



# SYSTEMS APPROACHES IN EDUCATION: CONSOLIDATION & EXPANSION OF EMA TO EACH CHILD IN THE PROVINCE



## Innovation Information Revolution

Dated: 07-03-2023

[www.kpimu.gov.pk](http://www.kpimu.gov.pk)

### ***5.5.1 Population Projections***

According to the calculations undertaken based on the population census 2017, the population of children of 4-17 years' age in Khyber Pakhtunkhwa for 2018-19 is estimated at 13,981,072. Considering the population growth rate, it is expected that the population of 4-17 years' age group would reach 16,590,409 children by 2024-25. The table below presents the population of 4-17 years' age children in the province from 2020-21 to 2024-25.

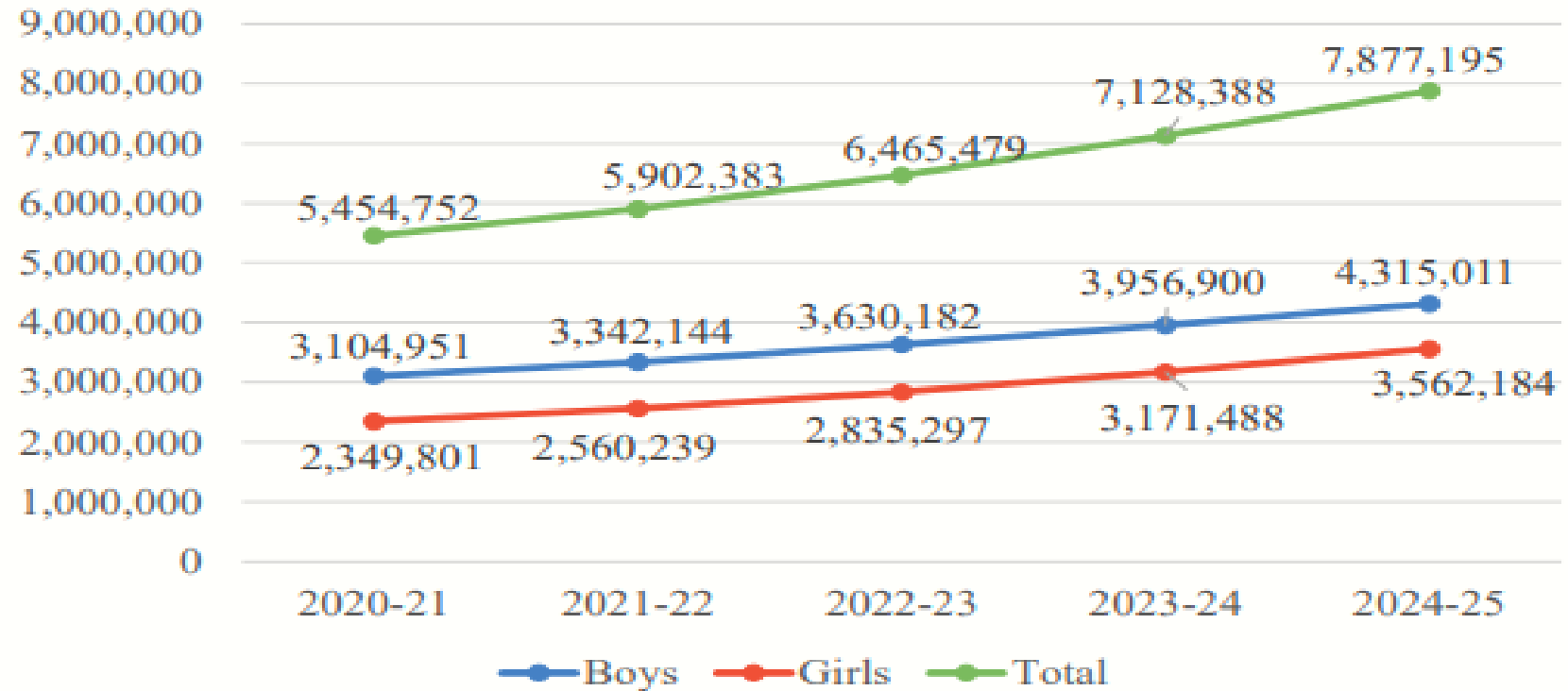
*Table 6: Population of 4-17 years Children in Khyber Pakhtunkhwa*

<b>Year</b>	<b>Boys</b>	<b>Girls</b>	<b>Total</b>
<b>2020-21</b>	7,995,585	6,804,013	14,799,599
<b>2021-22</b>	8,226,989	7,000,496	15,227,486
<b>2022-23</b>	8,465,396	7,202,913	15,668,310
<b>2023-24</b>	8,711,027	7,411,450	16,122,477
<b>2024-25</b>	8,964,109	7,626,299	16,590,409

Source: ESP Simulation and Costing Model

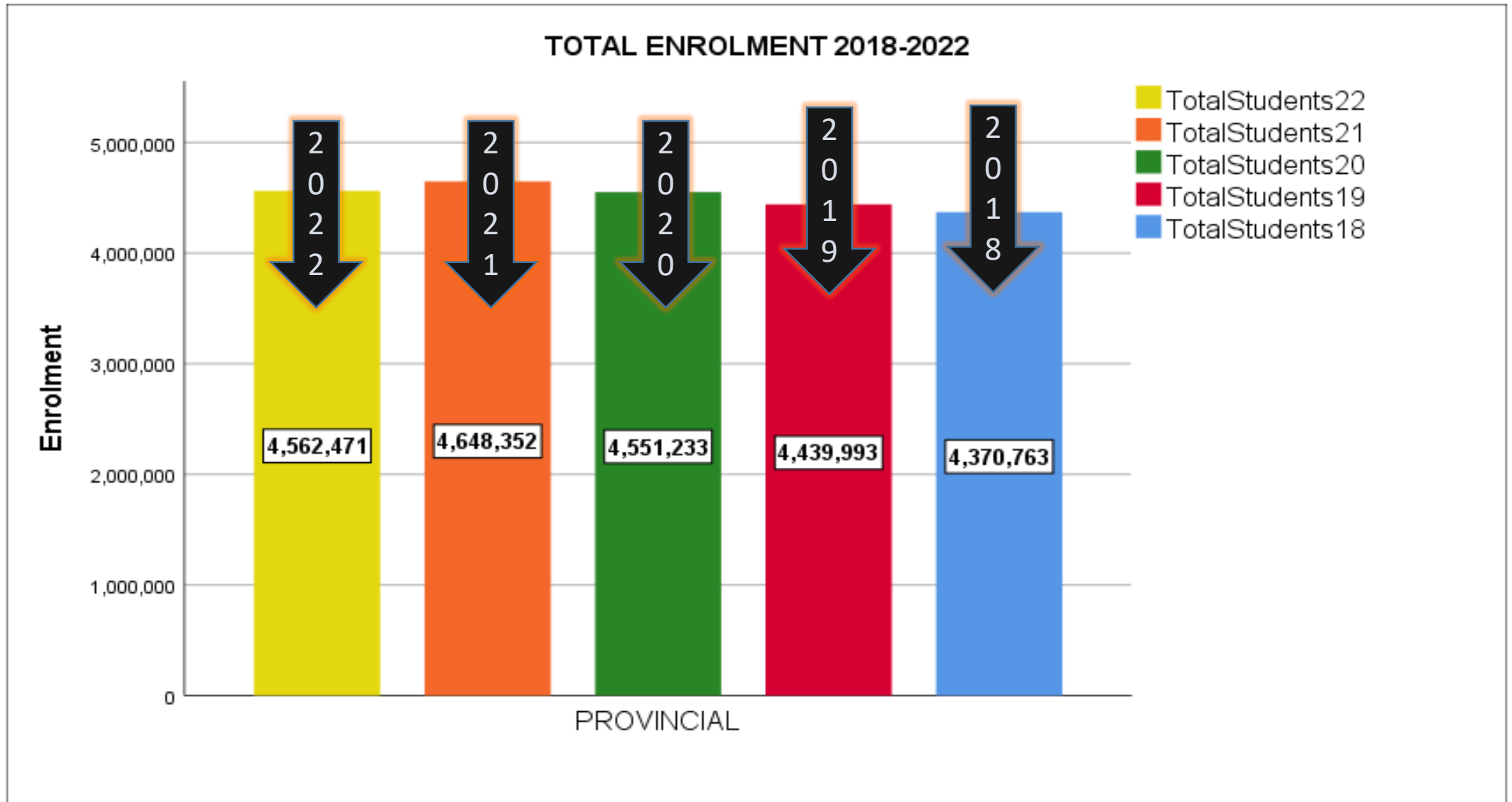
Source: Education Sector Plan, E&SED 2020-21 to 2024-25.

