

SURVEY RESEARCH

Print Security in Education, a refresh

PREPARED FOR
CANON SOLUTIONS AMERICA INC.

Report Background

Purpose

The Center for Digital Education was commissioned by Canon to field a survey to K-12 and higher education (HED) leadership community.

The purpose of this project was to refresh results taken from a 2016 Canon study as well as gain new insights into printing and cybersecurity.

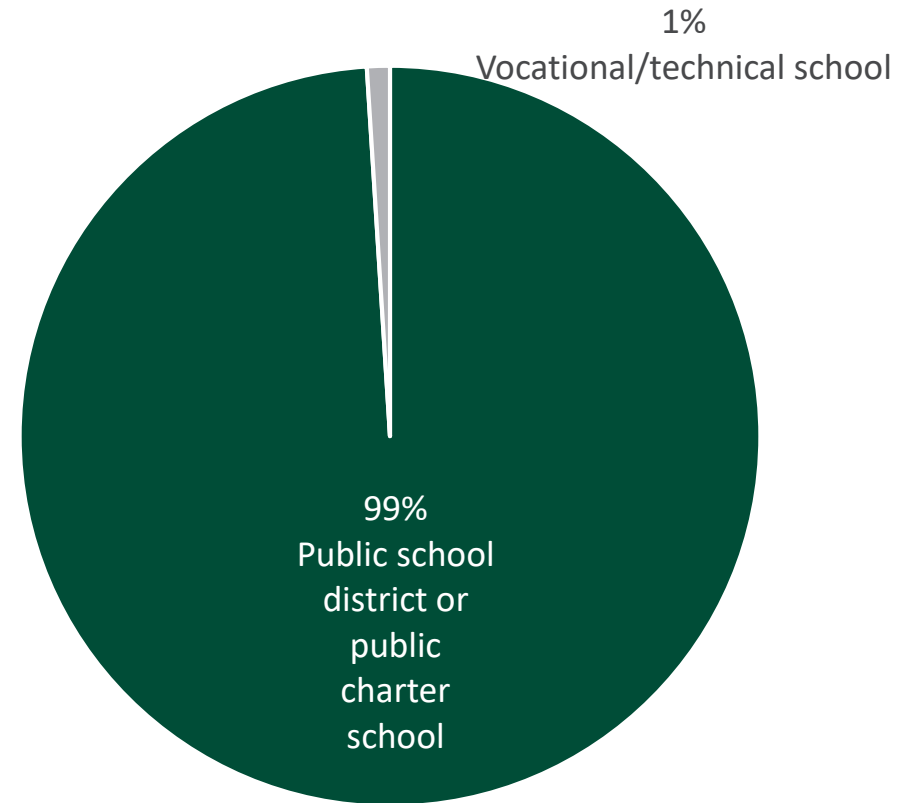
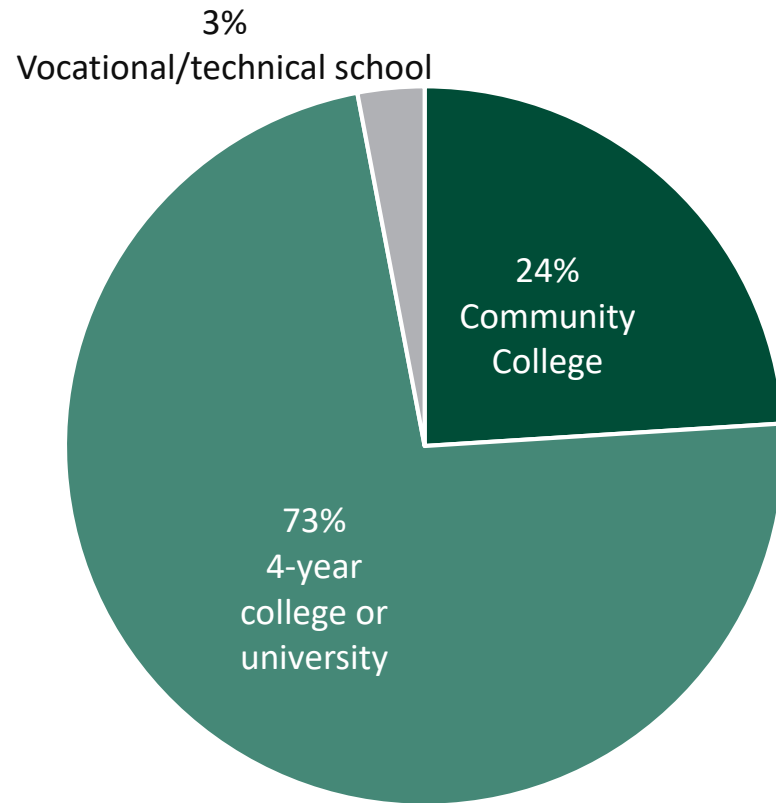
Methodology

The Center for Digital Education fielded the survey to K-12 and higher education technology and education leaders with a goal of 125 respondents.

The 22 survey questions were designed in partnership with Canon and yielded 155 responses, 77 (K-12) and 78 (HED).

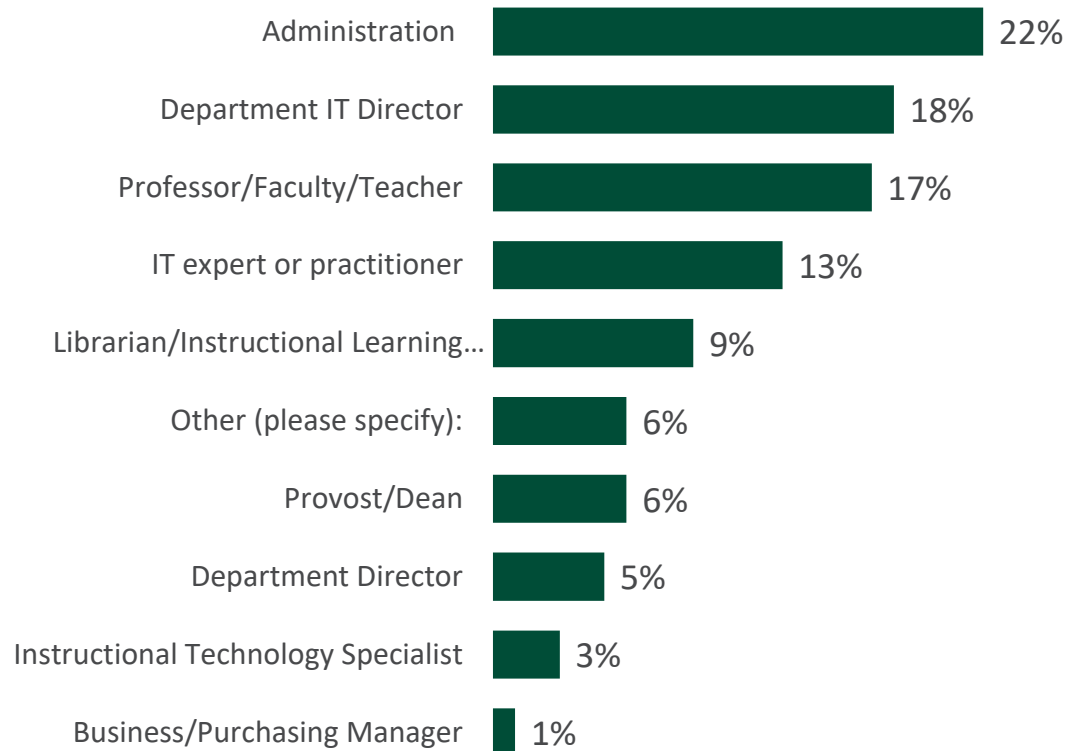
Responses were gathered in January-February 2019.

