 86.2% | 86.3% | 86.3% | 85.0% | 83.0% | 83.3% | 79.8% | 78.7% | 78.4% | 77.3% | 77.0% | 76.4% |
| Gibson ES | 82.6% | 83.4% | 94.8% | 93.0% | 99.4% | 87.4% | 87.8% | 86.0% | 77.2% | 76.8% | 77.9% | 73.5% | 72.1% | 70.3% | 70.1% | 69.6% | 68.3% | 67.0% | 66.2% | 66.0% | 65.7% |
| Glasgow ES | 61.3% | 60.0% | 59.6% | 57.6% | 56.5% | 48.4% | 48.4% | 48.9% | 46.0% | 47.6% | 48.1% | 46.8% | 46.6% | 43.3% | 40.8% | 41.2% | 40.5% | 39.7% | 39.1% | 39.0% | 38.9% |
| Highland ES | 68.8% | 64.6% | 63.0% | 62.6% | 63.0% | 53.0% | 61.4% | 54.8% | 50.6% | 48.2% | 47.3% | 48.3% | 47.5% | 46.4% | 45.3% | 43.8% | 43.1% | 42.5% | 42.1% | 42.0% | 41.7% |
| Koch ES | 74.2% | 74.4% | 78.4% | 72.0% | 65.1% | 64.7% | 53.8% | 67.3% | 69.1% | 67.8% | 66.1% | 65.0% | 66.2% | 64.5% | 64.4% | 61.3% | 60.8% | 60.6% | 60.1% | 59.6% | 59.0% |
| Lemasters ES | 60.9% | 59.3% | 64.5% | 56.9% | 56.0% | 47.8% | 48.2% | 53.6% | 51.5% | 55.6% | 55.2% | 53.2% | 52.5% | 49.6% | 50.6% | 48.8% | 48.2% | 47.6% | 47.0% | 46.9% | 46.5% |
| Lewis & Clark ES | 45.8% | 38.7% | 39.1% | 35.1% | 29.3% | 30.9% | 31.6% | 32.2% | 31.1% | 29.8% | 28.3% | 27.9% | 25.9% | 23.7% | 22.8% | 22.6% | 22.1% | 21.5% | 21.3% | 21.3% | 21.2% |
| Meadows ES | 58.7% | 66.5% | 62.7% | 69.9% | 67.6% | 62.3% | 65.0% | 63.4% | 57.3% | 62.5% | 62.9% | 63.7% | 63.1% | 61.2% | 60.2% | 57.2% | 56.3% | 55.5% | 55.1% | 55.0% | 54.5% |
| Moline ES | 61.1% | 55.4% | 47.4% | 51.2% | 54.9% | 46.2% | 46.7% | 47.2% | 47.0% | 46.7% | 45.6% | 45.6% | 44.9% | 45.0% | 43.2% | 43.0% | 42.6% | 42.1% | 41.7% | 41.3% | 41.1% |

Data Source: Demographic Analytics Advsiors; Missouri DESE; Riverview Gardens School District;