*Figure 5: Enrolment Projections for Public Schools in Khyber Pakhtunkhwa*

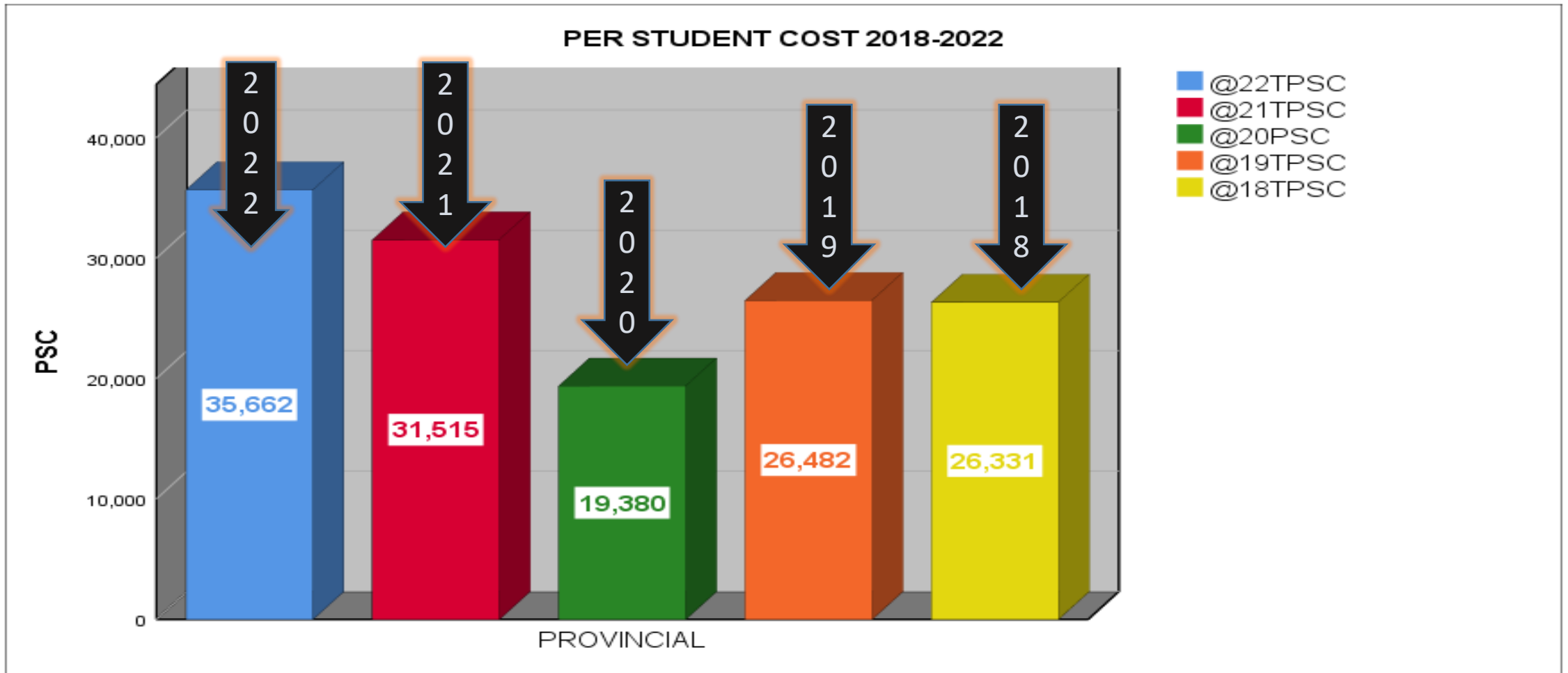


Source: Education Sector Plan, E&SED 2020-21 to 2024-25.

## Government School Enrolment For Settled Districts (Excluding NMDs)



Source: Education Monitoring Authority Khyber Pakhtunkhwa.



**Expenditures/  
Enrolment**

162,704,629,657/  
4,562,471  
(2022)

146,493,738,021/  
4,648,352  
(2021)