School/Institution Demographics

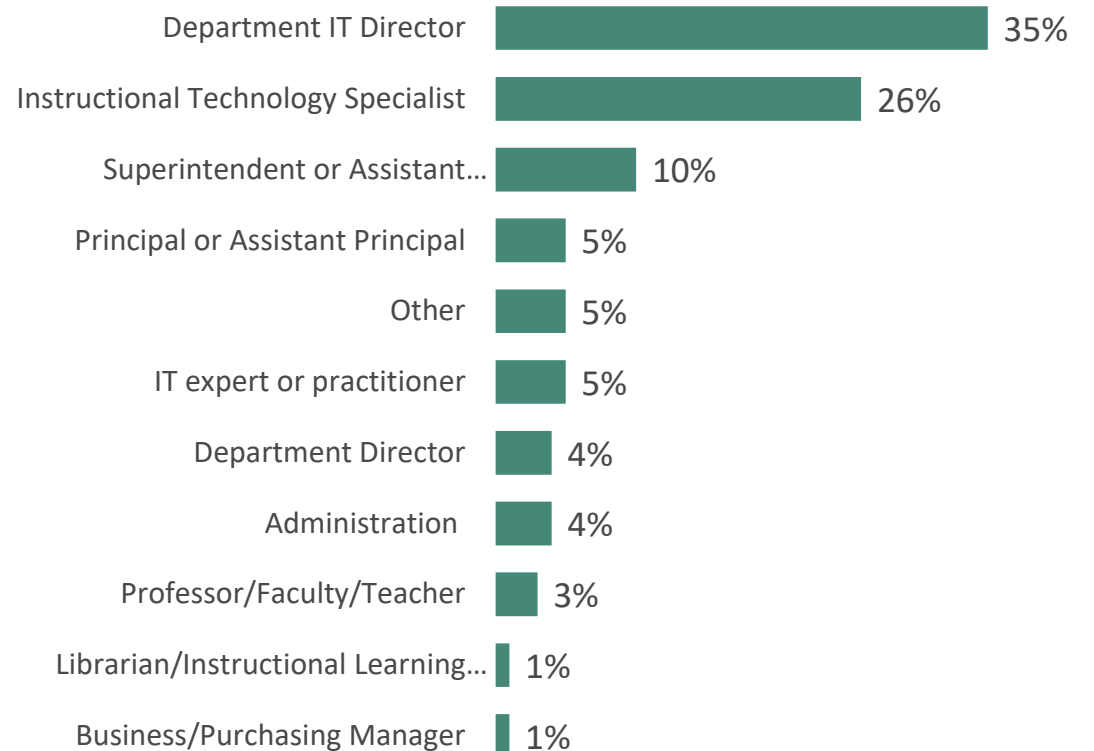


Respondent Job Roles

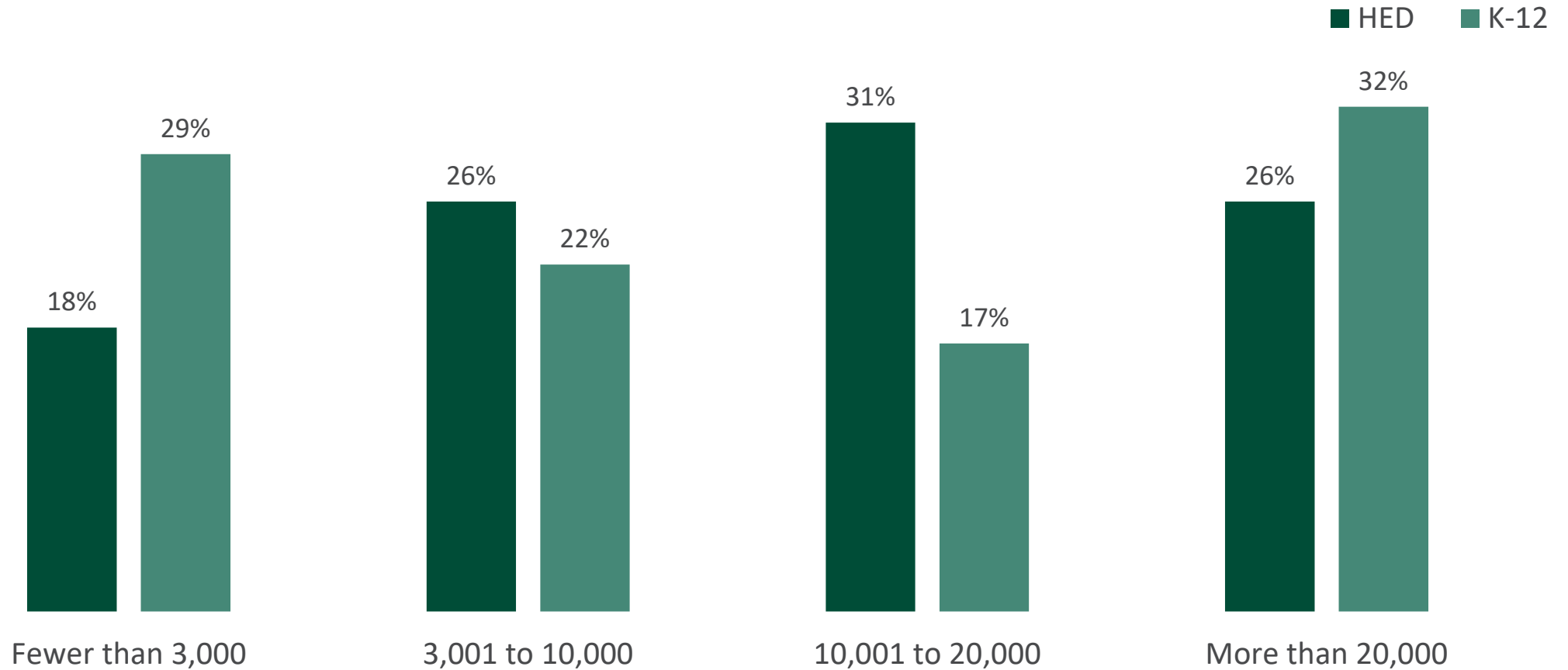
HED



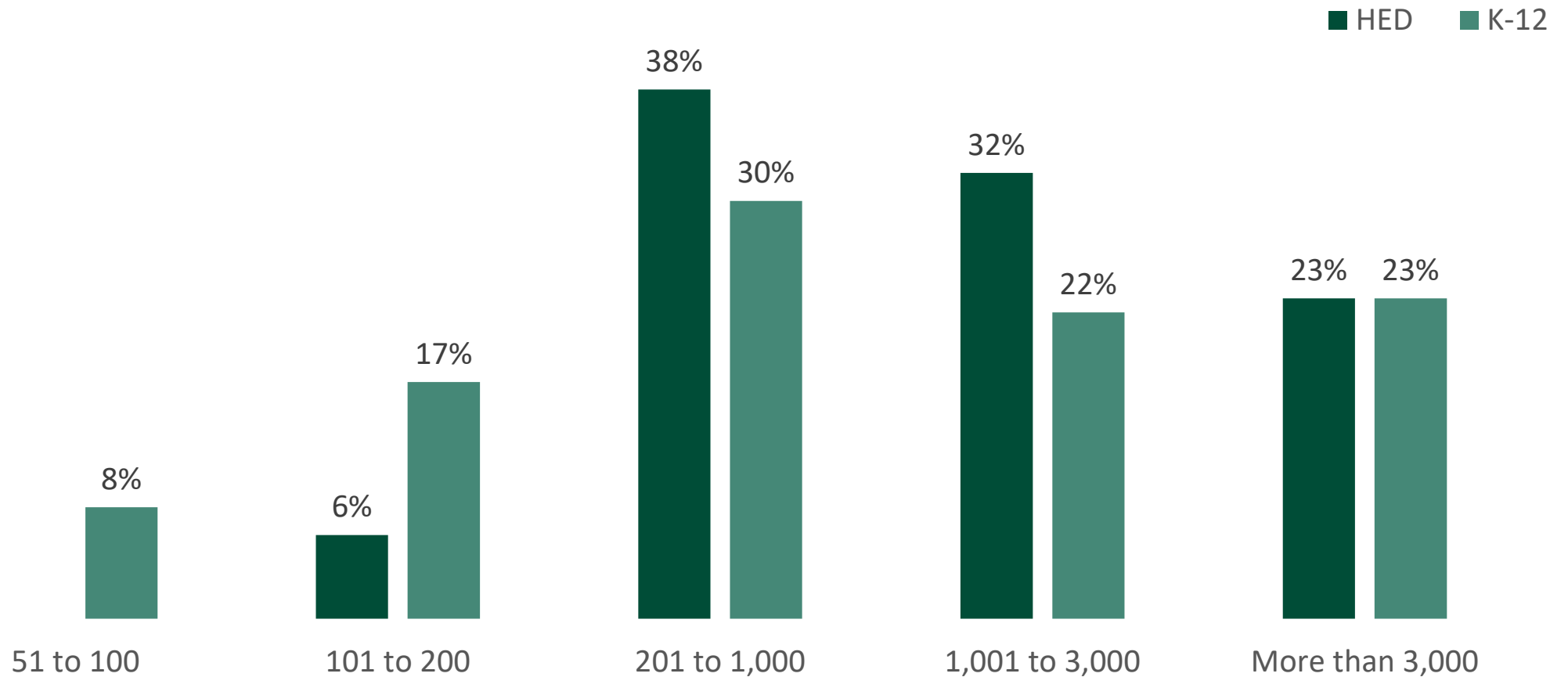
K-12



Student population breakdown



Institution/School District Employee Size