2019 Elementary Utilization

Lemasters ES 56%

Lewis & Clark ES 29.3%

Highland ES 63%

Gibson ES 99.4%

Glasgow ES 56.5%

Moline ES 54.9%

Meadows ES 67.6%

Riverview

Koch ES 65.1%

Bellefontaine Neighbors

Prospect Hill

Danforth ES 96.9%

2030 Elementary Utilization

Lemasters ES 48.8%

Lewis & Clark ES 22.6%

Highland ES 43.8%

Gibson ES 69.6%

Glasgow ES 41.2%

Meadows ES 57.2%

Moline ES 43%

Koch ES 61.3%

Bellefontaine Neighbors

Danforth ES 79.8%

25  50  75  80  90  100

**Riverview Gardens Elementary School Projections: Danforth ES**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
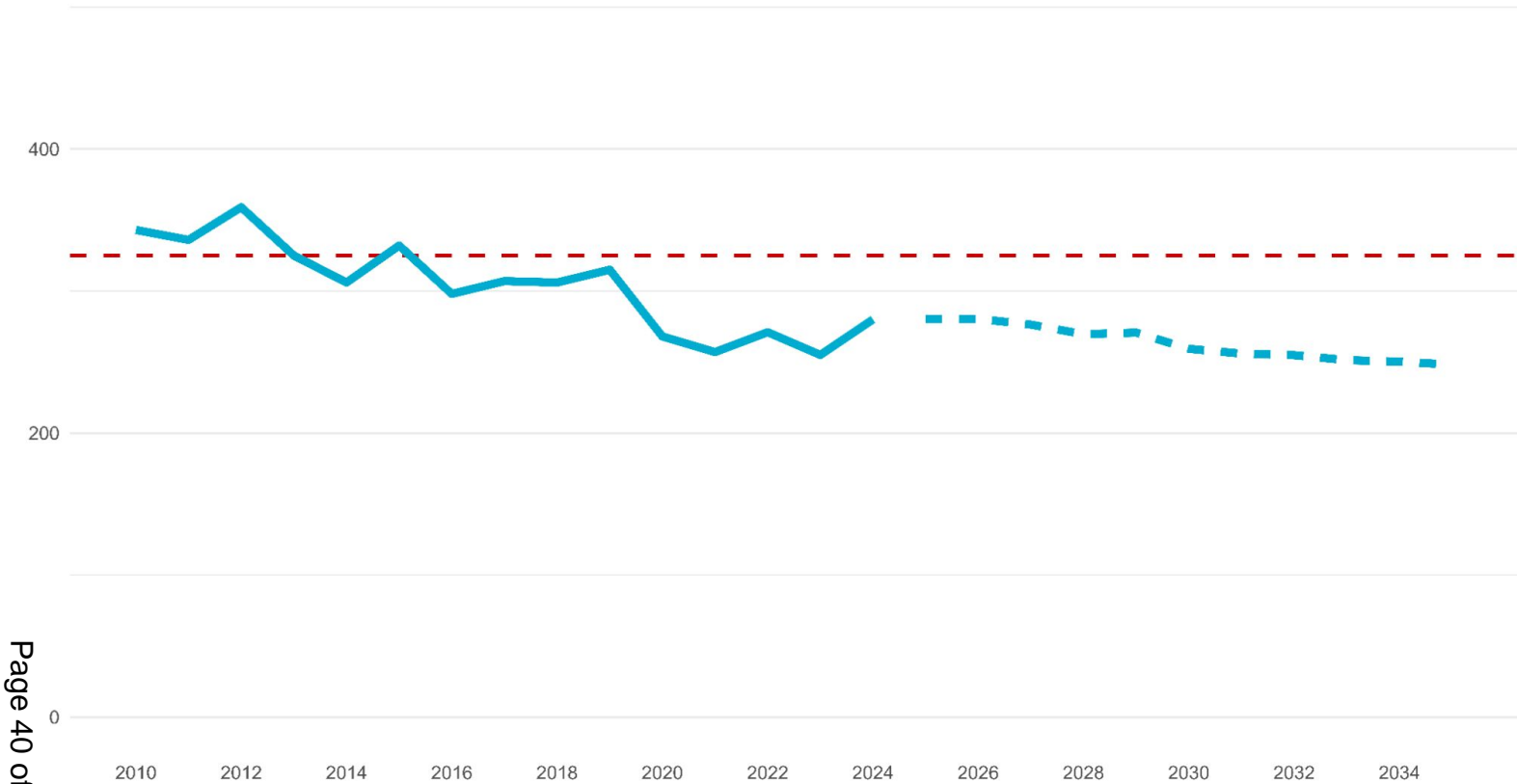
# Riverview Gardens Elementary School Projections: Gibson ES
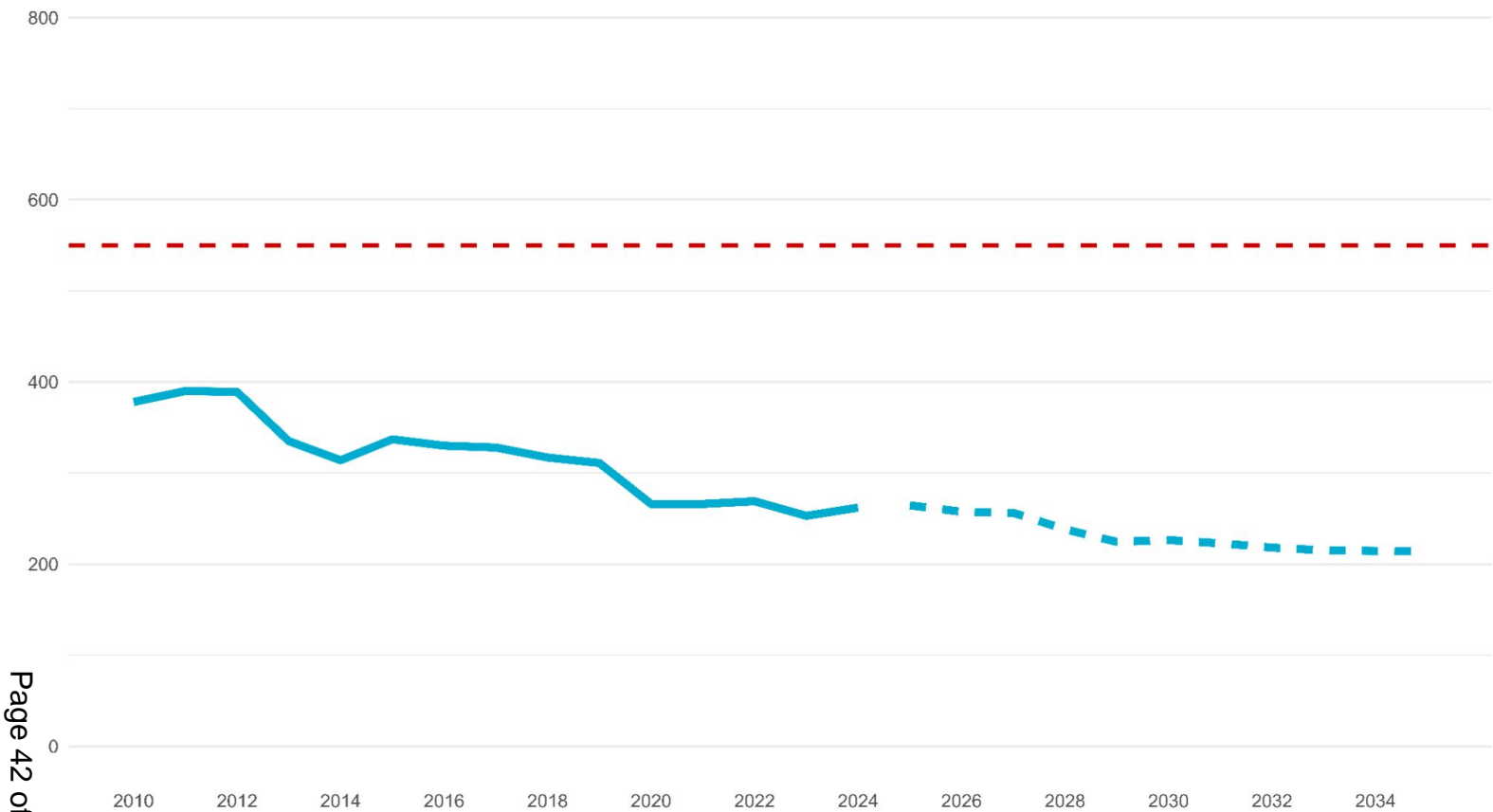*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
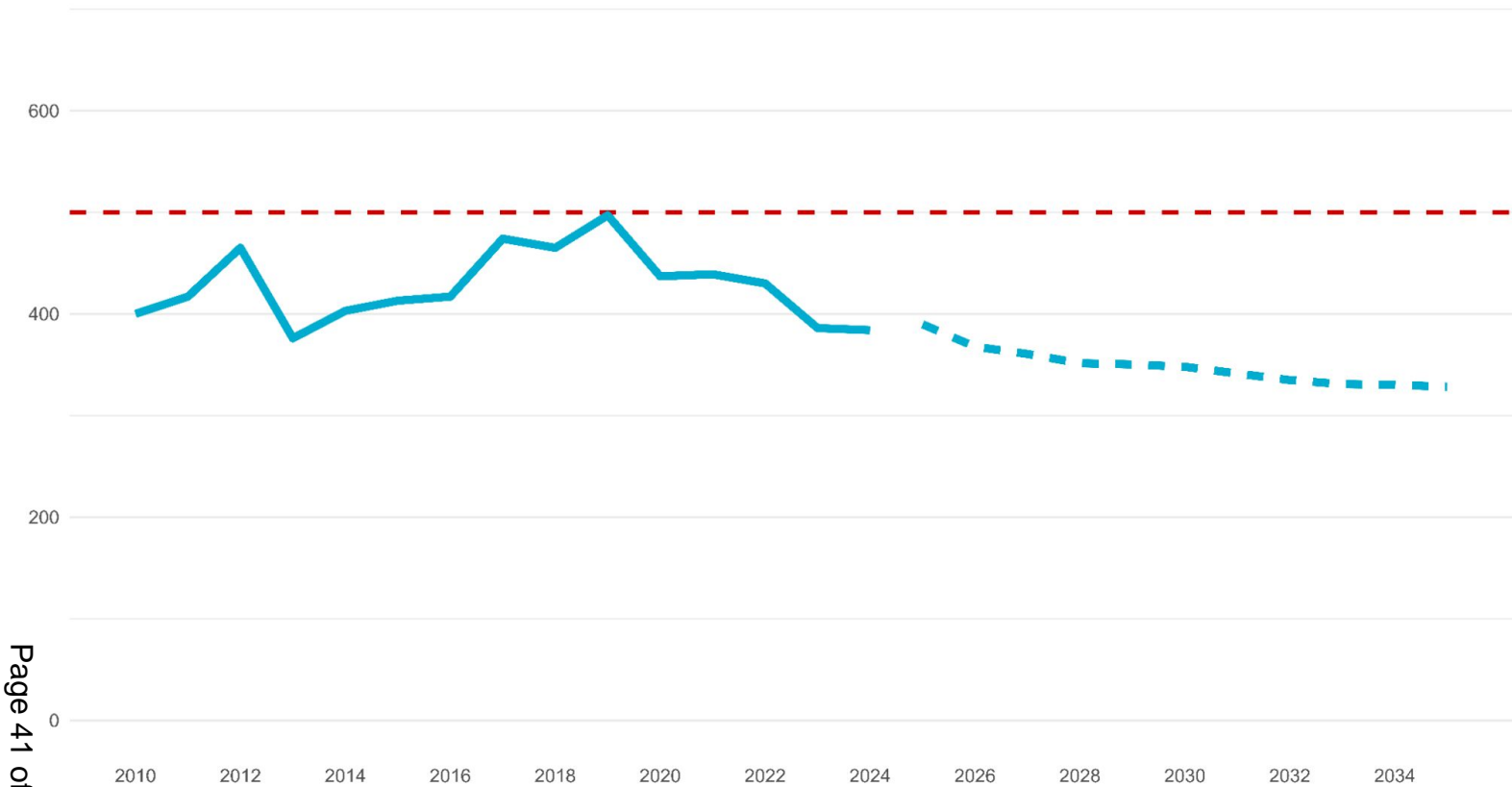
# Riverview Gardens Elementary School Projections: Glasgow ES
*2010 through 2035; projections begin 2025*