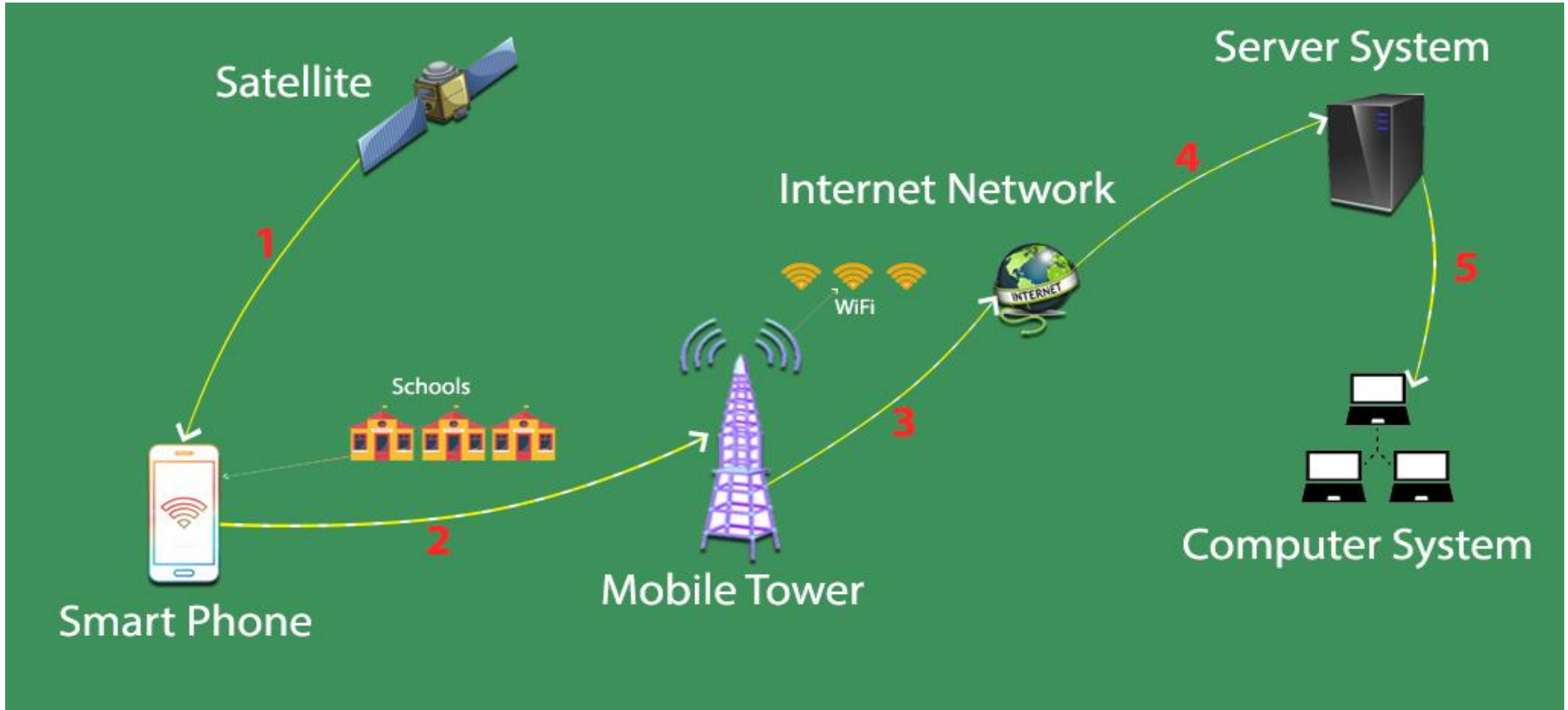
882,046,667,04/  
4,551,233  
(2020)

117,581,988,686/  
4,439,993  
(2019)

115,085,555,342/  
4,370,763  
(2018)

Source: Finance Department Govt. of Khyber Pakhtunkhwa. <https://www.finance.gkp.pk>

# TECHNOLOGY AT A GLANCE



# LIST OF THE KEY PERFORMANCE INDICATORS (KPIs)

- **Monthly Indicators**

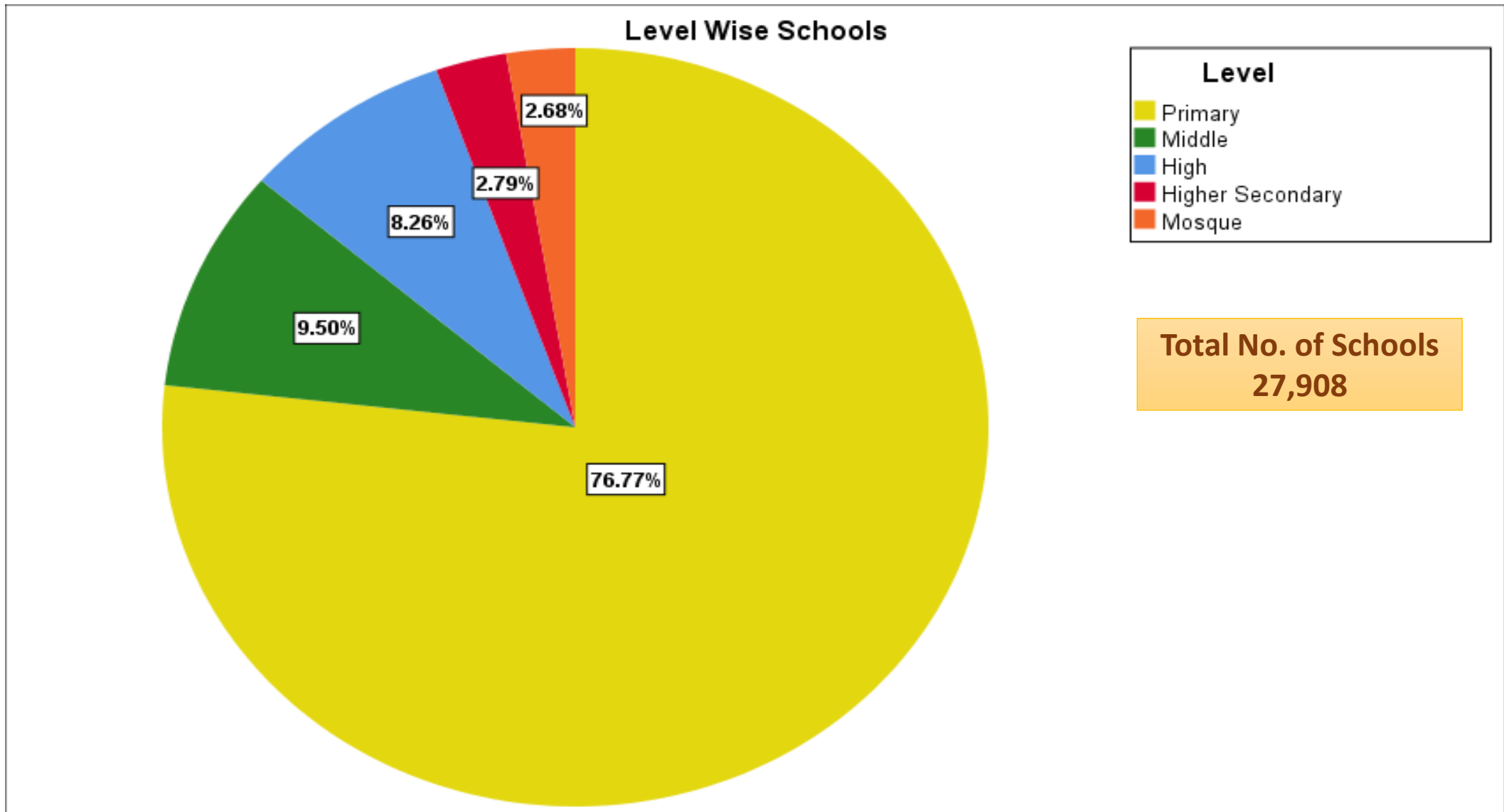
- Closed Schools
- Teaching Staff Absenteeism
- Non-Teaching Staff Absenteeism
- Enrollment Attendance Gap
- Administrative Visits
- Illegally Occupied Schools
- Parent Teacher Council (PTC) Details
- Basic Facilities (Toilet, Boundary wall, Electricity and Drinking water)