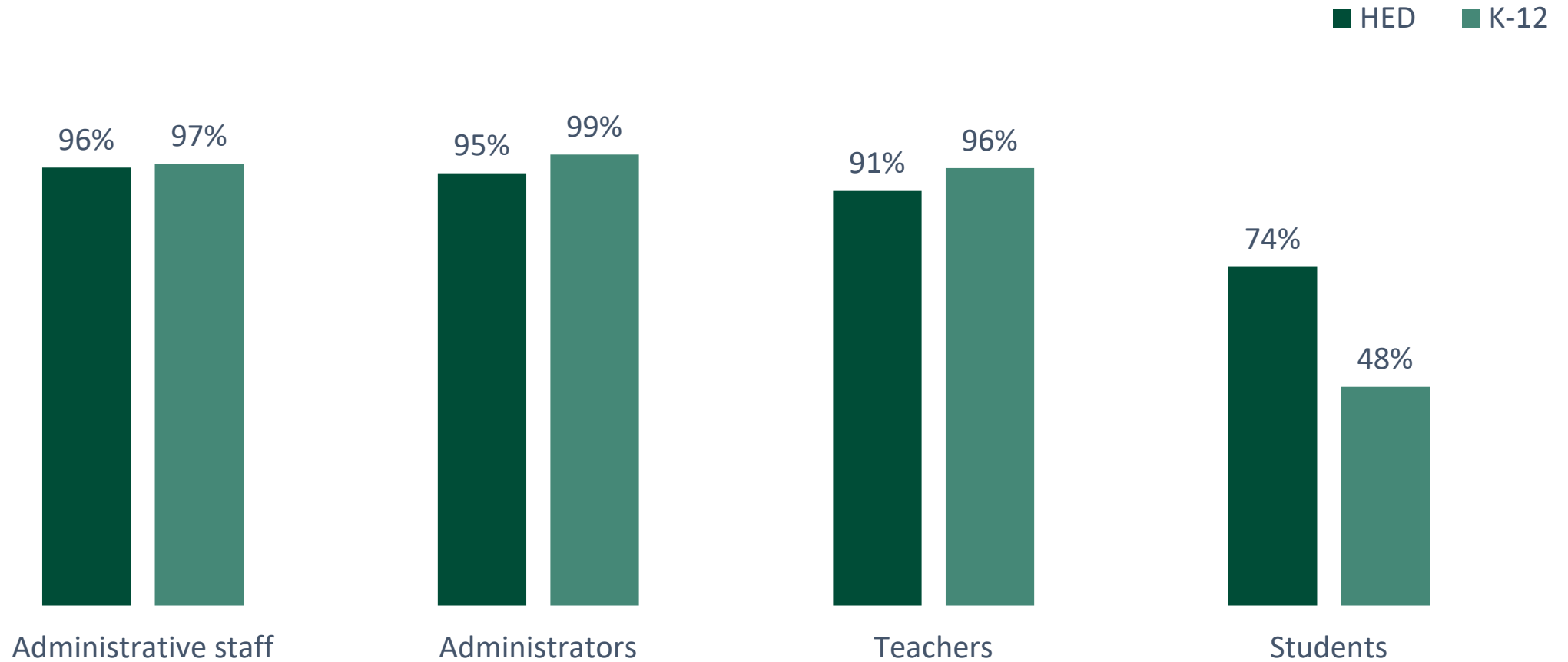


Printer Usage and Modernization in Education

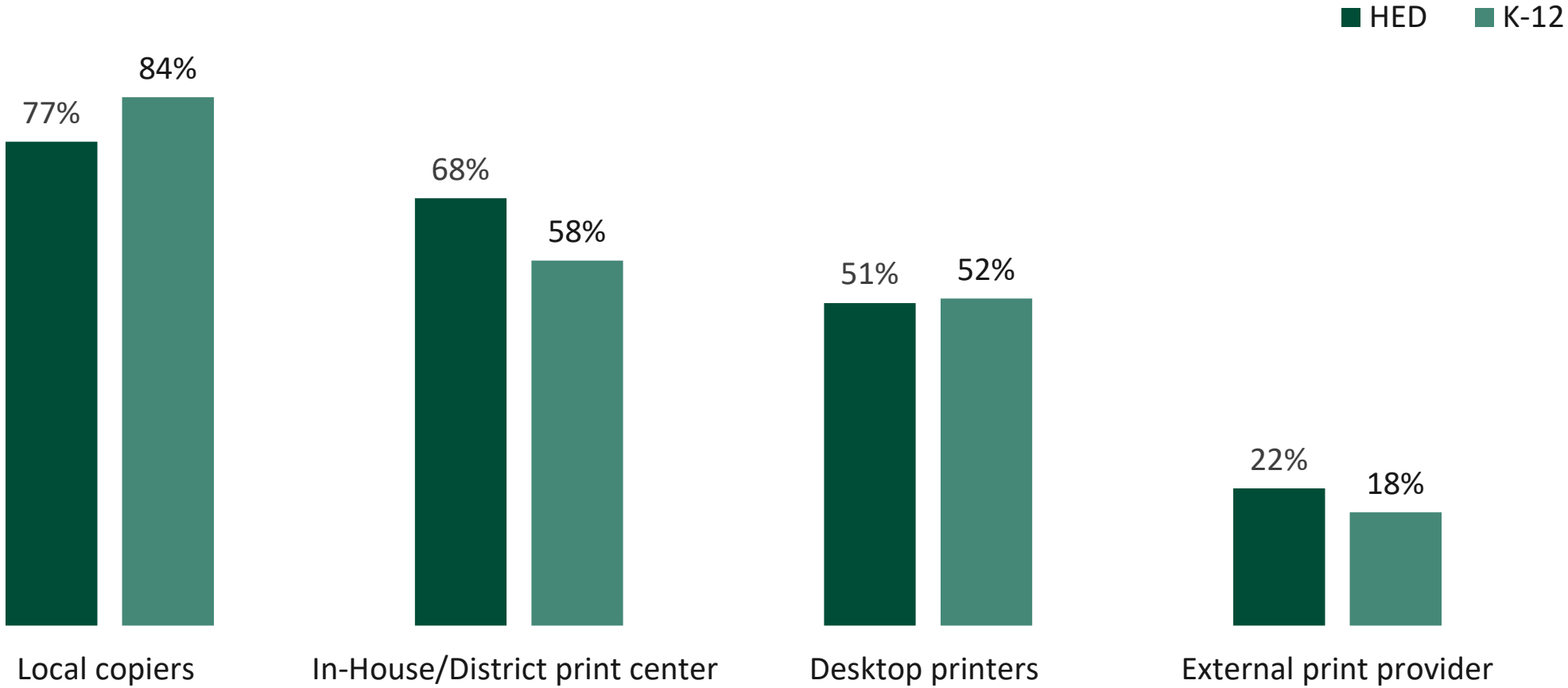
Key findings

- ✓ Nearly all faculty and staff have access to printers and copiers
- ✓ **K-12** and **Higher Ed.