

EdTech Survey Insights

2023–24 Annual Technology Survey
Bre Urness-Straight

Updated 12/27/2024



Washington Office of Superintendent of
PUBLIC INSTRUCTION

Background

- Survey was sent to designated Tech Directors in 304 WA districts in spring of 2024
 - Those in the role of “designated Tech Director” include directors of technology, technology coordinators, EdTech coordinators, superintendents, teachers, etc.
 - This data is from responses submitted by designated Tech Directors
- Total response rate: 88% (267 districts)
 - Urban district response rate: 95%
 - Rural district response rate: 85%
 - Percent of respondents that are rural districts: 66%
- Designation of WA school districts: 69% rural, 31% urban

Technology Survey Insights

- Substantial device replacement cycle planning is underway
- Funding is a top concern with the majority of districts depending on Local funding (EP&O/technology/capital levee or bond) for device replacement
- Cybersecurity is a top priority, with student data privacy and Artificial Intelligence (AI) next



District Tech Directors

12%

**Acting district tech directors
with 100% of their time
dedicated to tech director role**

35%

**Acting district tech directors with
less than 50% of their time
dedicated to tech director role**

Acting district tech directors include directors of technology, technology coordinators, EdTech coordinators, superintendents, teachers, etc.

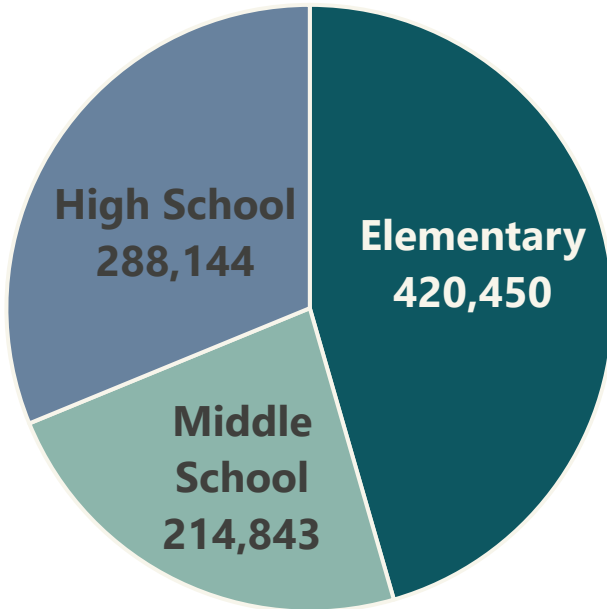




Device Replacement

1:1 Device Replacement Numbers & Cost

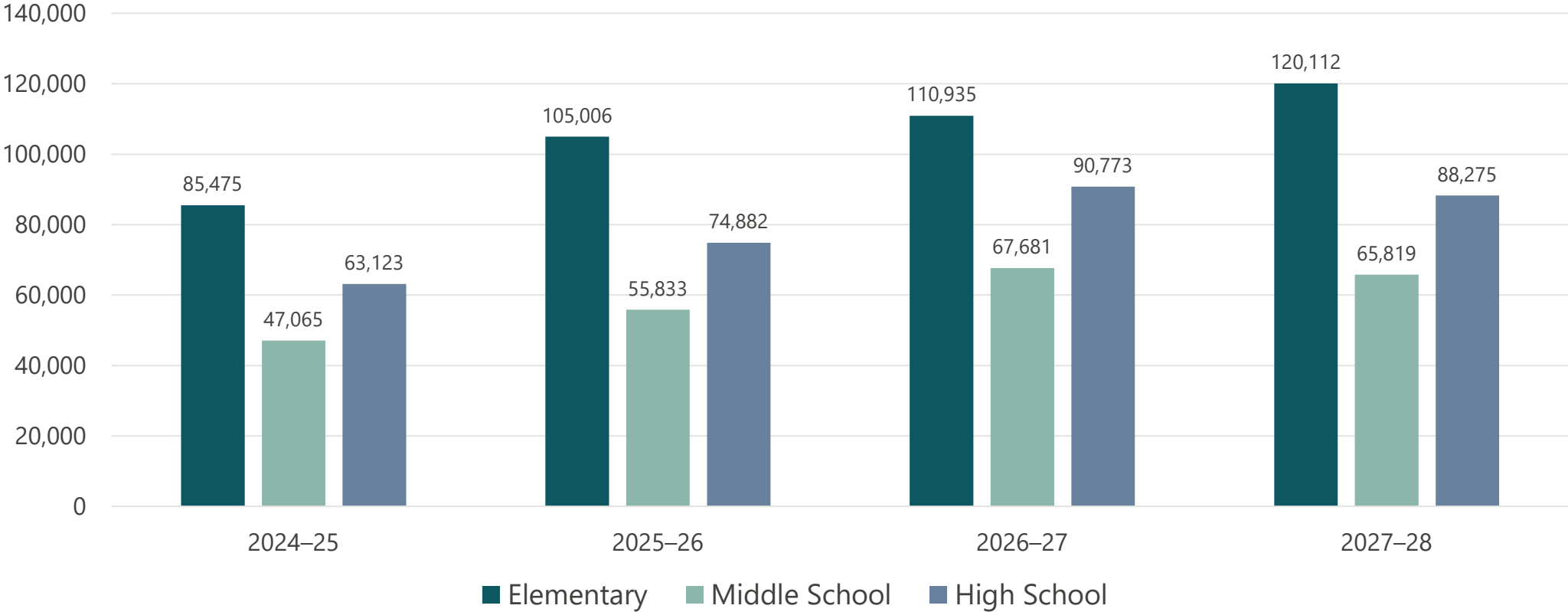
Estimated 1:1 Devices 2023–24
Total: 923,437



Calculated Replacement Cycle	1:1 Devices Needing Replacement	Estimated Cost (based on \$450/device)
2024–25	195,663	\$88,048,272
2025–26	235,721	\$106,074,598
2026–27	269,389	\$121,224,904
2027–28	274,206	\$123,392,876
4-year Total	974,979	<u>\$438,740,650</u>