*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*

**Riverview Gardens Elementary School Projections: Highland ES**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
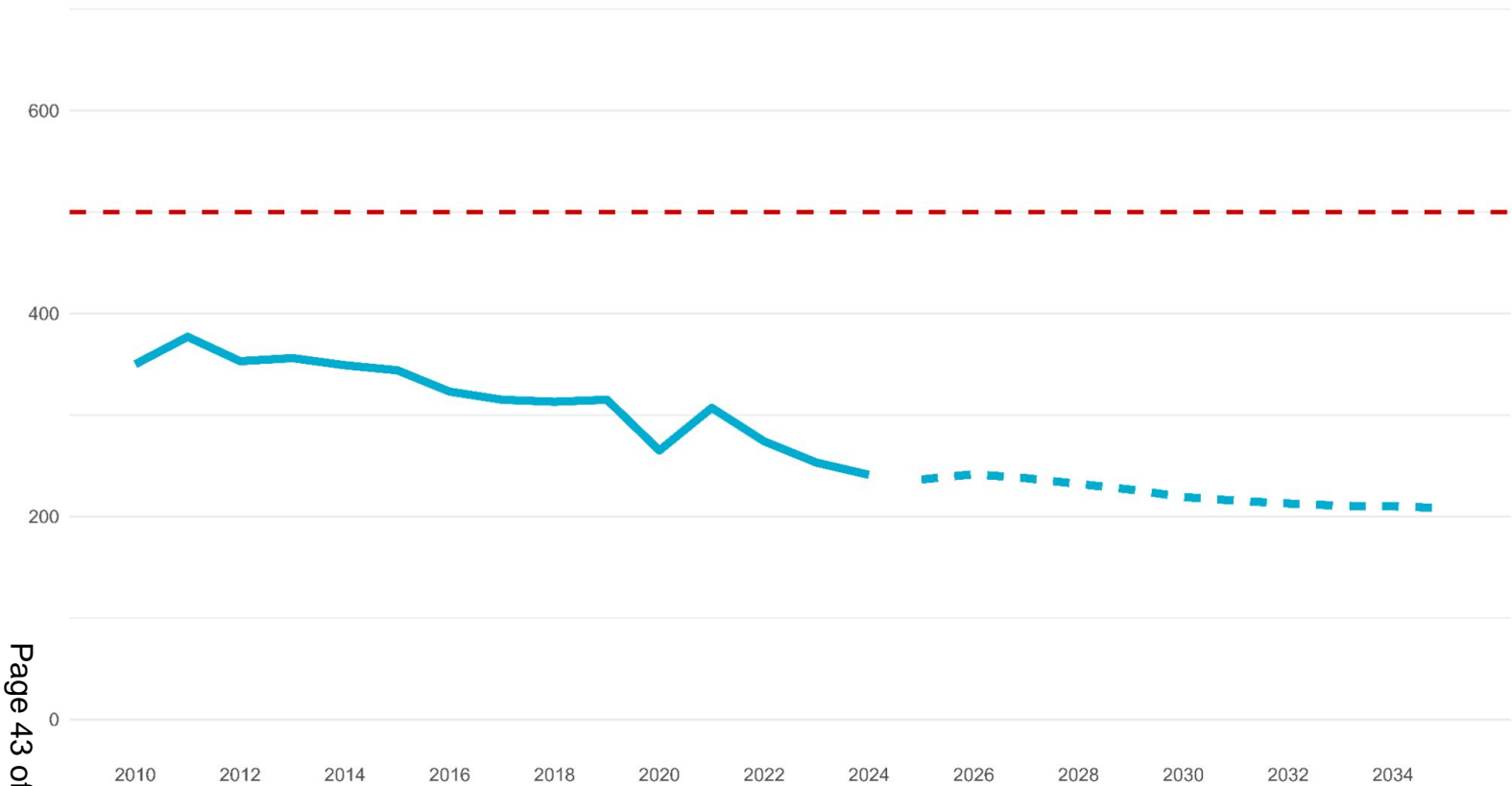
**Riverview Gardens Elementary School Projections: Koch ES**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
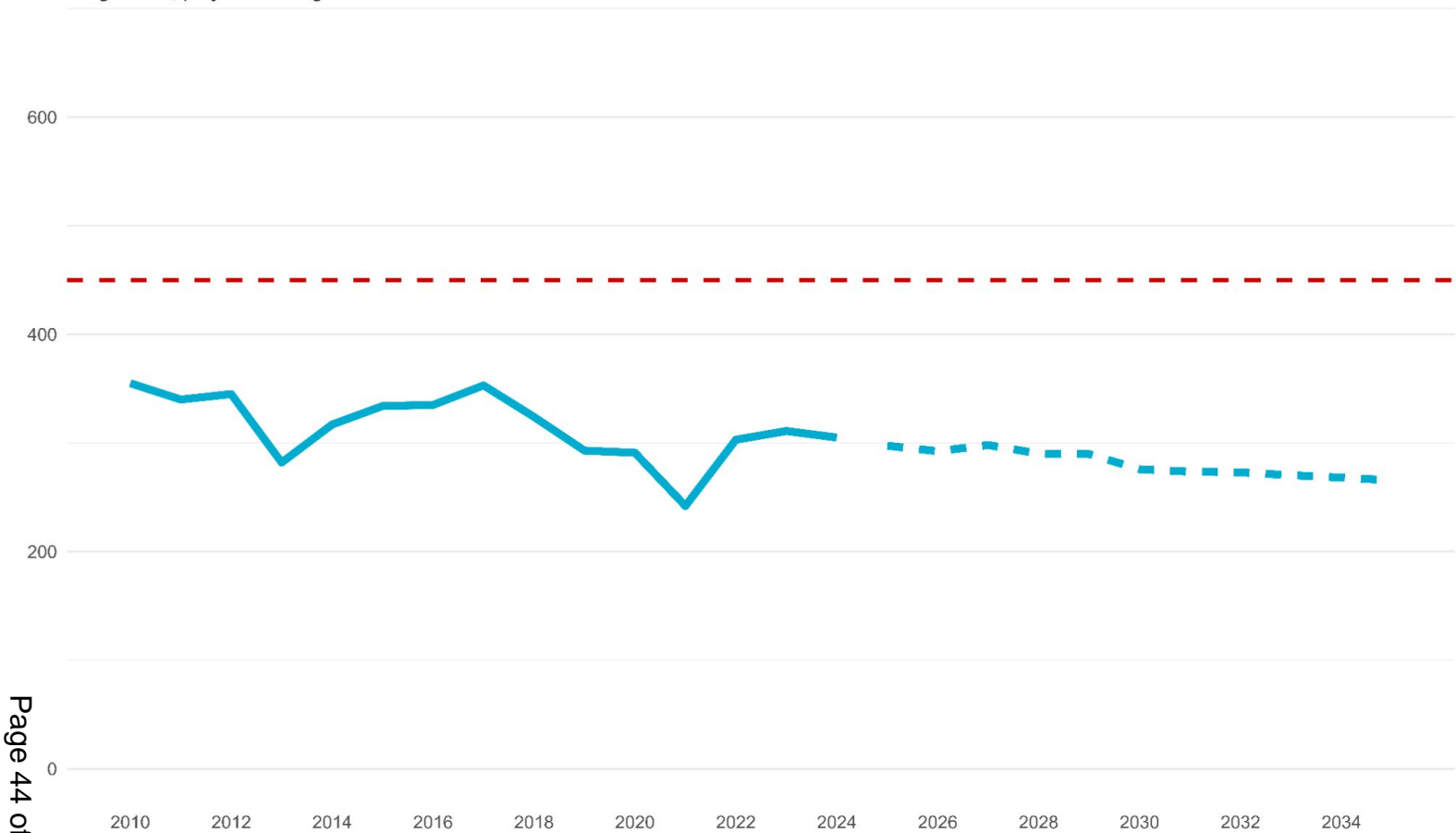
# Riverview Gardens Elementary School Projections: Lemasters ES
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
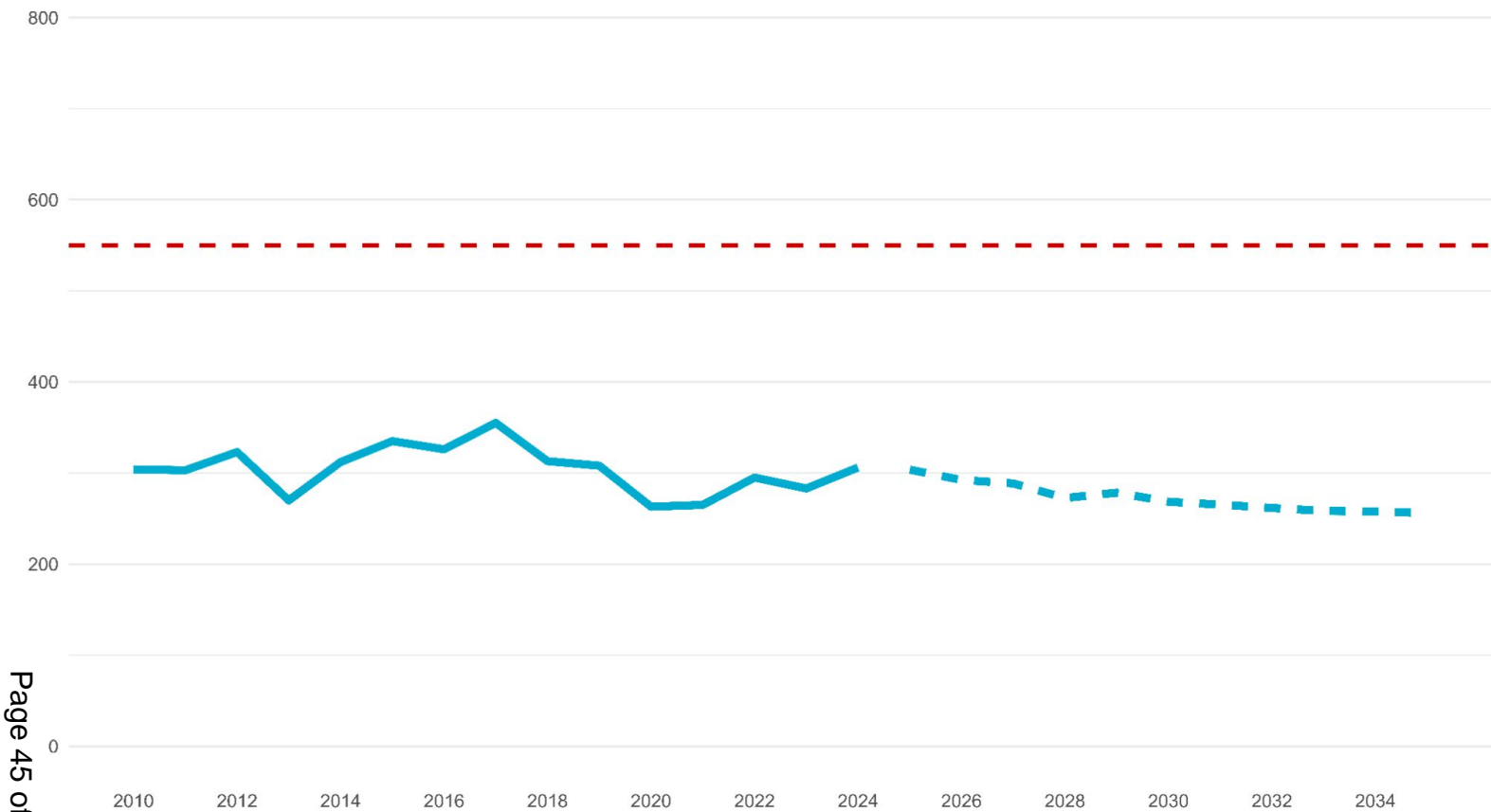
# Riverview Gardens Elementary School Projections: Lewis & Clark ES
2010 through 2035; projections begin 2025