** institutions use local copiers for over a third of classroom content
- ✓ Overall print use is decreasing
- ✓ Increased focus on the digitalization of institutional materials

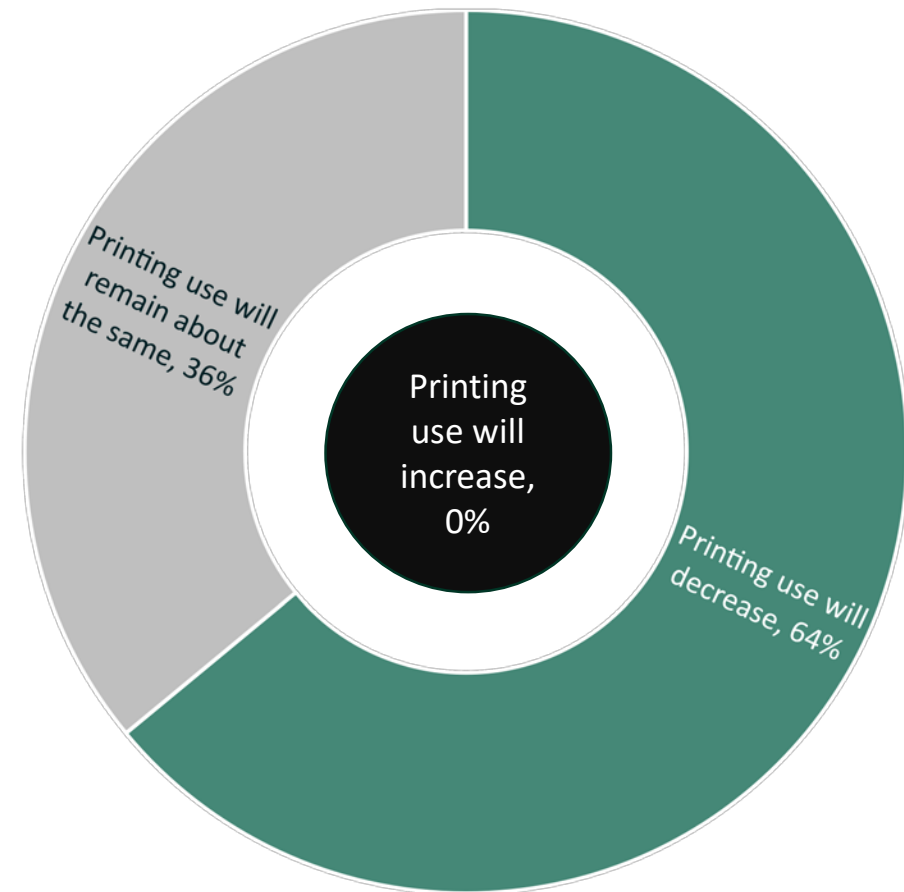
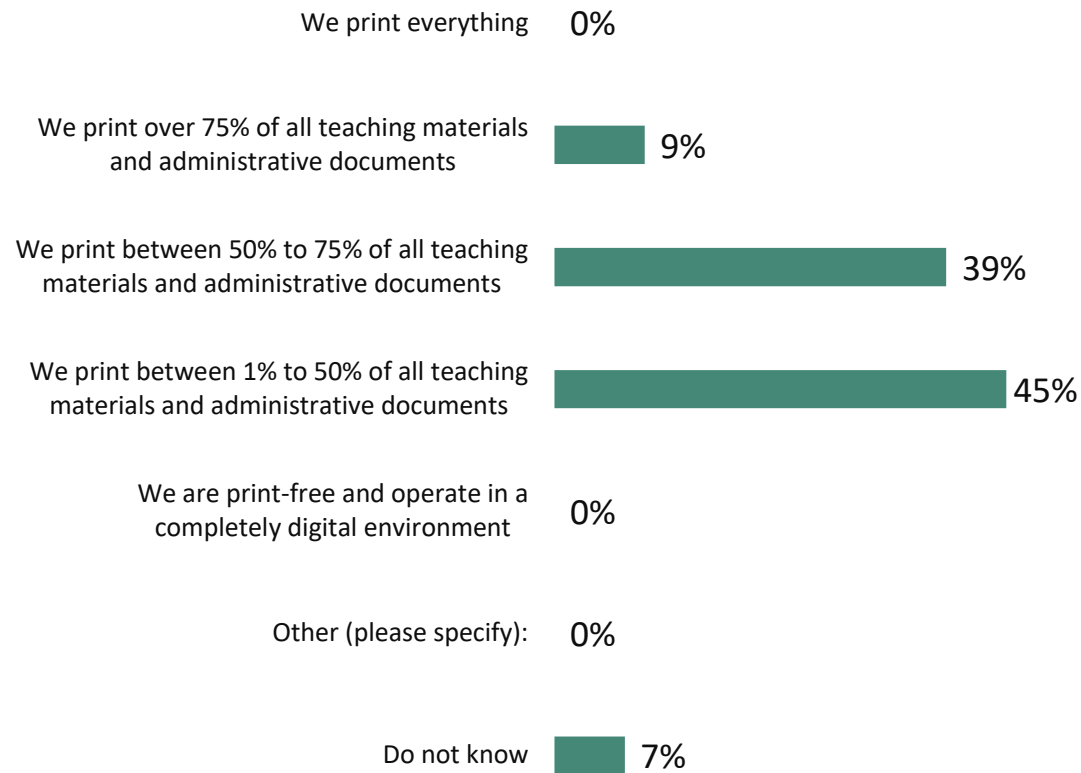
Printer and copier users