# LIST OF THE KPIS

- **Annual Indicators**

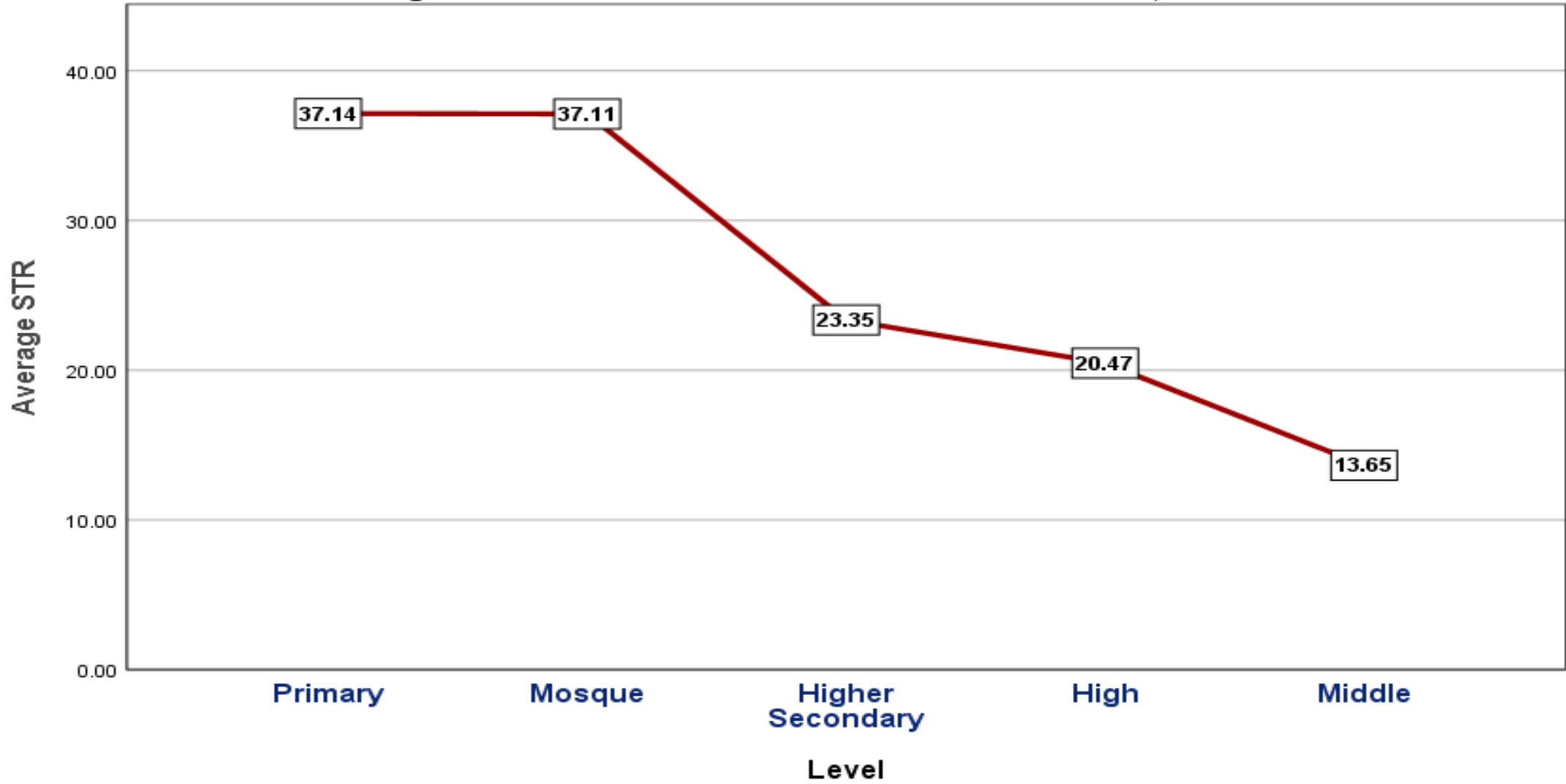
- School Area & Infrastructure
- IT Labs
- Stipend
- Enrollment by Age and Section wise
- Disabled Students
- Security Measures
- Provision of Free Textbooks
- School Furniture
- Human Resource Details (Teaching and Non Teaching Staff)
- Sanction, Working and Vacant Posts





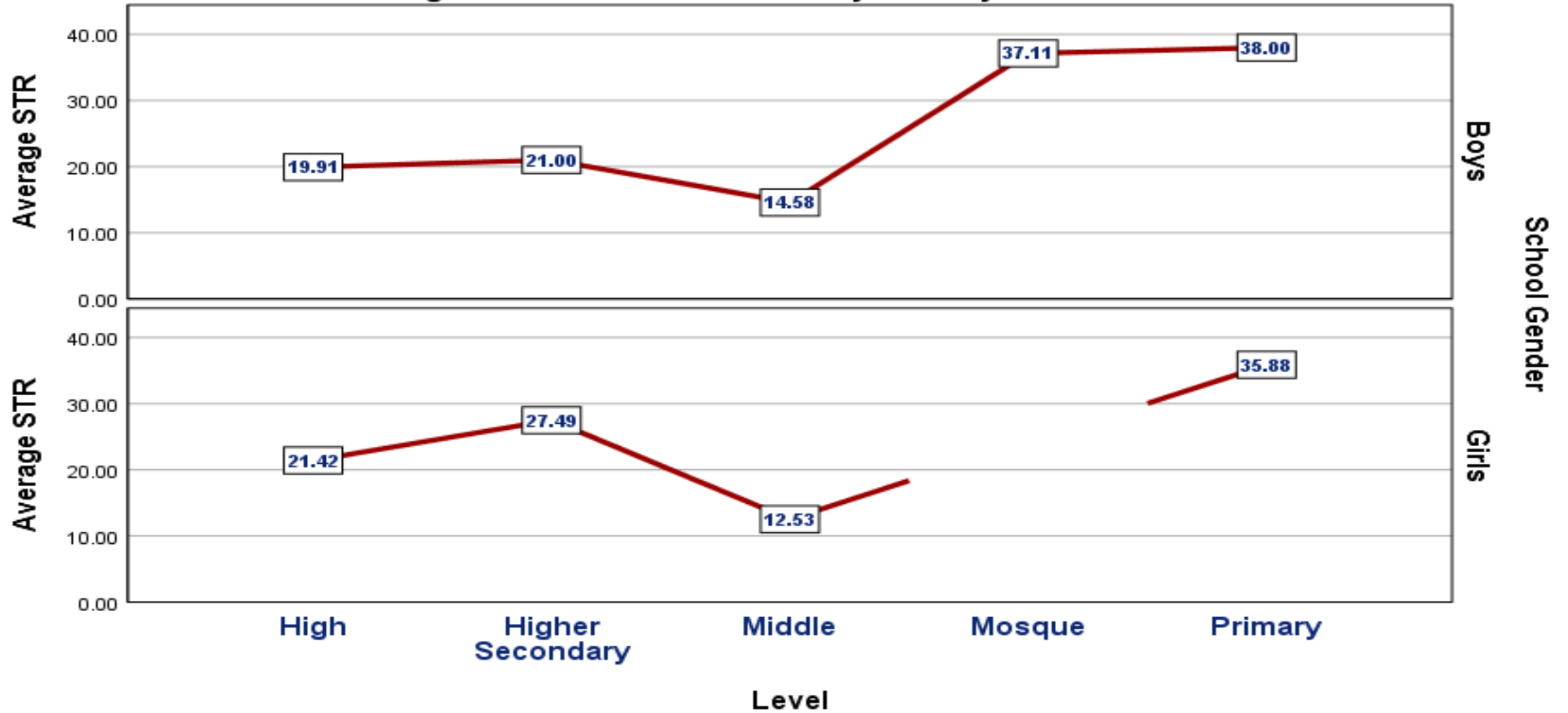
Source: Education Monitoring Authority Khyber Pakhtunkhwa.