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
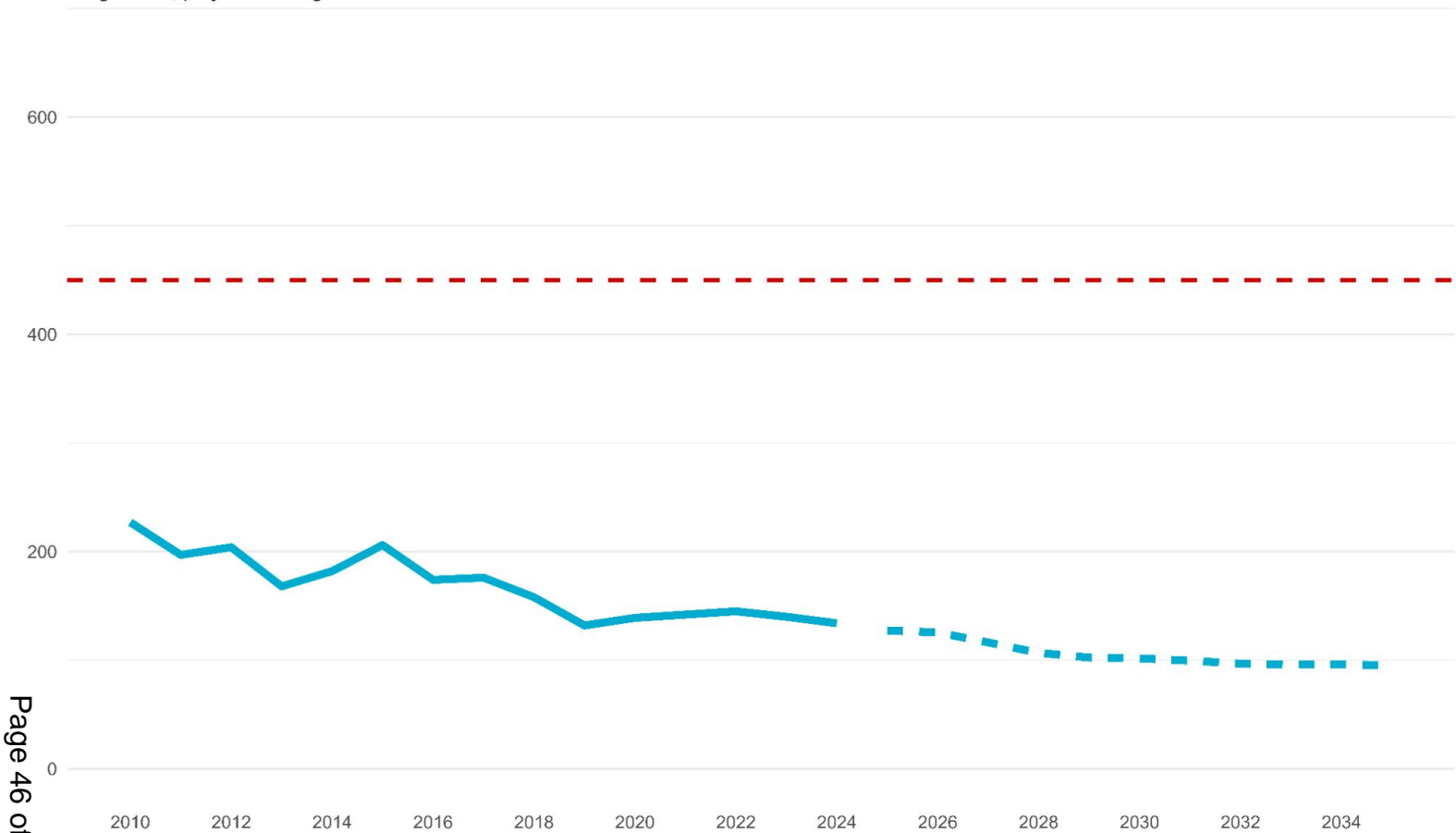
**Riverview Gardens Elementary School Projections: Meadows ES**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
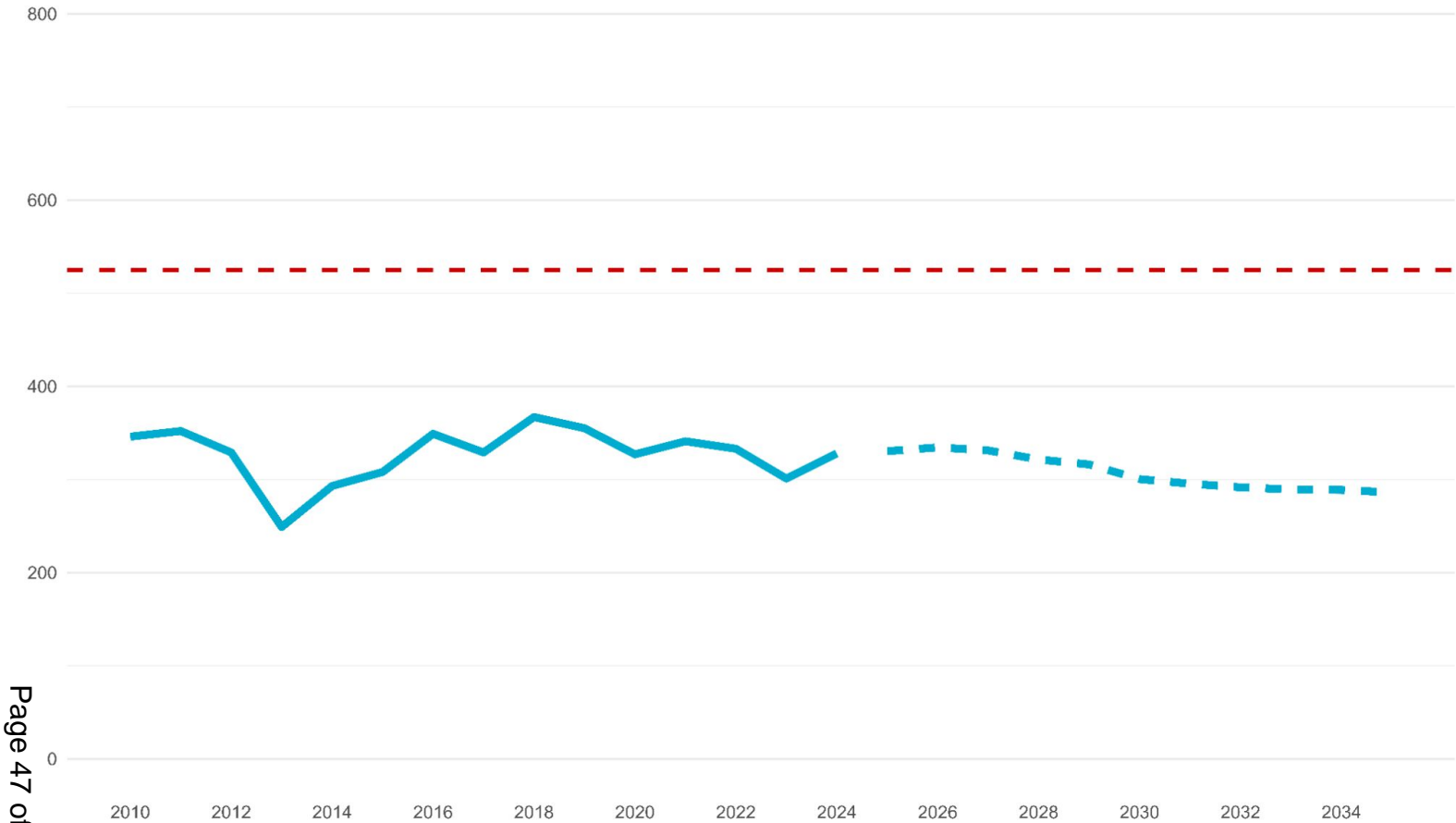