Copiers are still most used for classroom content

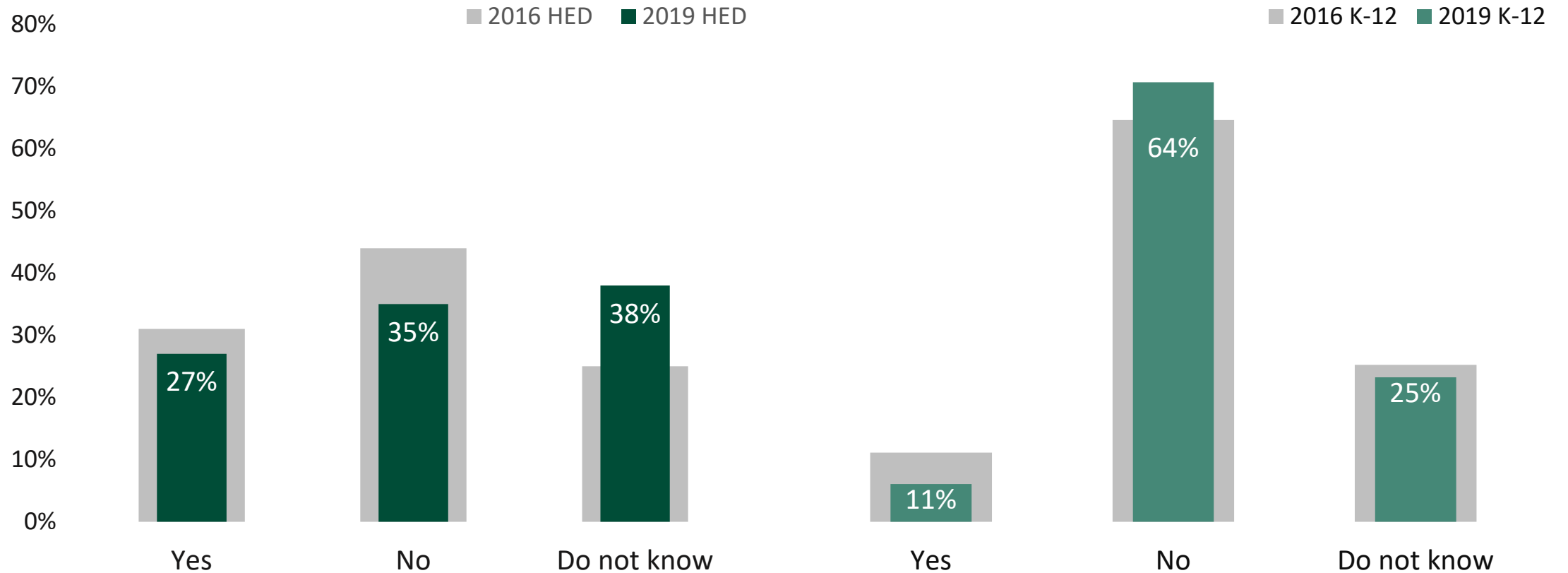


Nearly half of school respondents report printing between 1-50% of their teaching materials