1:1 Device Planned Replacement

Estimates of 1:1 Device Replacement Cycle Numbers

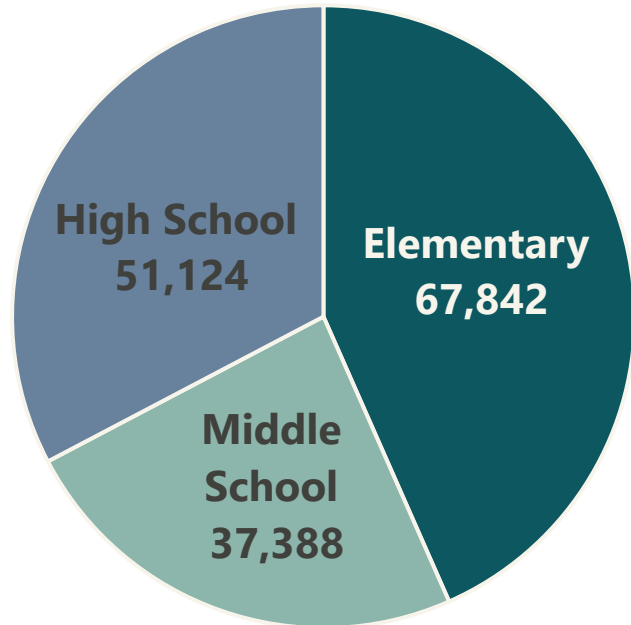




Rural Device Replacement

Rural 1:1 Device Replacement Numbers & Cost

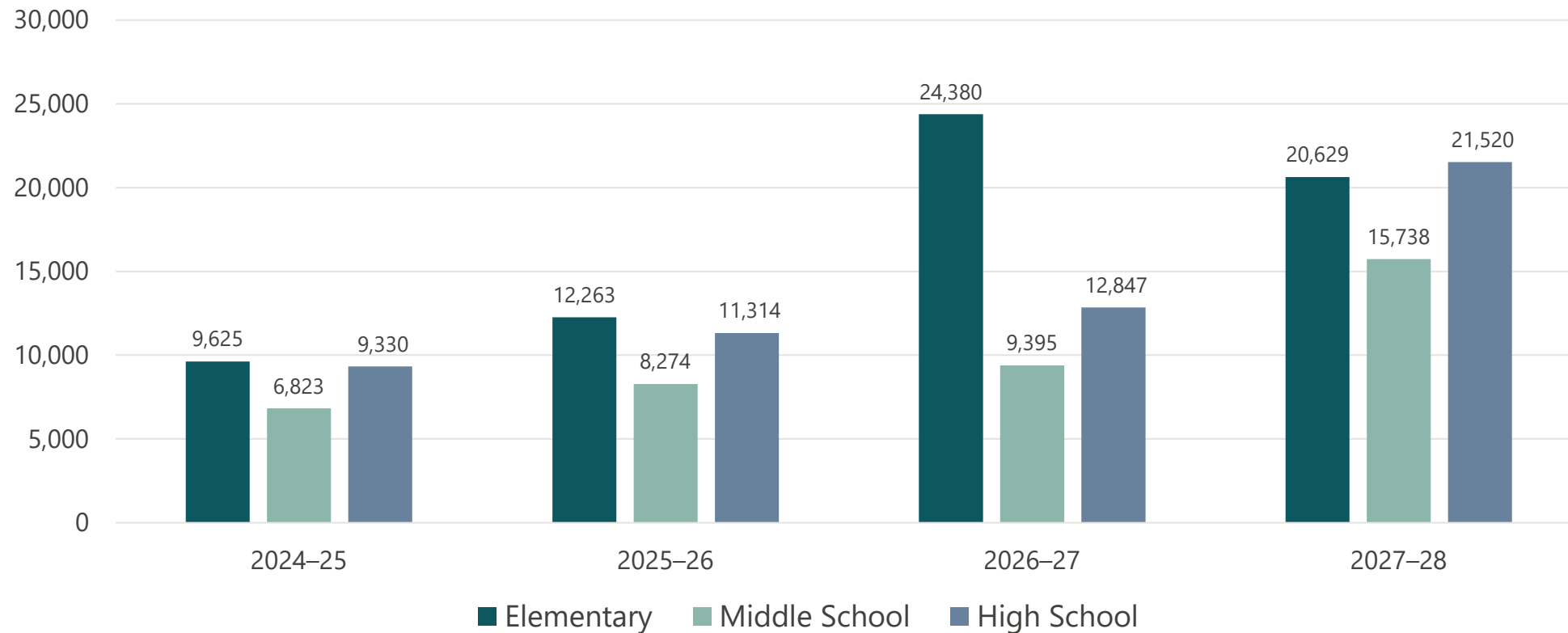
Estimated Rural 1:1 Devices 2023–24
Total: 156,354



Calculated Replacement Cycle	Rural 1:1 Devices Needing Replacement	Estimated Cost (based on \$450/device)
2024–25	25,778	\$11,599,968
2025–26	31,851	\$14,332,855
2026–27	46,622	\$20,979,736
2027–28	57,887	\$26,049,147
4-year Total	162,37	<u>\$72,961,706</u>

Rural 1:1 Device Planned Replacement

Estimates of Rural 1:1 Device Replacement Cycle Numbers



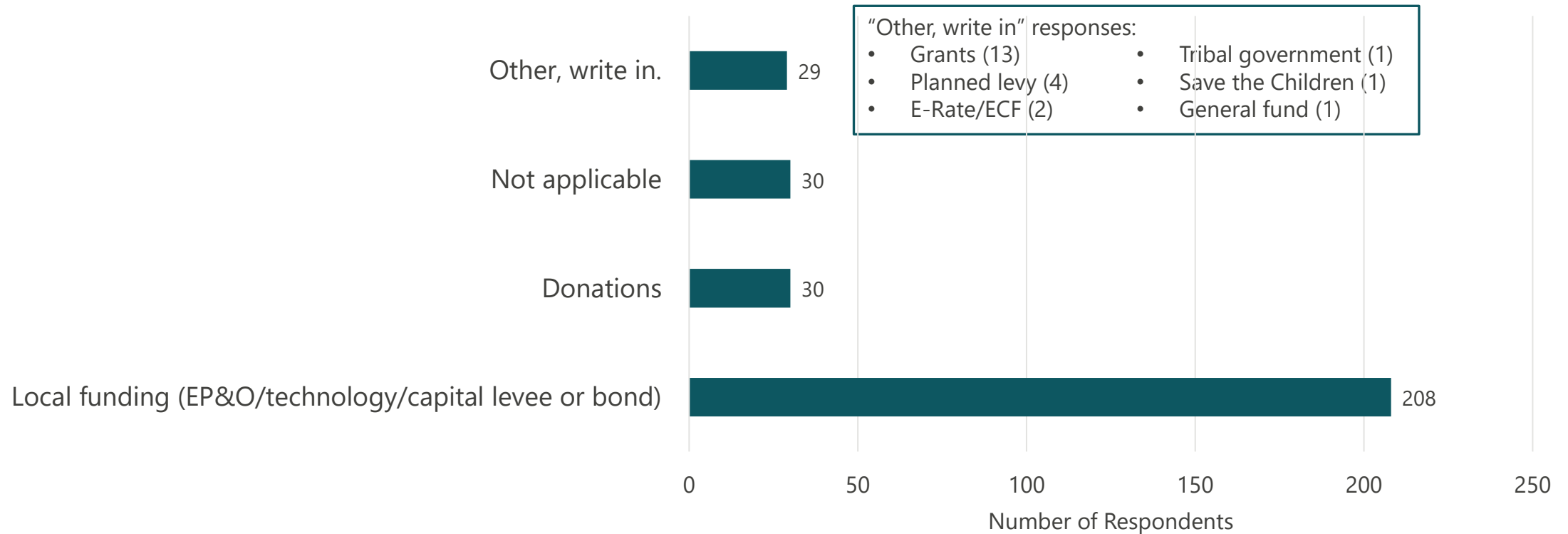
1:1 Funding Concern, Ranked 0-5

To what degree is your district concerned about the funding for your district's 1:1 device replacement cycle?



Funding Sources Identified

Outside of federal and state funds, what are other sources utilized to fund device purchases in your district?