# Riverview Gardens Elementary School Projections: Moline ES
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
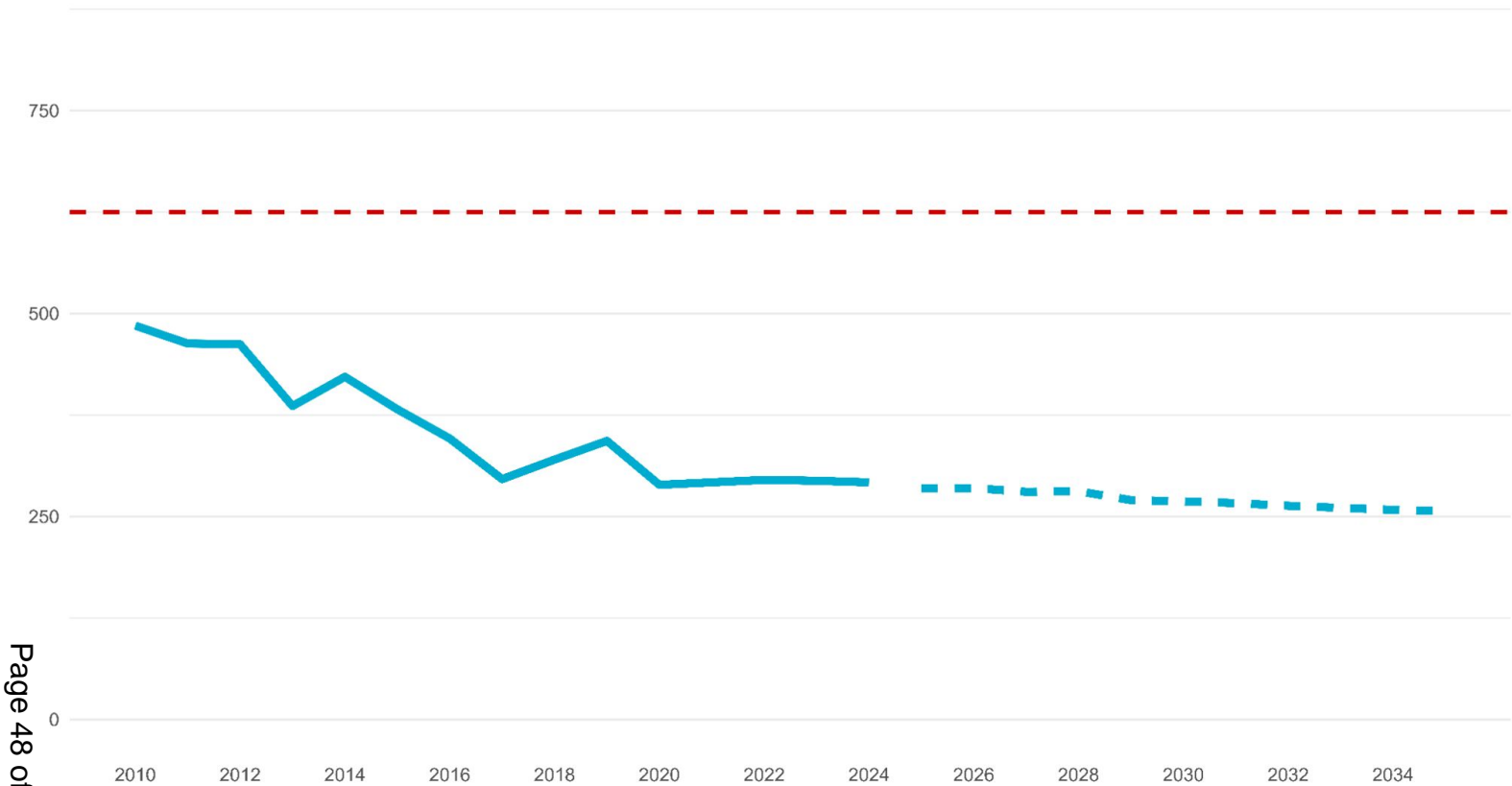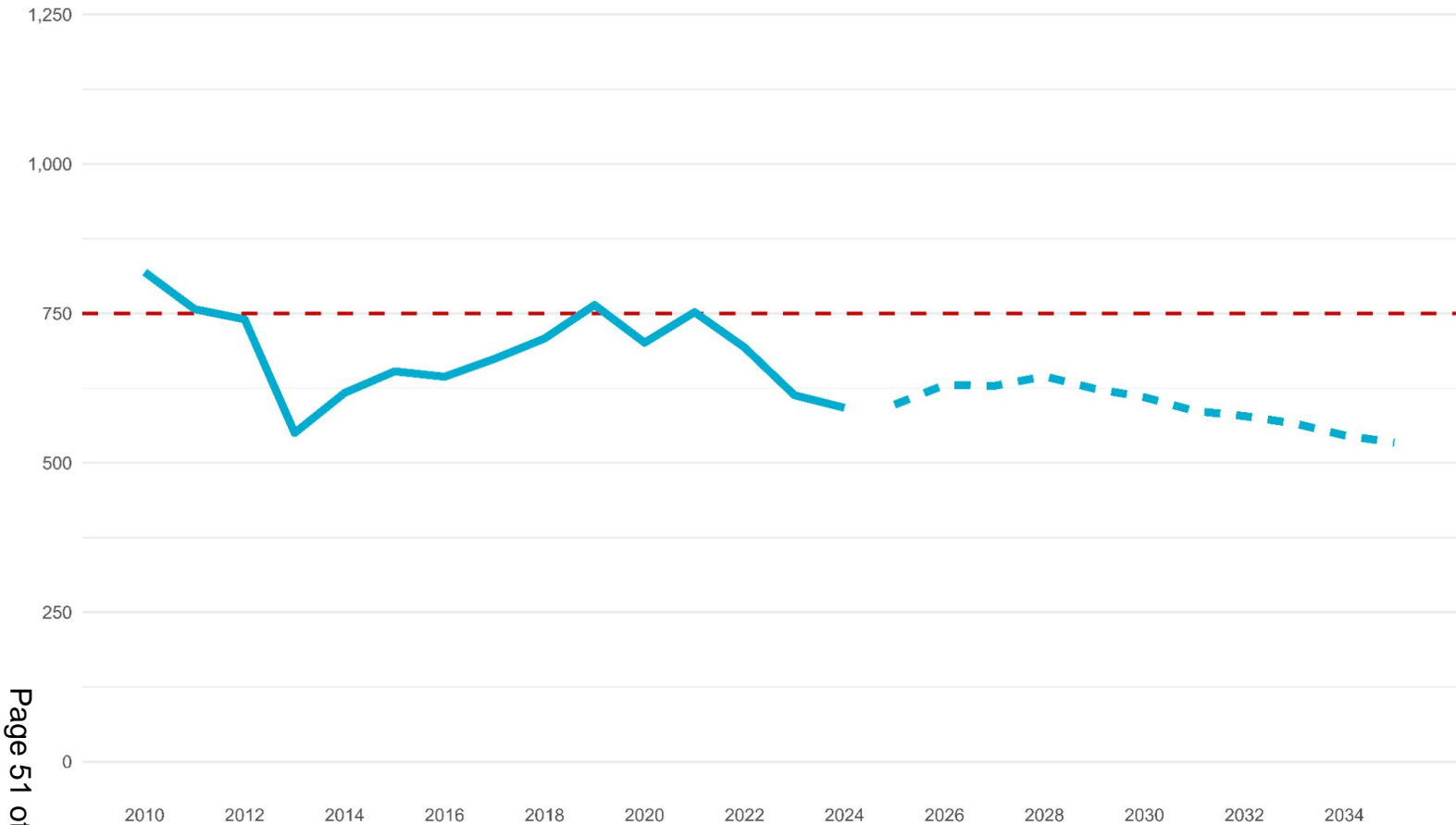
# Forecasts for School (Middle)