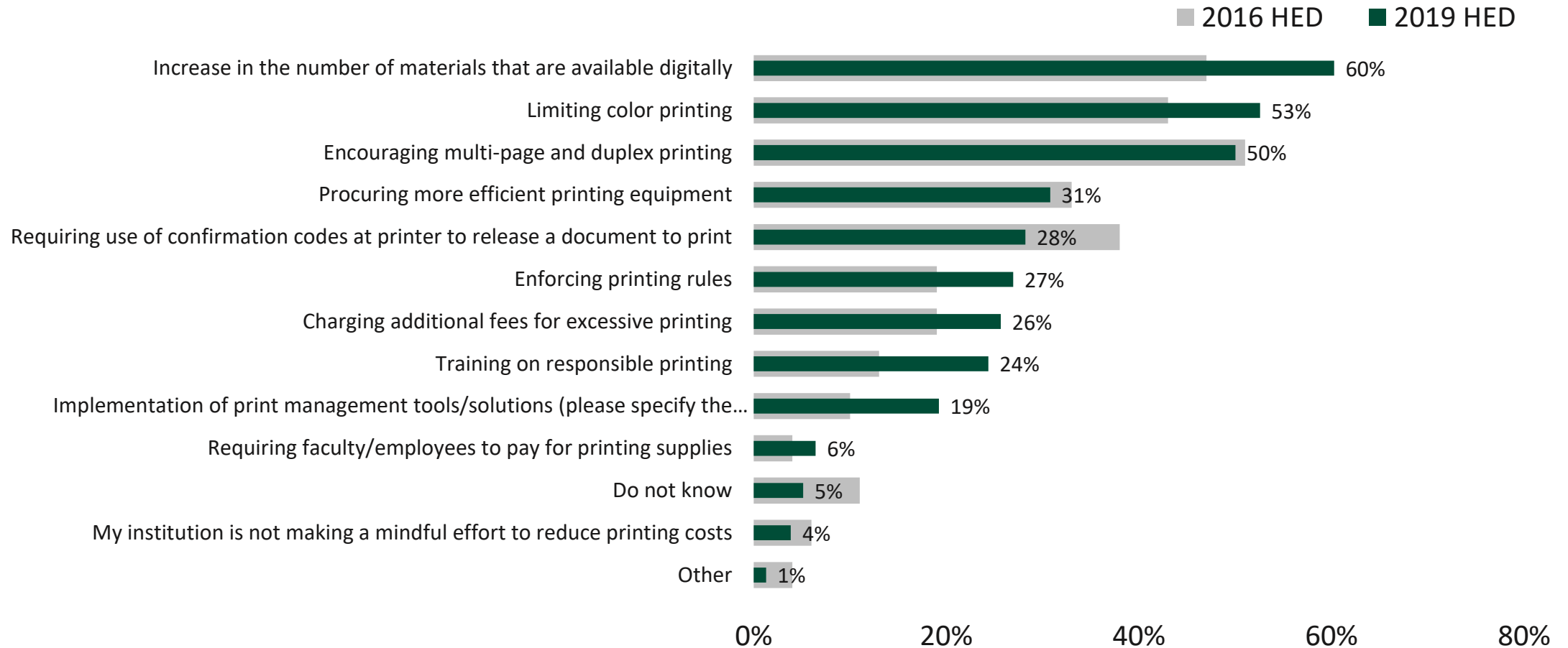


Note: Questions only given to K-12 respondents

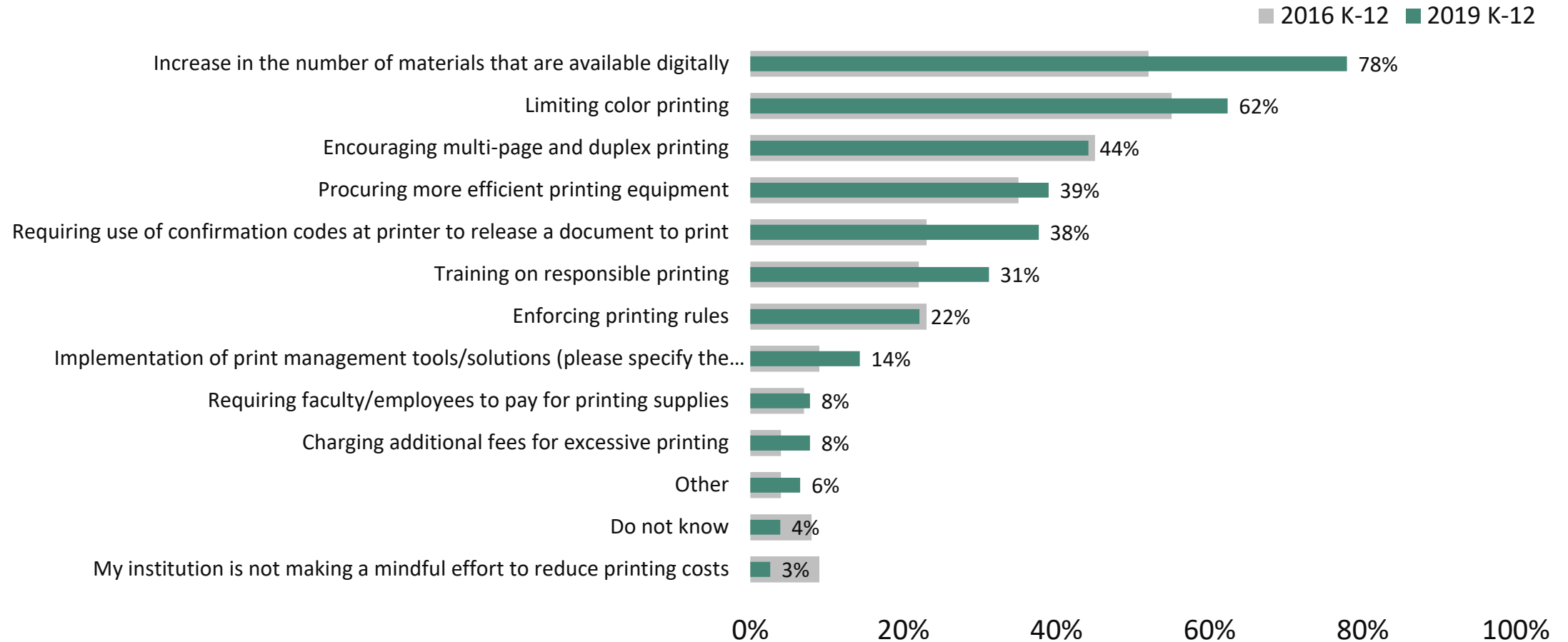
Few jurisdictions are under a green or environmental mandate



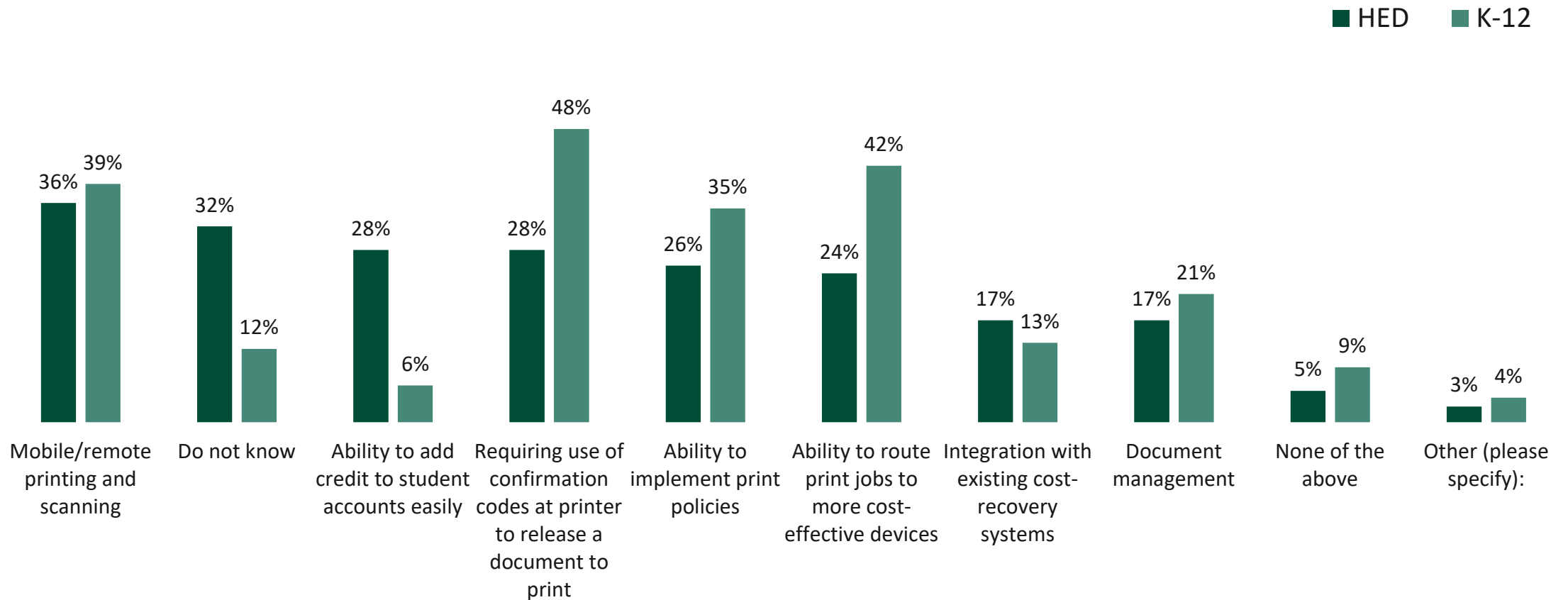
Most HED institutions are moving to digital materials