**Average Student to Teacher Ratio in Government Schools, 2022**



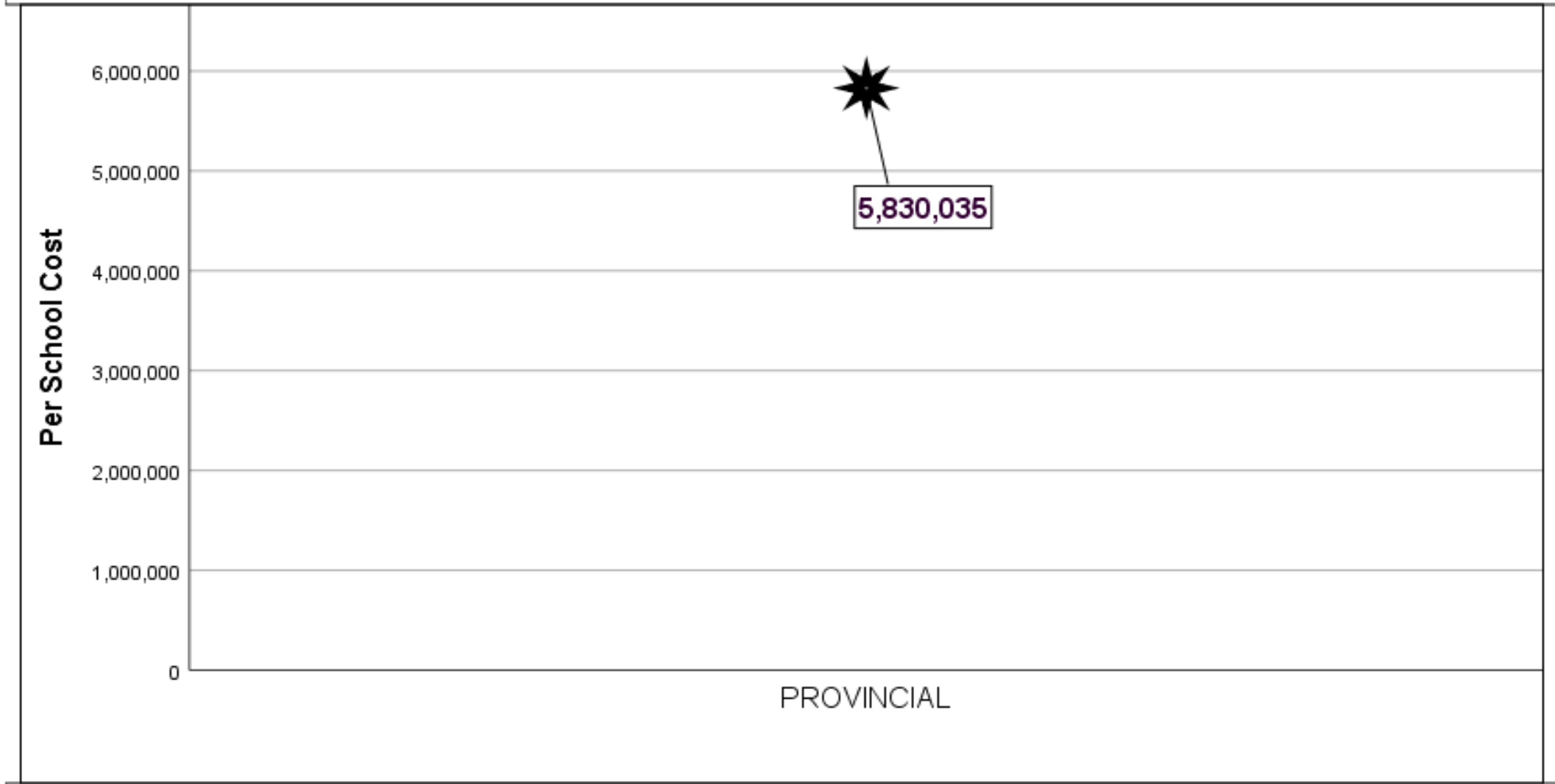
Source: Education Monitoring Authority Khyber Pakhtunkhwa.

Average Student to Teacher Ratio by Level by School Gender



Source: Education Monitoring Authority Khyber Pakhtunkhwa.