## Riverview Gardens School District 01 Historical & Projected Elementary Capacity Utilization

| School | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RG Central MS** | 87.1% | 85.9% | 89.9% | 94.4% | 101.9% | 93.5% | 100.3% | 92.4% | 81.7% | 78.9% | 79.6% | 84.0% | 83.8% | 86.0% | 83.2% | 81.3% | 78.2% | 77.1% | 75.5% | 72.8% | 71.1% |
| **Westview MS** | 83.7% | 78.4% | 78.8% | 80.9% | 92.1% | 82.5% | 81.6% | 73.9% | 80.3% | 80.4% | 87.2% | 84.2% | 82.4% | 83.7% | 84.7% | 89.0% | 85.4% | 84.0% | 79.4% | 78.2% | 77.5% |

Data Source: Demographic Analytics Advsiors; Missouri DESE; Riverview Gardens School District;
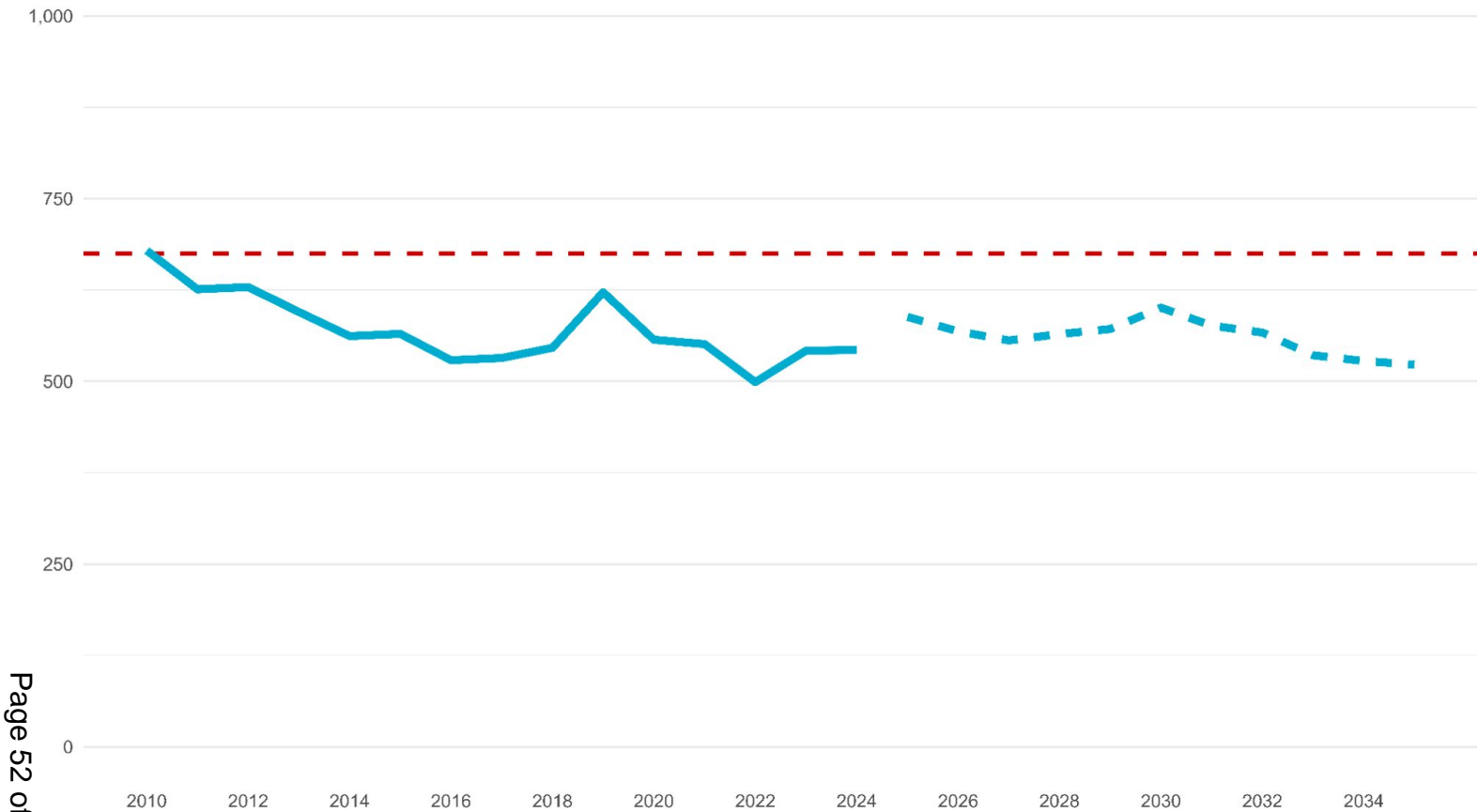
**Riverview Gardens Elementary School Projections: RG Central MS**
*2010 through 2035; projections begin 2025*