Most K-12 districts are moving to digital materials



K-12 districts use more functionalities for their print solution



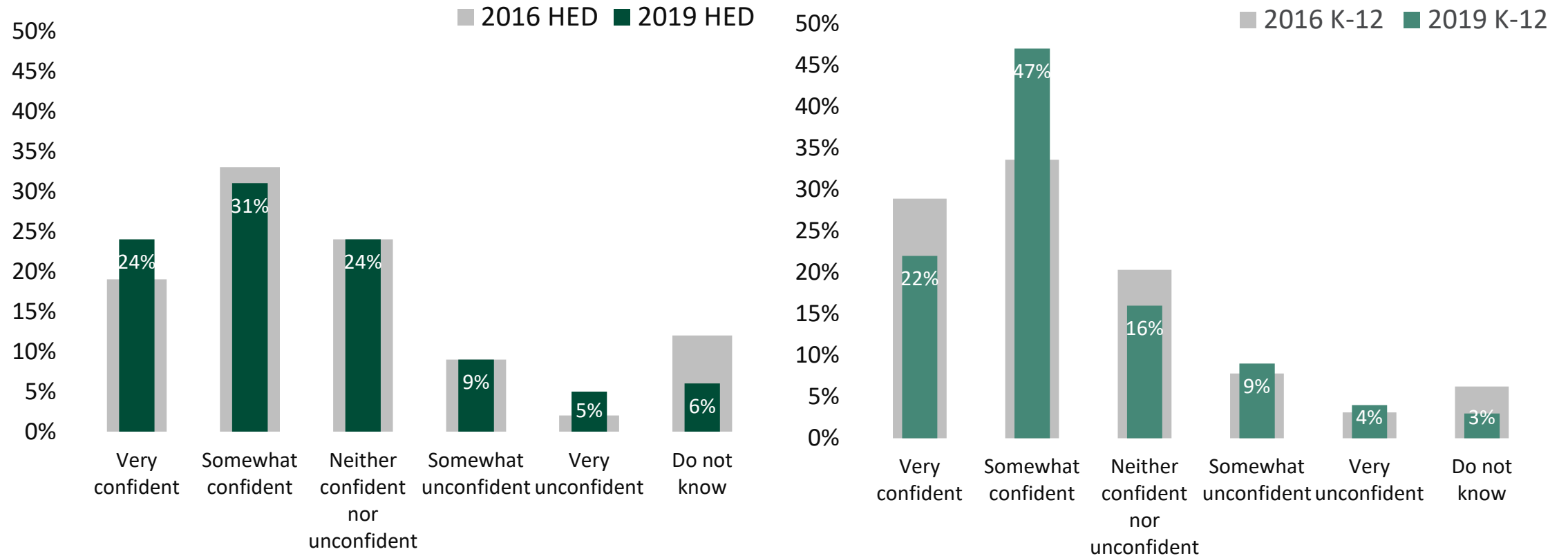


Print Security

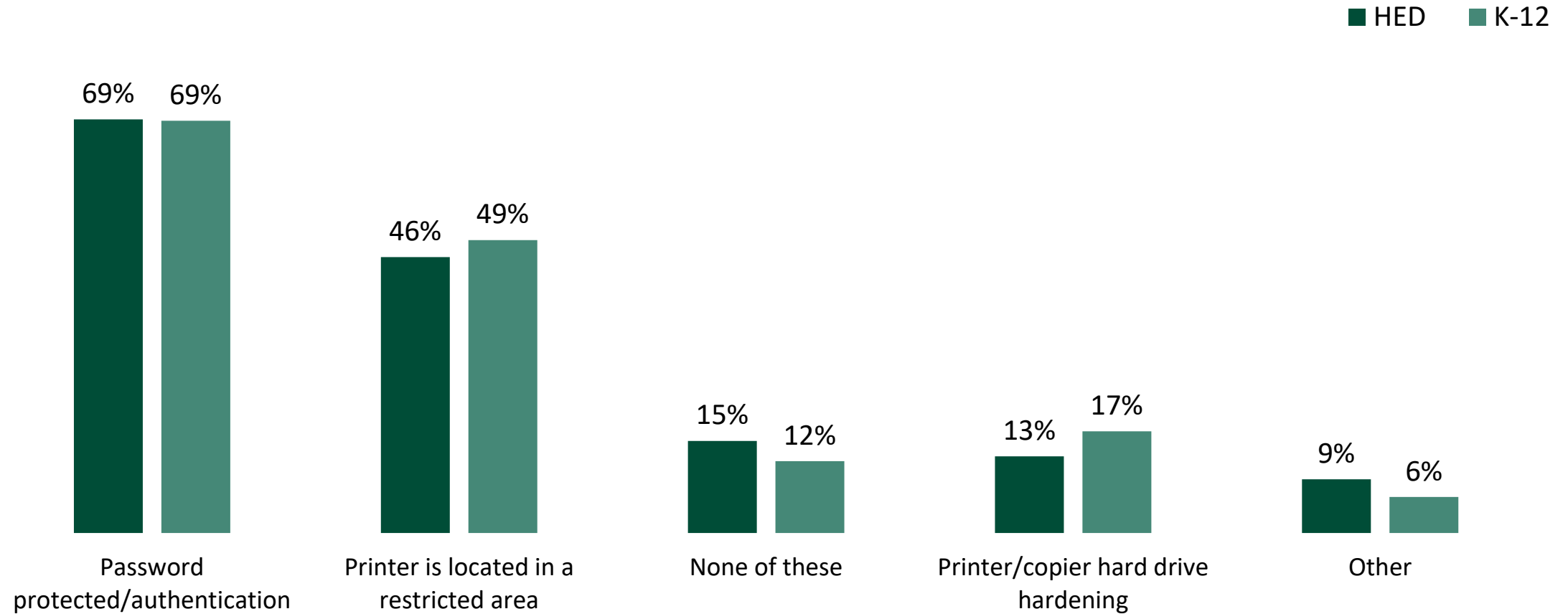
Key Findings

- ✓ Confidence in print security is mixed
- ✓ No data breaches in the last 24 months for nearly all **K-12** and **Higher Ed.** respondents
 - ✓ Breach outcomes vary for **Higher Ed.** institutions.
- ✓ Overall high levels of confidence in student data security
- ✓ Little difference how districts and institutions view data vulnerabilities

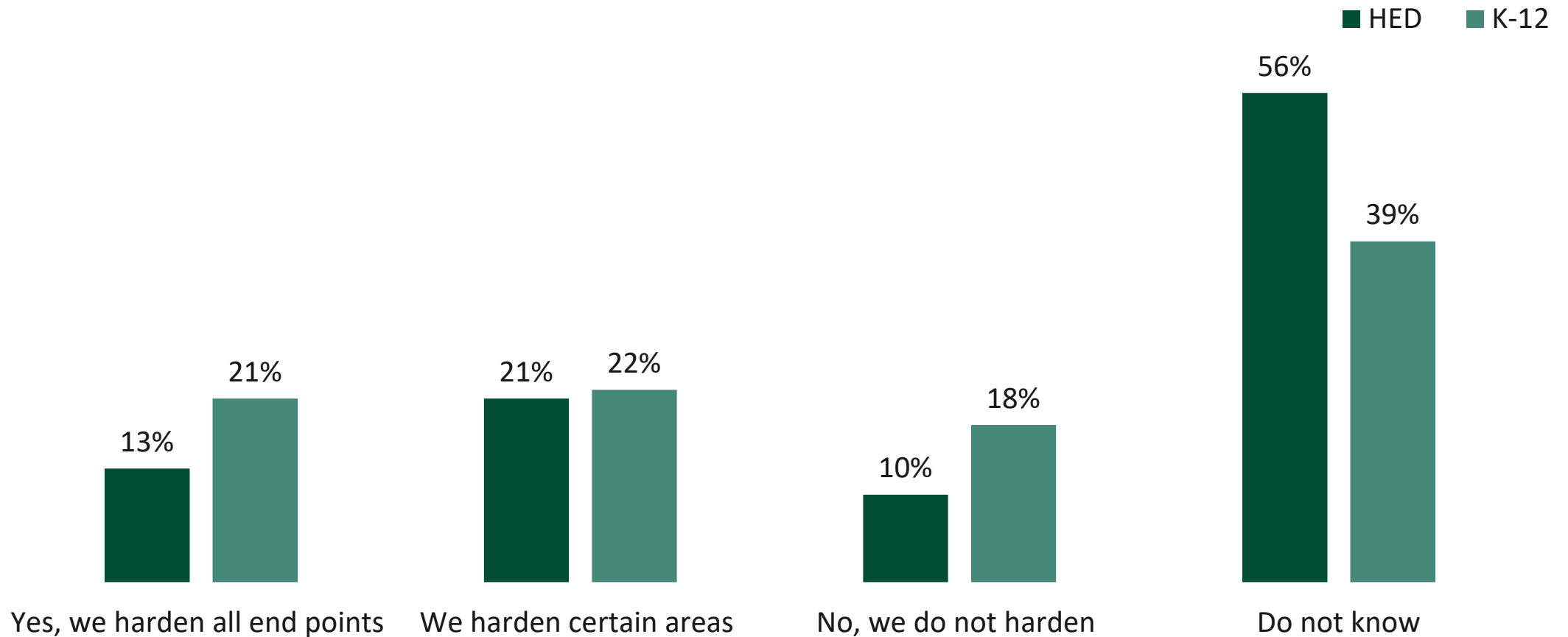
Confidence in security of printing environment is mixed