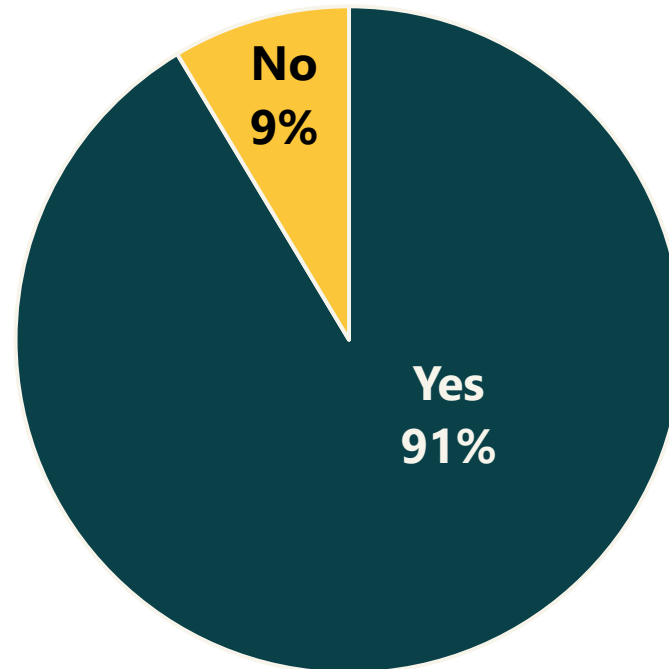




1:1 Device Programs

1:1 Programs

Does your district have a 1:1 device program?

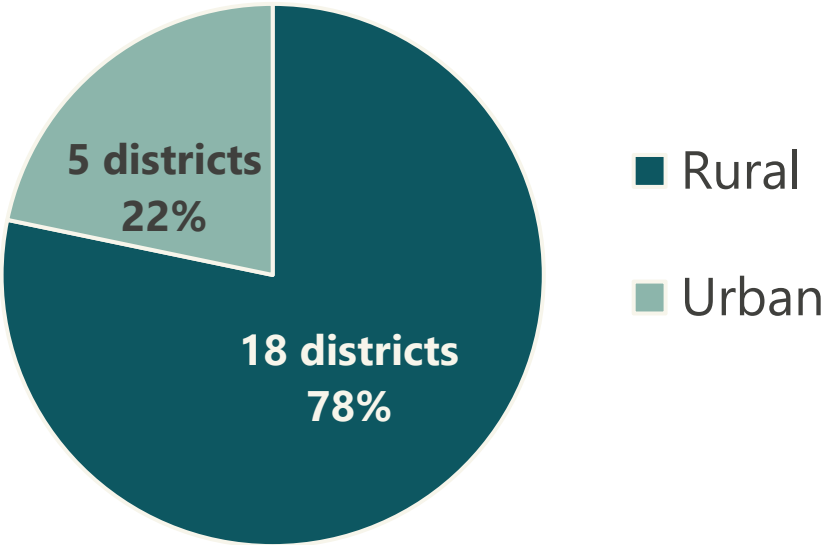


Of 267 respondents, 23 districts responded that they do not have a 1:1 program in place.

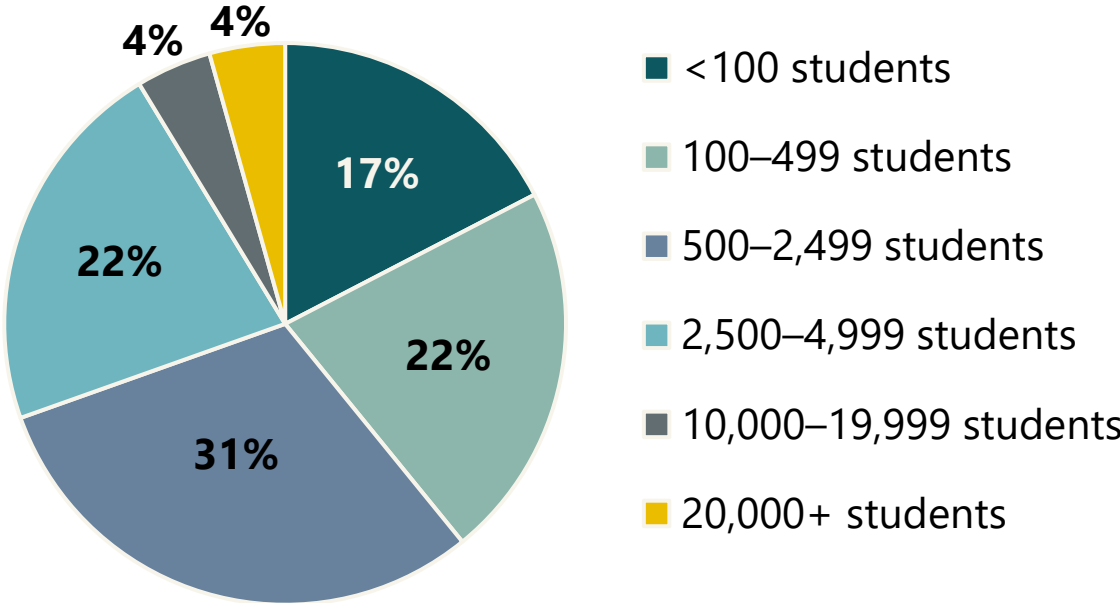


Districts Without 1:1 Programs

Districts Without 1:1 Device Program



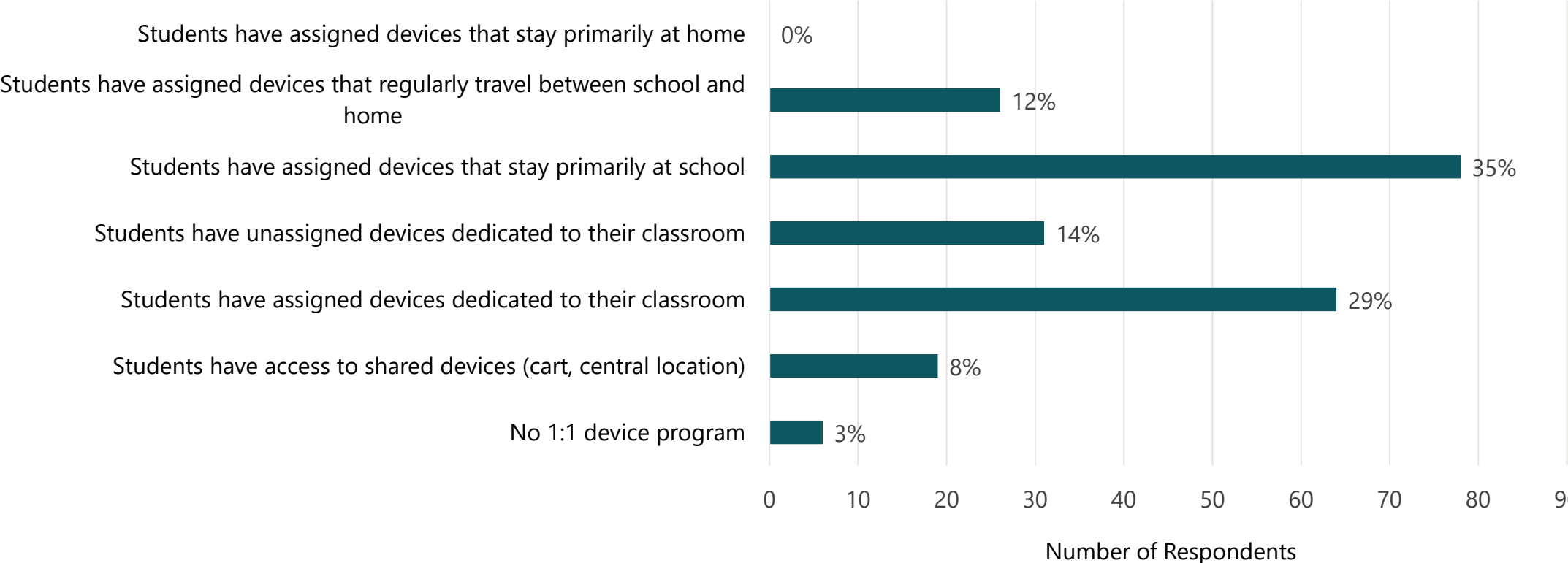
District Size with No 1:1 Device Program



Of 267 respondents, 23 districts responded that they do not have a 1:1 program in place.