*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*

**Riverview Gardens Elementary School Projections: Westview MS**

*2010 through 2035; projections begin 2025*



*from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;*
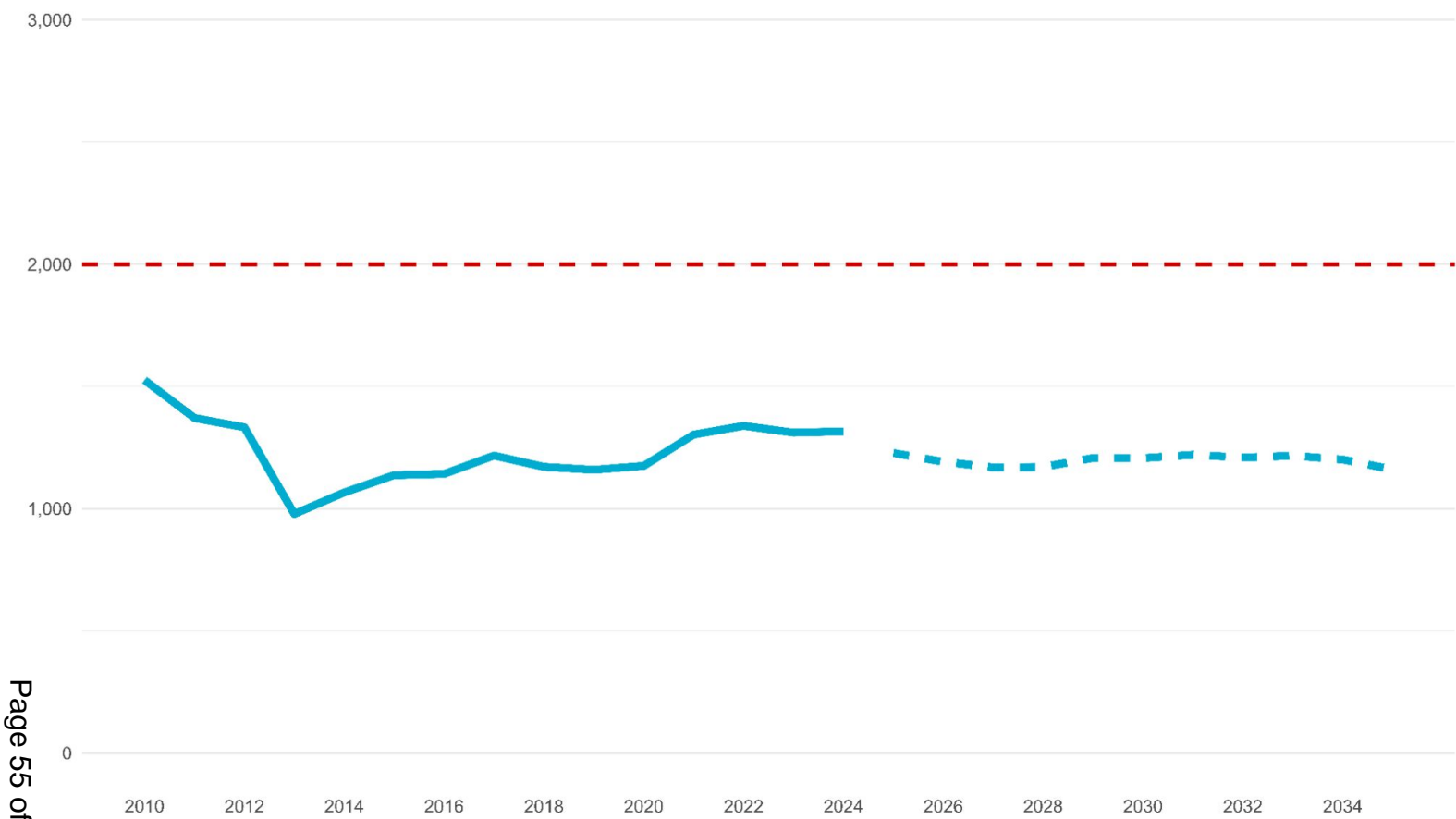
# Forecasts for School (High)

## Riverview Gardens School District 01 Historical & Projected Elementary Capacity Utilization

| School | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Riverview Gardens HS | 56.9% | 57.1% | 60.9% | 58.6% | 58.0% | 58.8% | 65.1% | 67.0% | 65.5% | 65.8% | 61.4% | 59.6% | 58.4% | 58.5% | 60.4% | 60.3% | 61.0% | 60.5% | 60.8% | 60.0% | 58.0% |

Data Source: Demographic Analytics Advsiors; Missouri DESE; Riverview Gardens School District;

# Riverview Gardens Elementary School Projections: Riverview Gardens HS
2010 through 2035; projections begin 2025

from: Demographic Analytics Advisors; Missouri DESE; Riverview Gardens School District;

# Questions?

# Thank you!