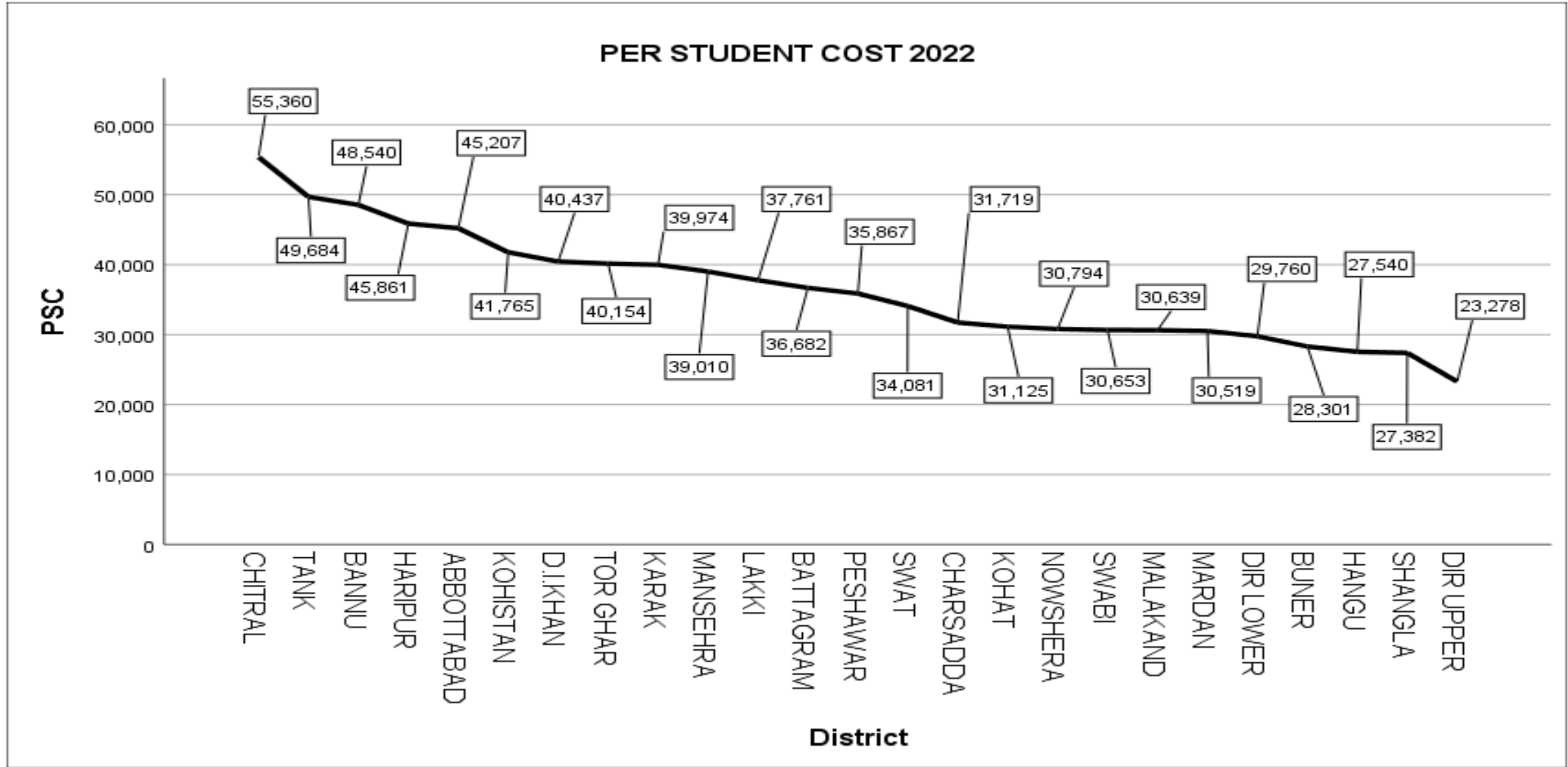
### PER SCHOOL COST



Error Bars: 95% CI

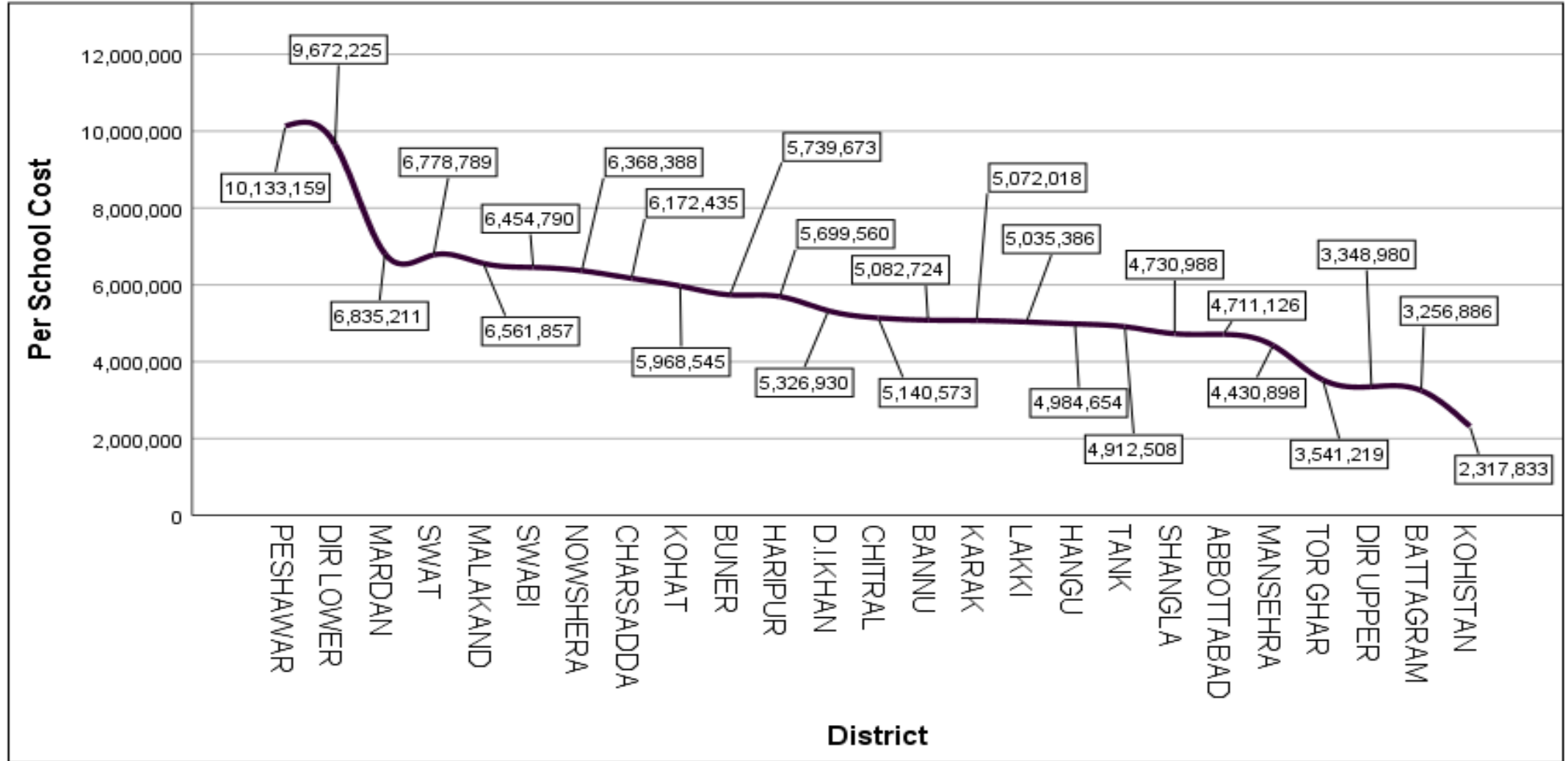
***Total No of Schools 27,908***

Source: Finance Department & Education Monitoring Authority Khyber Pakhtunkhwa.