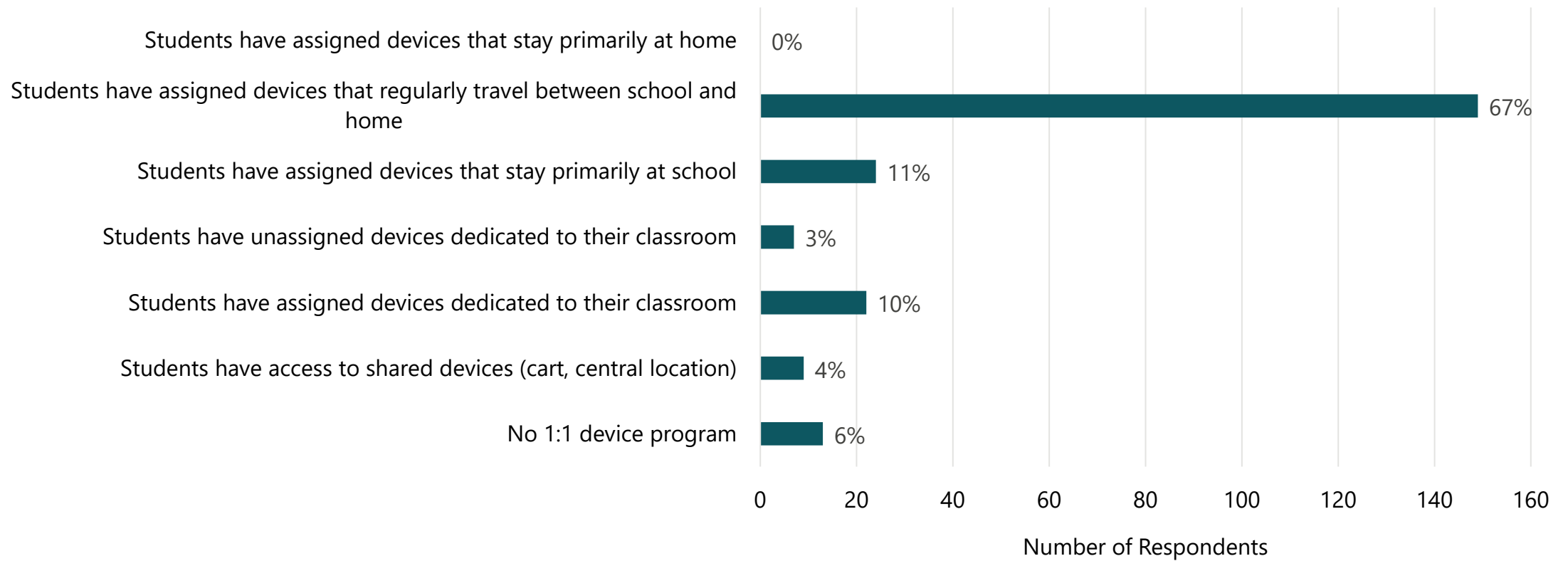
Elementary 1:1 Programs

Which option best describes your district's definition of 1:1 device program for **ELEMENTARY** students?



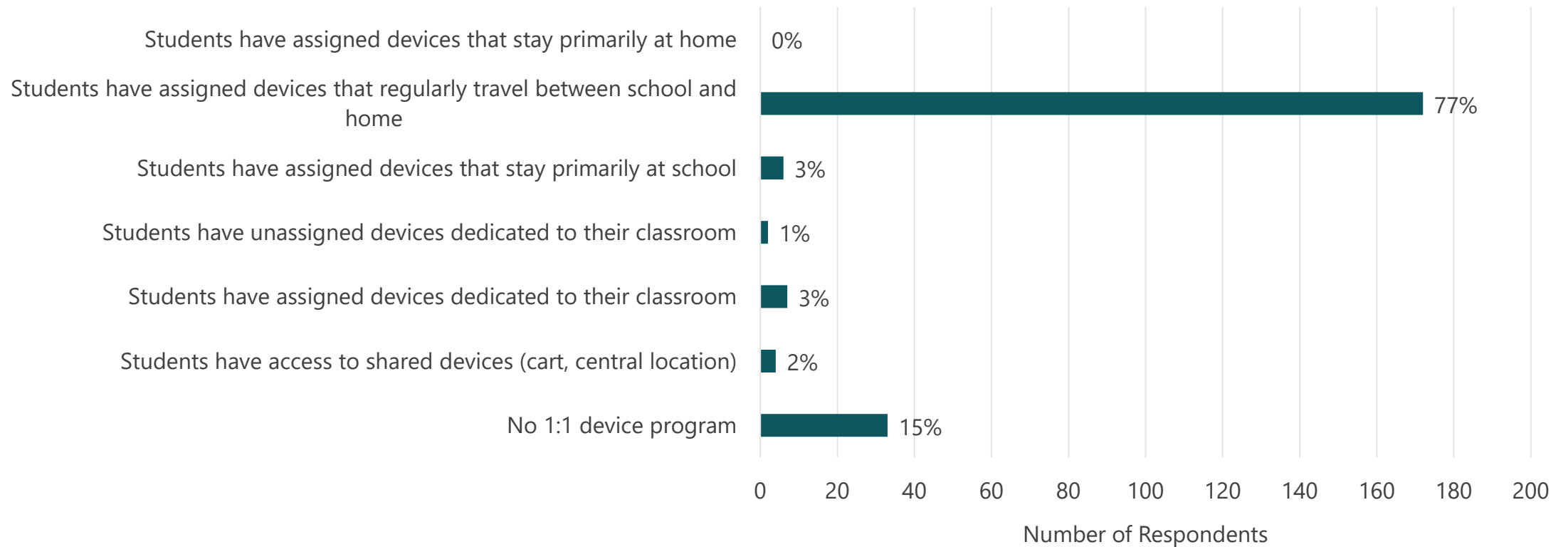
Middle School 1:1 Programs

Which option best describes your district's definition of 1:1 device program for **MIDDLE SCHOOL** students?



High School 1:1 Programs

Which option best describes your district's definition of 1:1 device program for **HIGH SCHOOL** students?