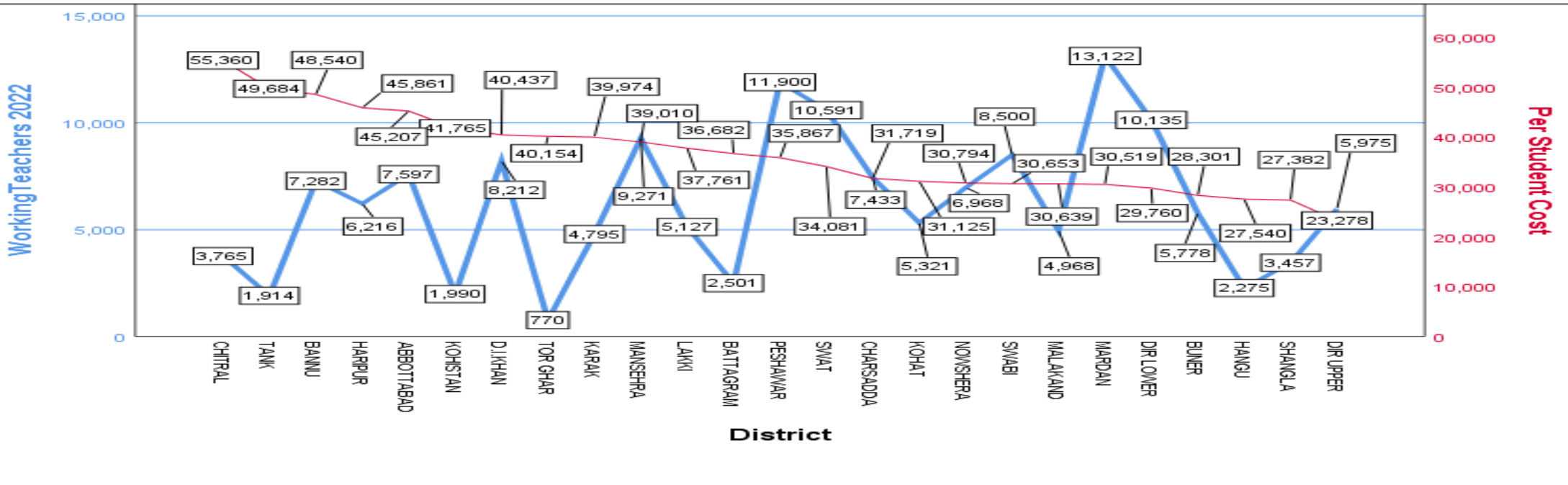
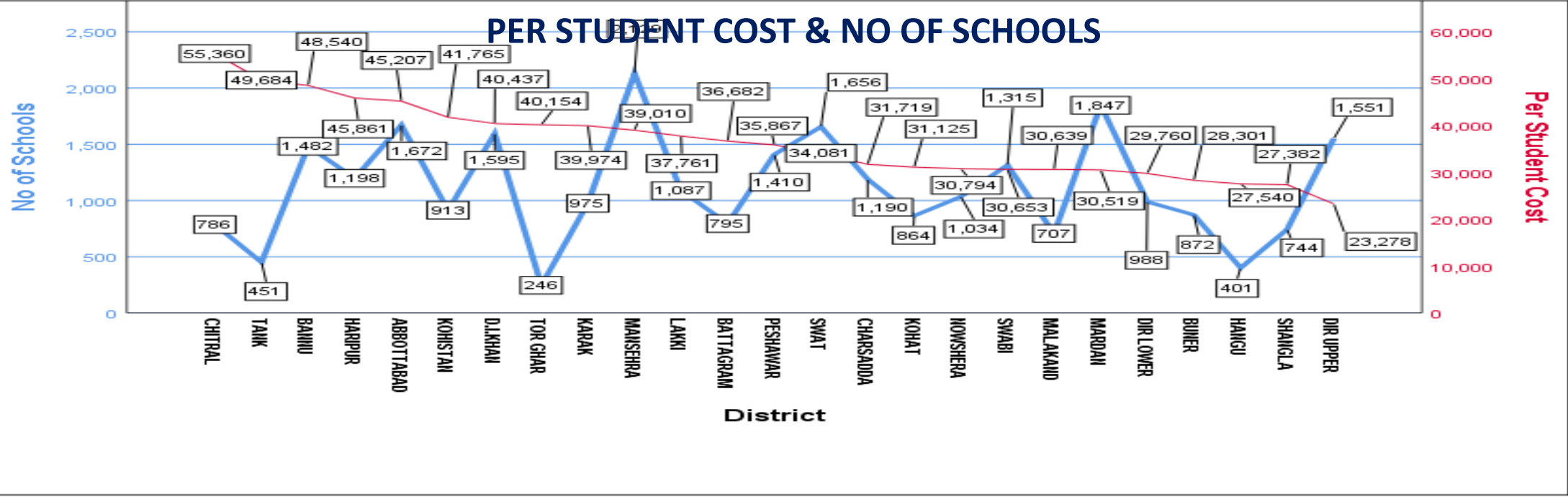
Source: Education Monitoring Authority Khyber Pakhtunkhwa.