EdTech Challenges

District-Level FTEs Dedicated to Technical Support

5.67

**Average District-Level FTEs
Dedicated to Technical Support**

27%

**Districts Reporting <1.0 District-Level FTEs
Dedicated to Technical Support**



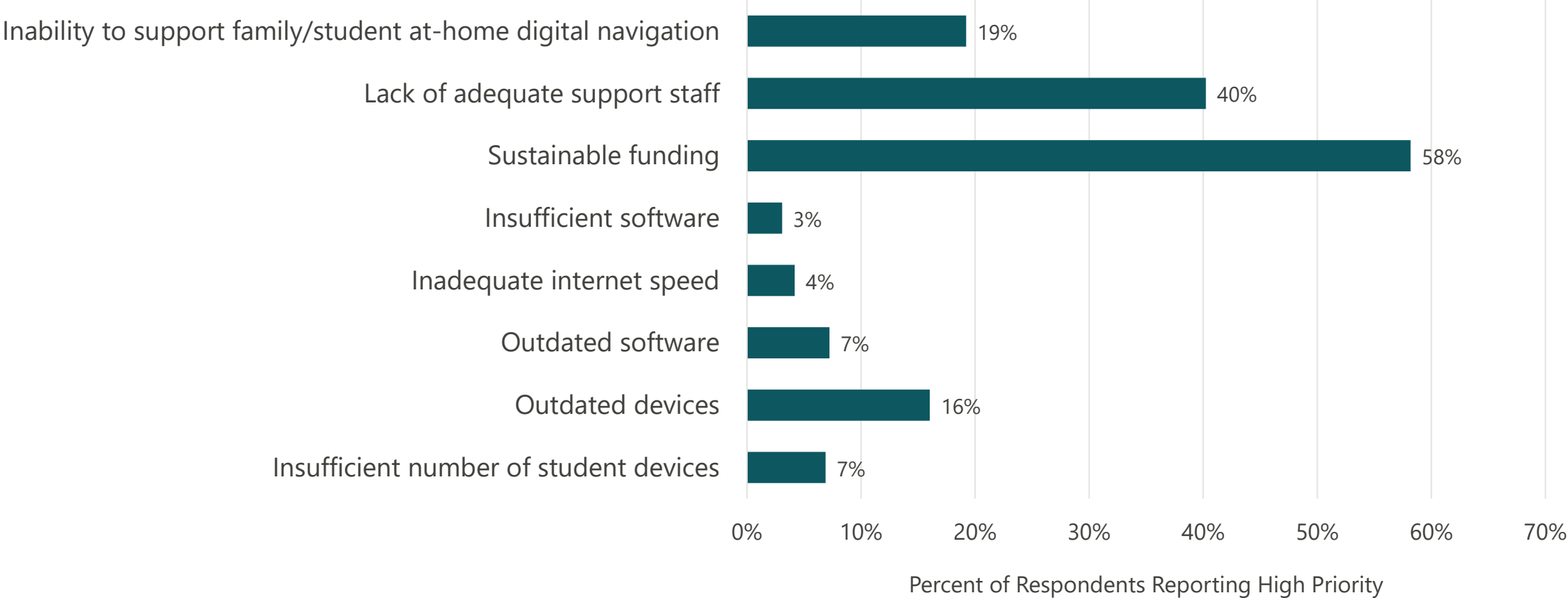
**Of these districts, 24% provide stipends
to individuals at the building level to
provide technical support.**



District EdTech Challenges

*From the perspective of designated tech directors

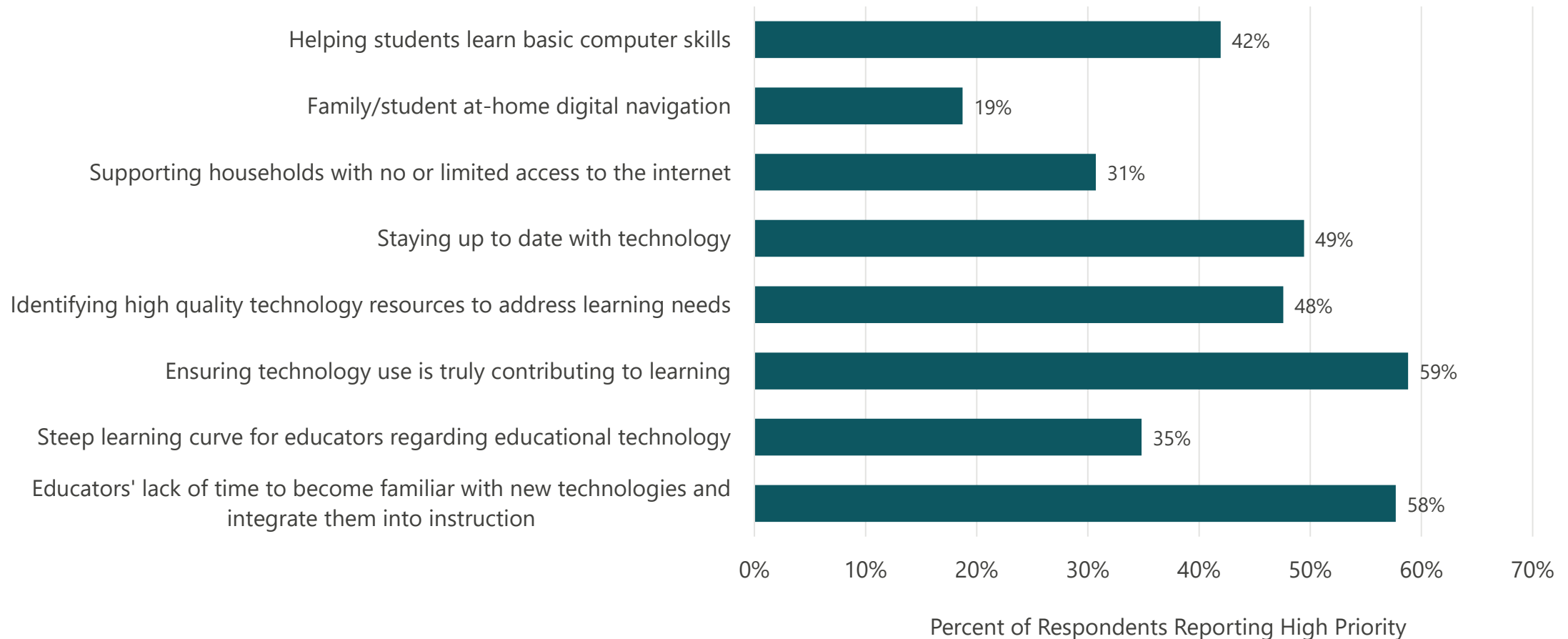
To what degree are the following challenges present in your district this school year?



Educator EdTech Challenges

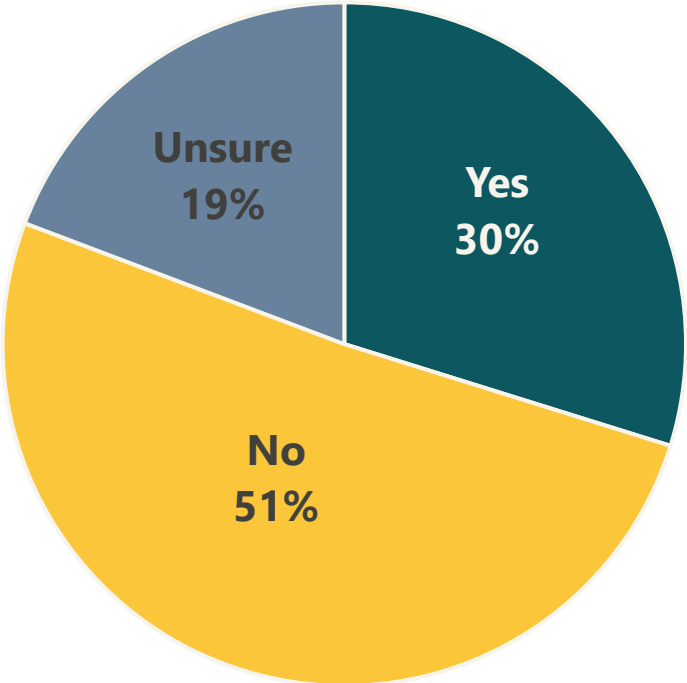
*From the perspective of designated tech directors

Highest Priority EdTech Challenges

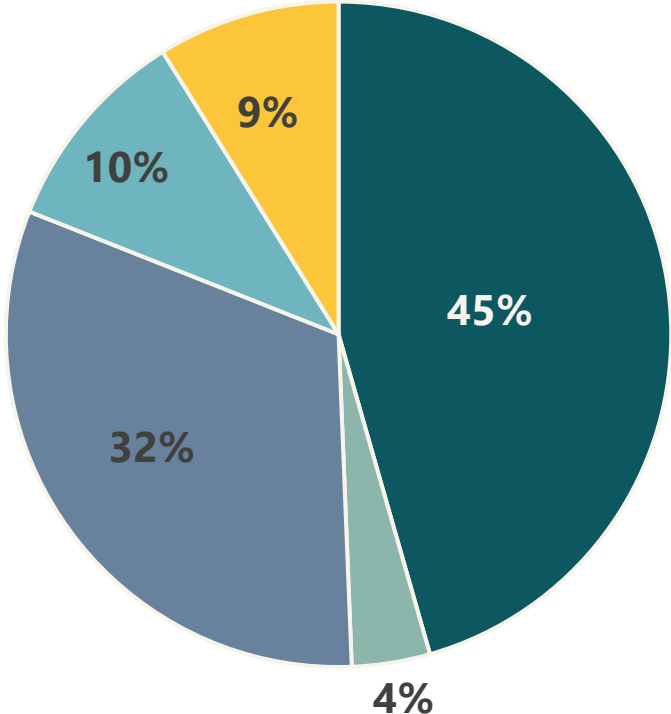


Home Access

Does your district track if students have or do not have home broadband access?



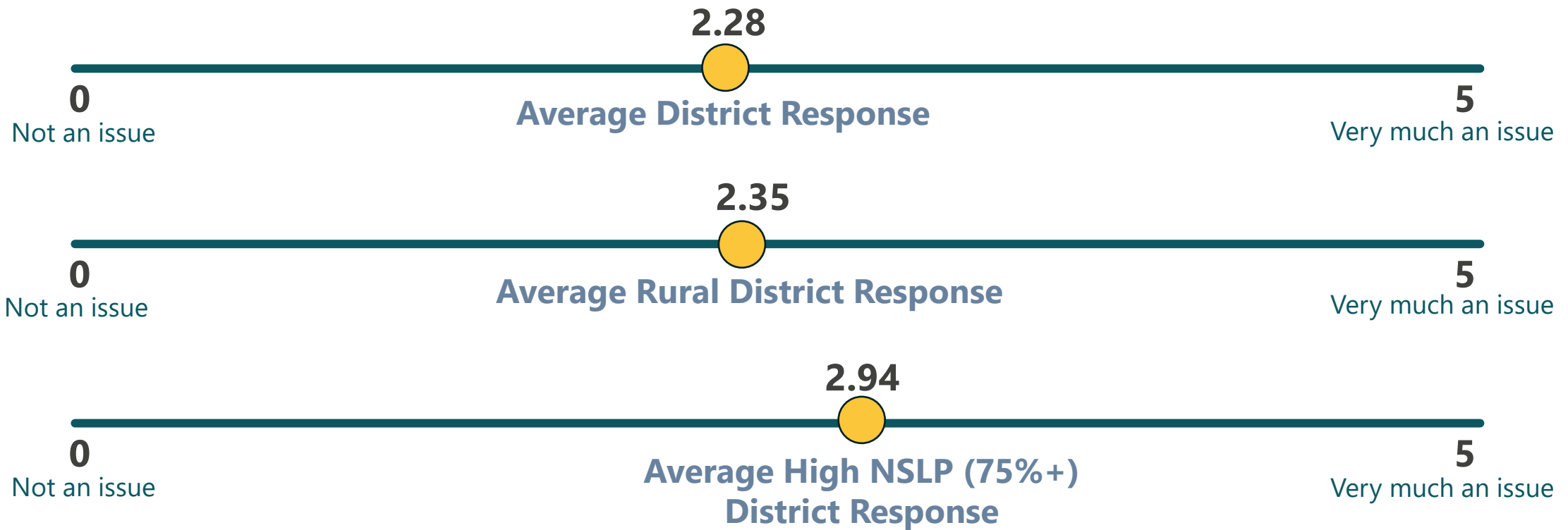
How does your district track home broadband access?



- Written/electronic parent survey
- Written/electronic student survey
- Request from student/family for assistance
- Andecdotal accounts
- Other, write in.

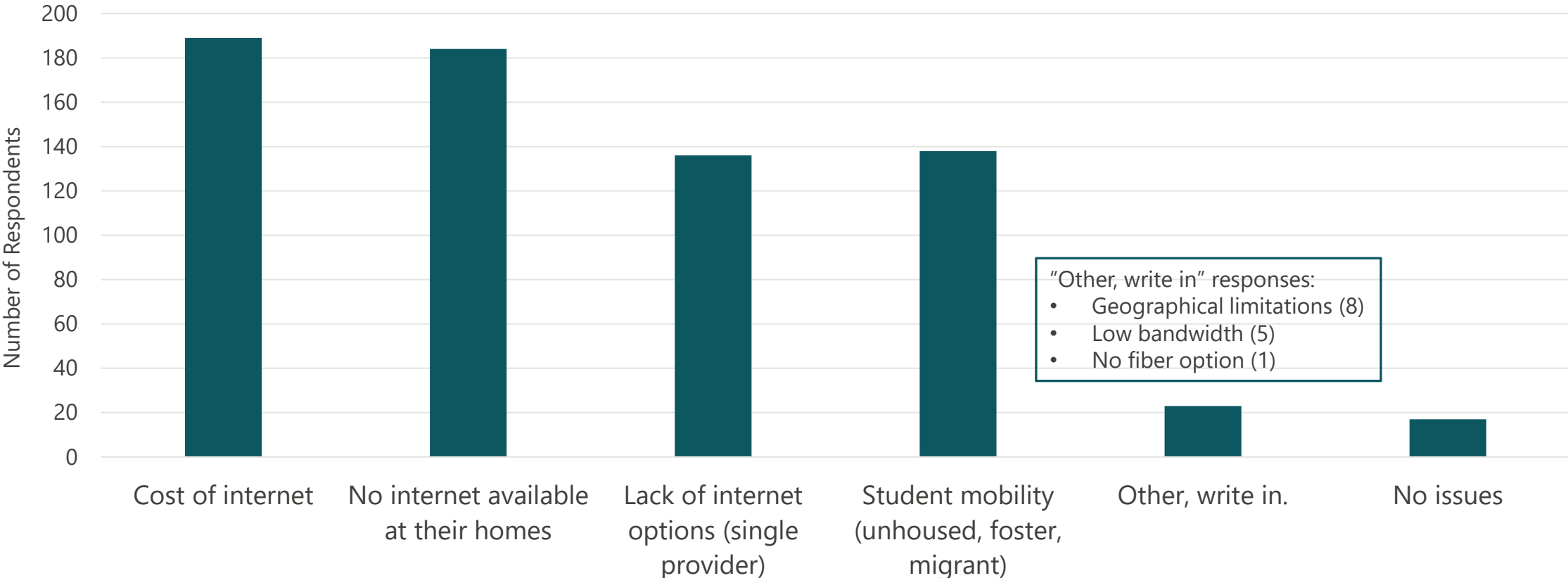
Home Internet Access Concern, Ranked 0-5