### PER SCHOOL COST 2022

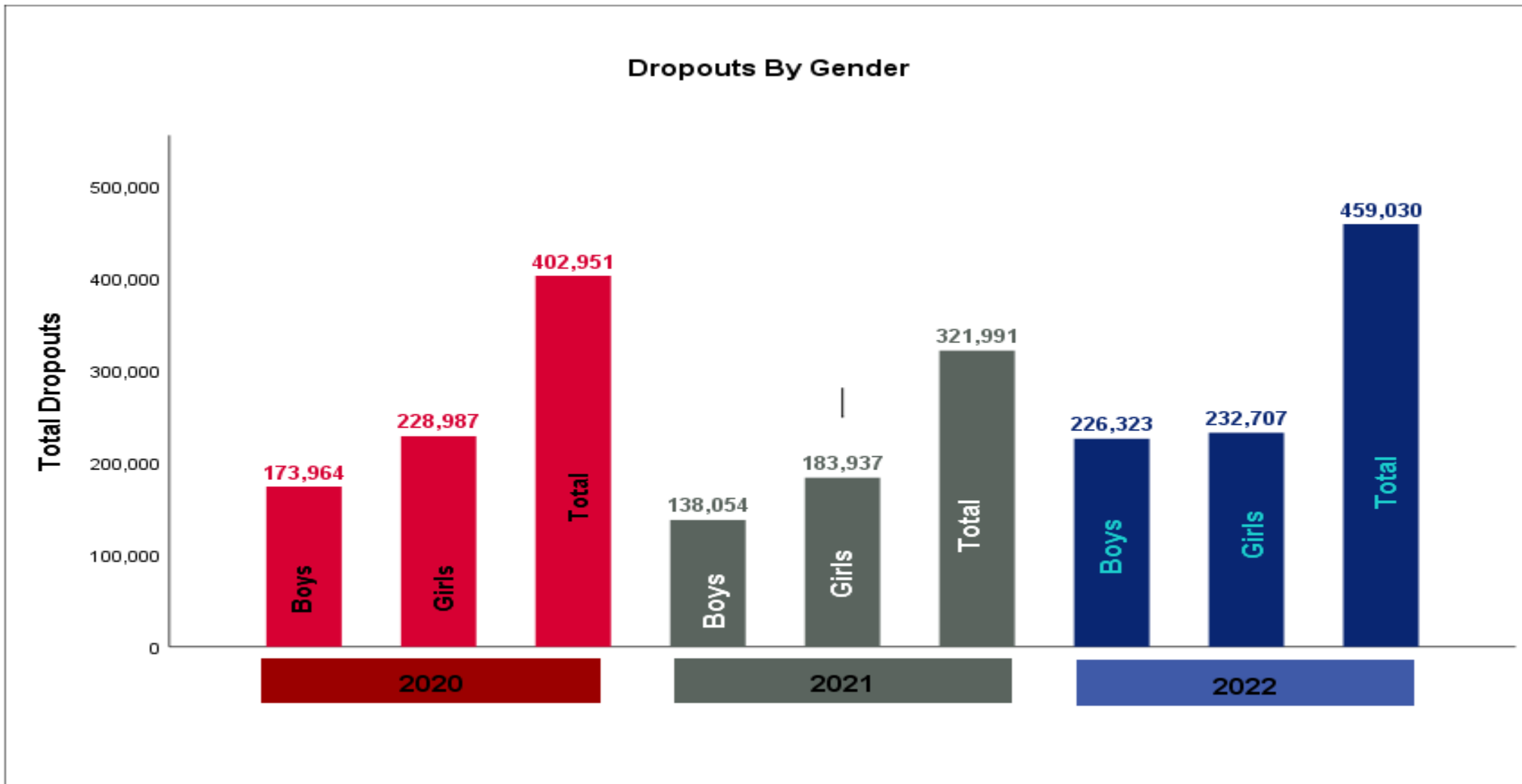


*Source: Education Monitoring Authority Khyber Pakhtunkhwa.*

## PER STUDENT COST & NO OF SCHOOLS

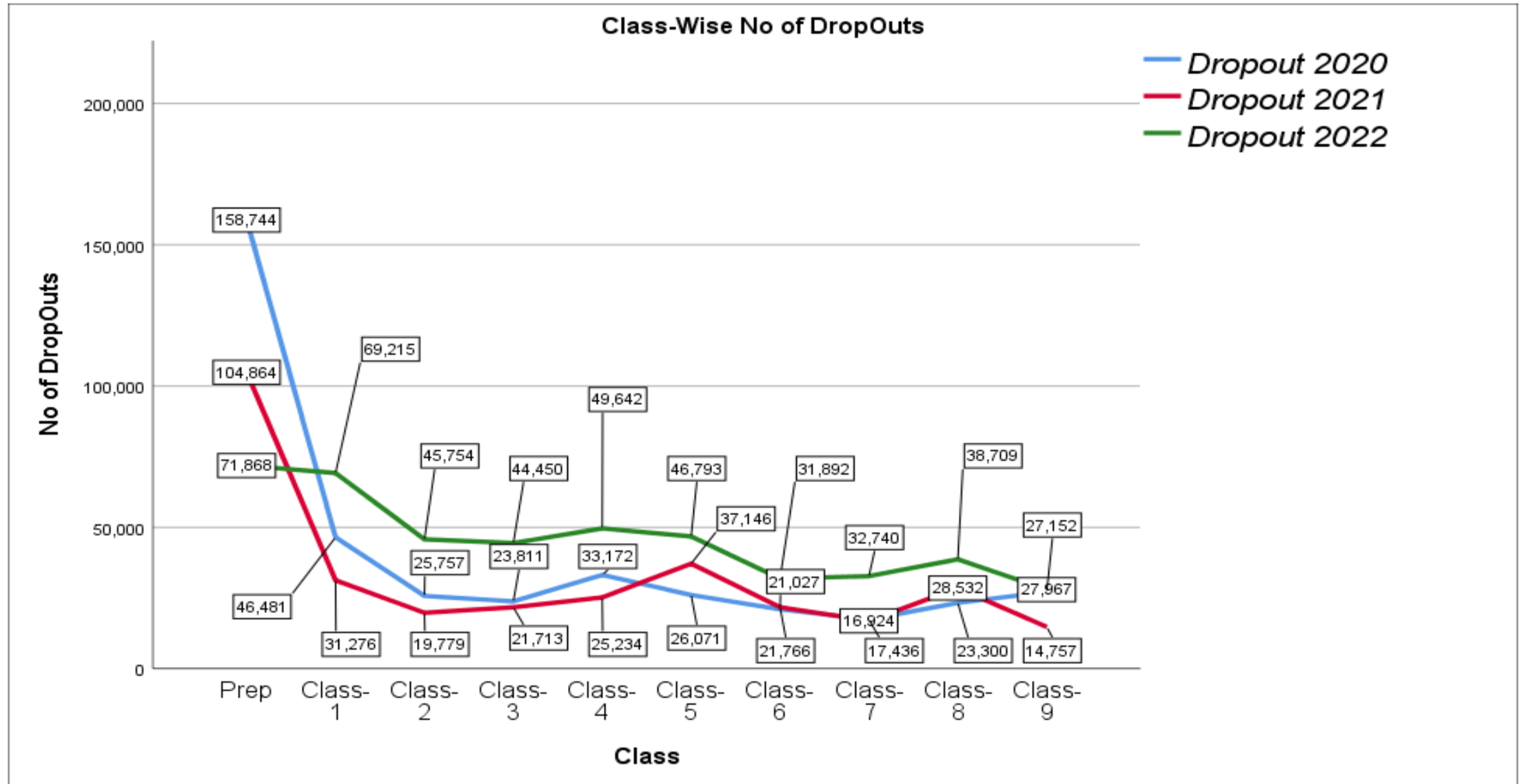


*Source: Education Monitoring Authority Khyber Pakhtunkhwa.*



**Note: These dropouts calculated from Class Prep to Class 10**





**Note: These dropouts calculated from Class Prep to Class 10**

# IMPROVEMENT IN KPIS (SETTLED DISTRICTS)

KPI	March – 2014	Present (2023)
Non Functional Schools	441 (1.8%)	194 (0.6%)
Temporary Closed Schools	1,394 (5.6%)	379 (2%)
Wholly Occupied	61 (0.25%)	8 (0.02%)
Teacher Absenteeism	21,181 (19%)	17,227 (9.7%)
Un-authorized Teacher Absenteeism	4,450 (4.5%)	1,676 (0.9%)
Enrollment Attendance Gap	1,597,673 (48 %)	734,361 (14%)
Electricity Non-Availability	8,760 (38%)	2,207(8%)
Water Non-Availability	6,211 (27%)	934 (6%)
Toilet Non-Availability	3,117 (13%)	1,257 (5%)
Boundary wall Non-Availability	3,860 (17%)	1,863 (7%)

## OTHER MAJOR ACTIVITIES

- School Improvement Plan (SIP) in 2016 - First step towards data-based planning
  - Rs. 27 billions allocated on the basis of SIP data
- Conditional Grant Monitoring (CG)
- Teacher Incentive Program (TIP) Calculation 2016, 2017, 2018, 2019 & 2021
- ERRA/PERRA picture activity (Oct - Nov 2021) – 98 Schools
- HRMIS verification – Oct 2021
- Shelter-less Schools survey – 331 Schools
- Examination Halls Monitoring (July – August 2021) - For All boards

- Double Shift Schools' Monitoring – 1,377 Schools
- Development of geo-info pictorial database (2021), 70k+ school pics along with coordinates
- Rationalization of textbooks demand for KPTBB
- Independent Price Reporting at Tehsil Level (CM's & CS's Directives)
- Identification of schools with electric poles & electric wires (11,000 KV) within school's premises (Completed in Mardan)
- Flood damage Assessment

# Conclusion

- **CONSOLIDATION**

- Further cross departmental studies be conducted, including the regulatory departments

- **EXPANSION**

- Should EMA activities be extended to and data collected from Private Schools, Technical & Vocational Institutes, Universities and Madaris?
- Should focus be shifted towards tracing a child's educational career?

THANK YOU