To what degree is internet access an issue for students in your district?



Main Internet Issues Identified

If internet is a concern for students in your district, what are the main issues?



EdTech Standards & Tech Plans

	All Districts	Rural Districts	High NSLP (75%+) Districts
Have formally adopted EdTech standards for <u>STUDENTS</u>	46%	44%	43%
Have formally adopted EdTech standards for <u>TEACHERS</u>	33%	31%	43%
Have adopted tech plans that are actively used/updated	45%	43%	47%

NETP Familiarity, Ranked 0-100

How familiar are you with the 2024 National Educational Technology Plan (NETP)?

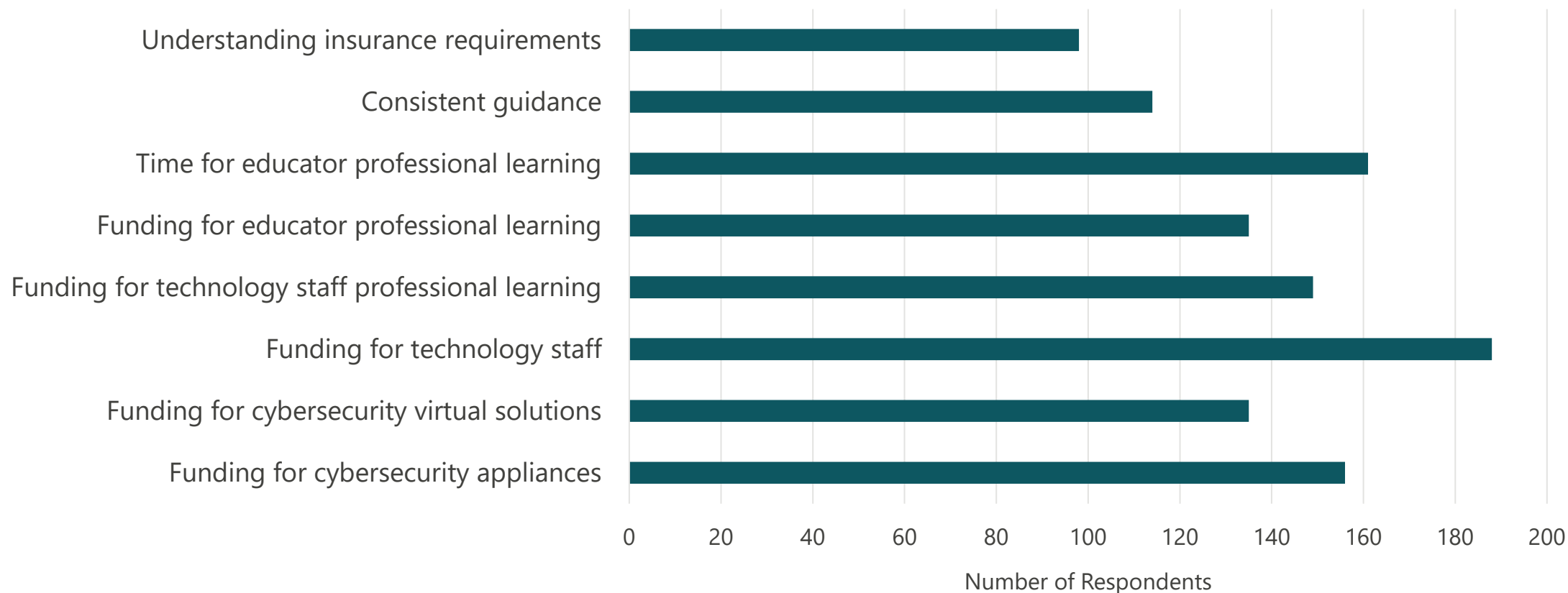




Cybersecurity

Greatest Cybersecurity Needs Identified

What are your district's greatest cybersecurity needs at this time?



FTEs Dedicated to Cybersecurity

0.36

**Average FTEs Dedicated to Cybersecurity
(88% of districts reporting)**

56%

**Districts Reporting 0 FTEs Dedicated to
Cybersecurity**



Cybersecurity Staffing Challenges

	All Districts	Rural Districts	High NSLP (75%+) Districts
Average FTEs dedicated to cybersecurity	0.36	0.25	0.28
Percent with 0 FTEs dedicated to cybersecurity	56%	61%	60%



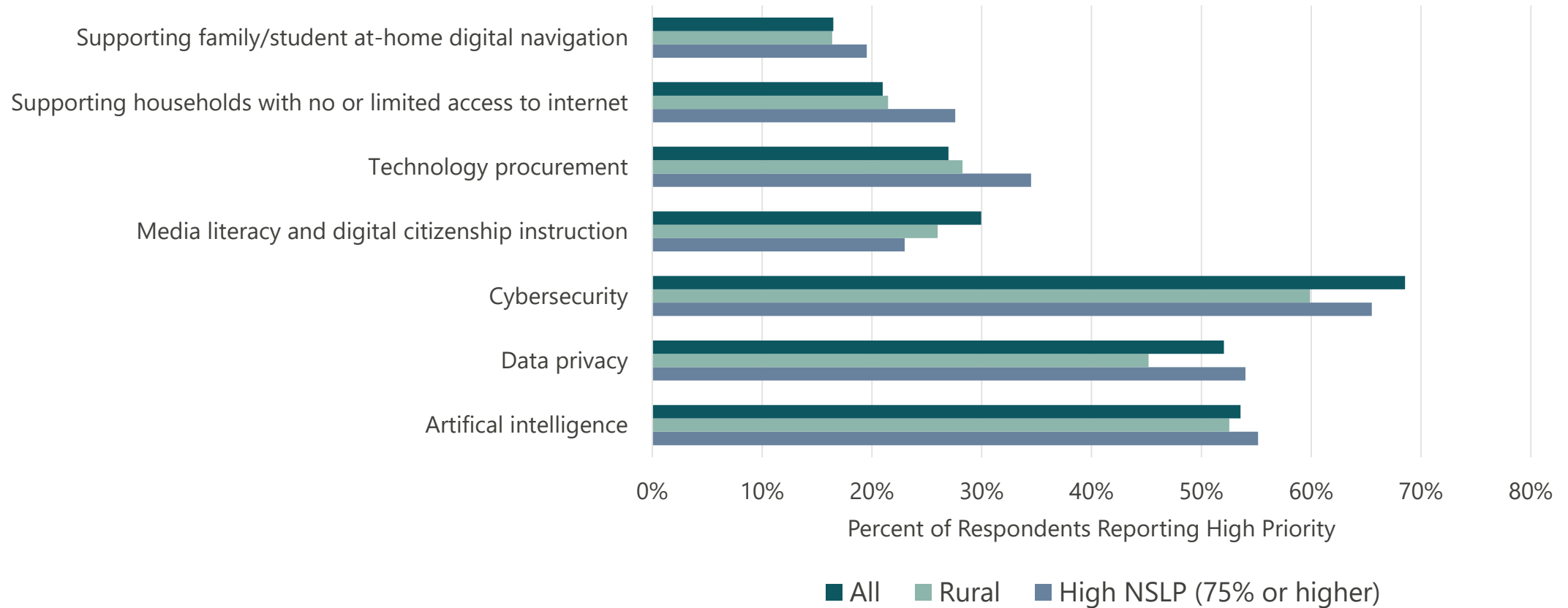


Professional Development

Tech Staff PD Priorities

*From the perspective of designated tech directors

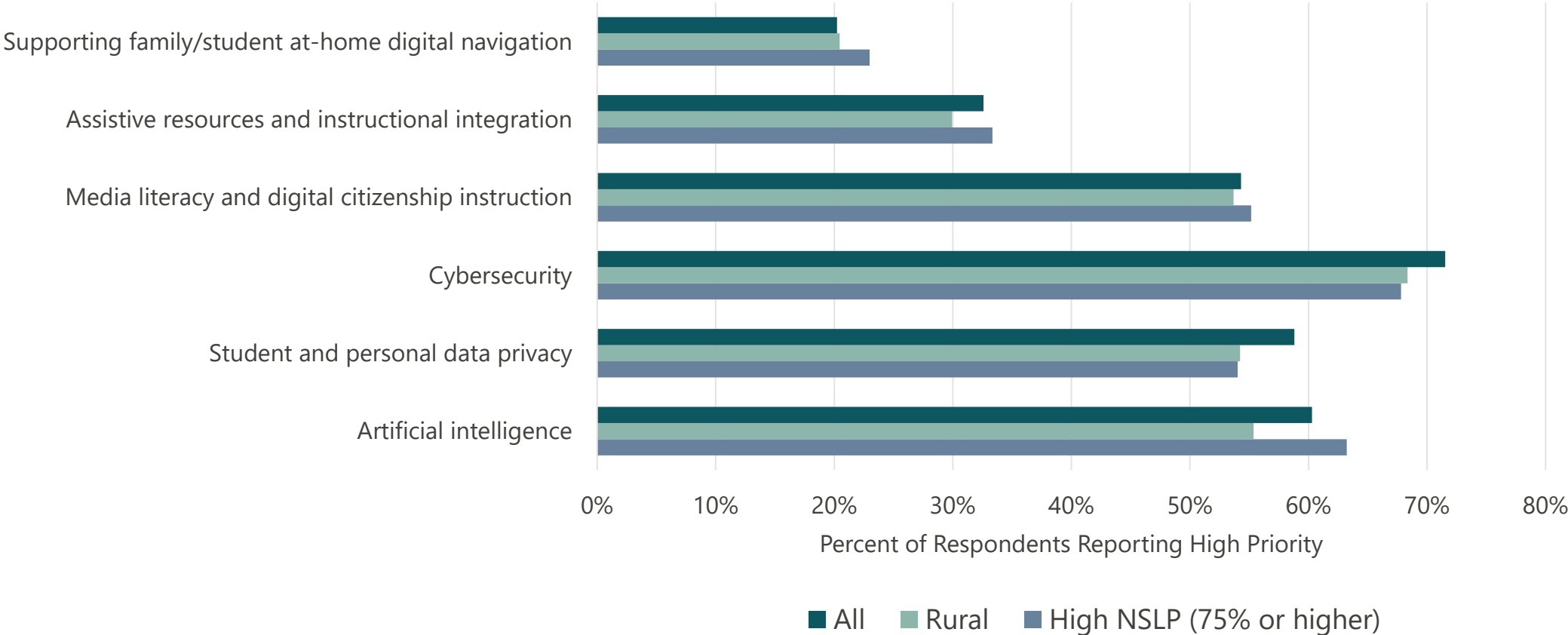
Highest Priority PD Topics for Tech Staff*



Educator Tech PD Priorities

*From the perspective of designated tech directors

Highest Priority Tech PD Topics for Educators*





AI Implementation

AI Integration, Ranked 0-5

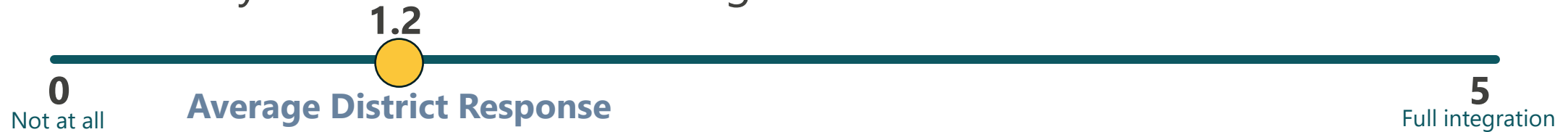
Where is your district with AI integration at the **district leadership level**?



Where is your district with AI **policy/procedure implementation**?



Where is your district with AI integration at the **classroom level**?



AI Integration, Ranked 0-5

AI Integration Ranked 0-5
(0 = not at all, 5 = full integration)

No district answered 5



Survey Key Takeaways

- There is a continued need to advocate on behalf of schools to support device replacement cycles with elementary requiring the largest numbers of devices, especially on behalf of districts unable to depend on EP&O/technology/capital levees or bonds being the hardest hit with maintaining 1:1 device programs.
- Top 3 Professional development priorities from the perspective of designated tech directors are cybersecurity, student data privacy, and AI



Survey Key Takeaways (continued)

- Cybersecurity is a priority across the state in areas of professional development and staffing and partnerships, such as with WaTech and the [Cybersecurity Grant](#) and with ESDs,
*Federal Cybersecurity Pilot Program will continue to be key.
- AI integration at all levels across the state is in its initial stages with many districts yet to adopt policies/procedures.

*Recommend applying with the caveat that preference is being given to rural districts.



2024 TechFest Session Feedback

Takeaways

- District level AI policy and procedure adoption/adaption is key to classroom integration and meaningful student use. (Districts do not need to completely rewrite policy. Only need to adapt policies/procedures to address new technology)
- Based on survey data and session feedback, it is likely we will see a regression to pre-pandemic device disbursement models due to lack of replacement cycle funds
- Rural districts perceive that only they are experiencing shortage of funding for cybersecurity resources (equipment and resources), staffing, technical training, and educator professional development (Reality is that ALL districts face a shortage of critical funding for cybersecurity needs)





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