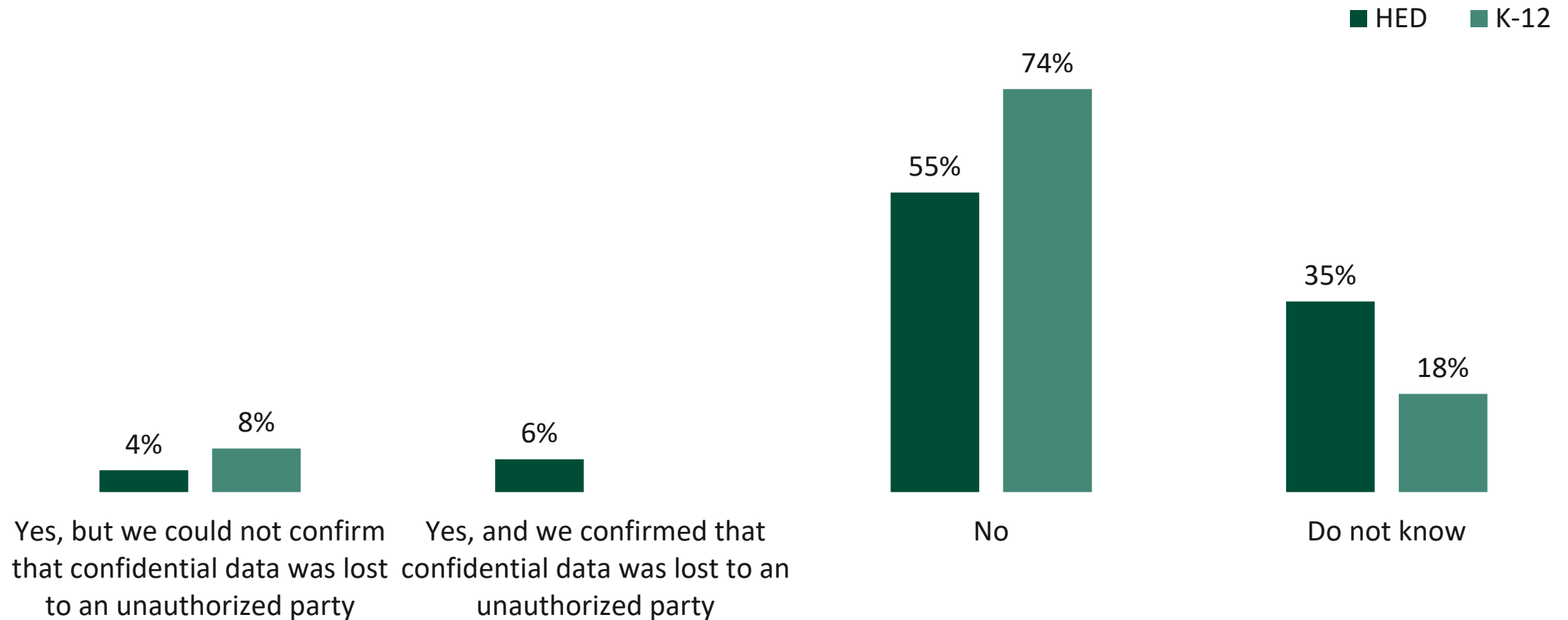
Similar security measures at both HED and K-12



Most are uncertain about hardening devices to protect against outside threats

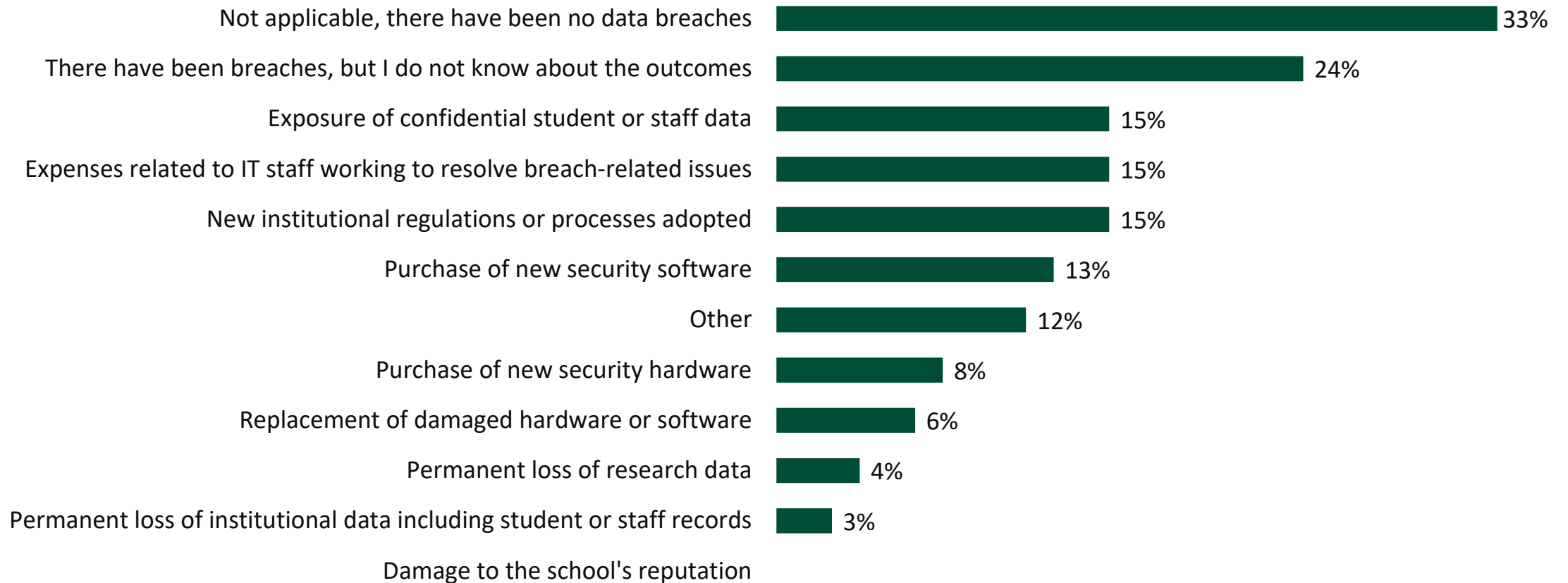


Most respondents had not suffered a data breach in the last 24 months



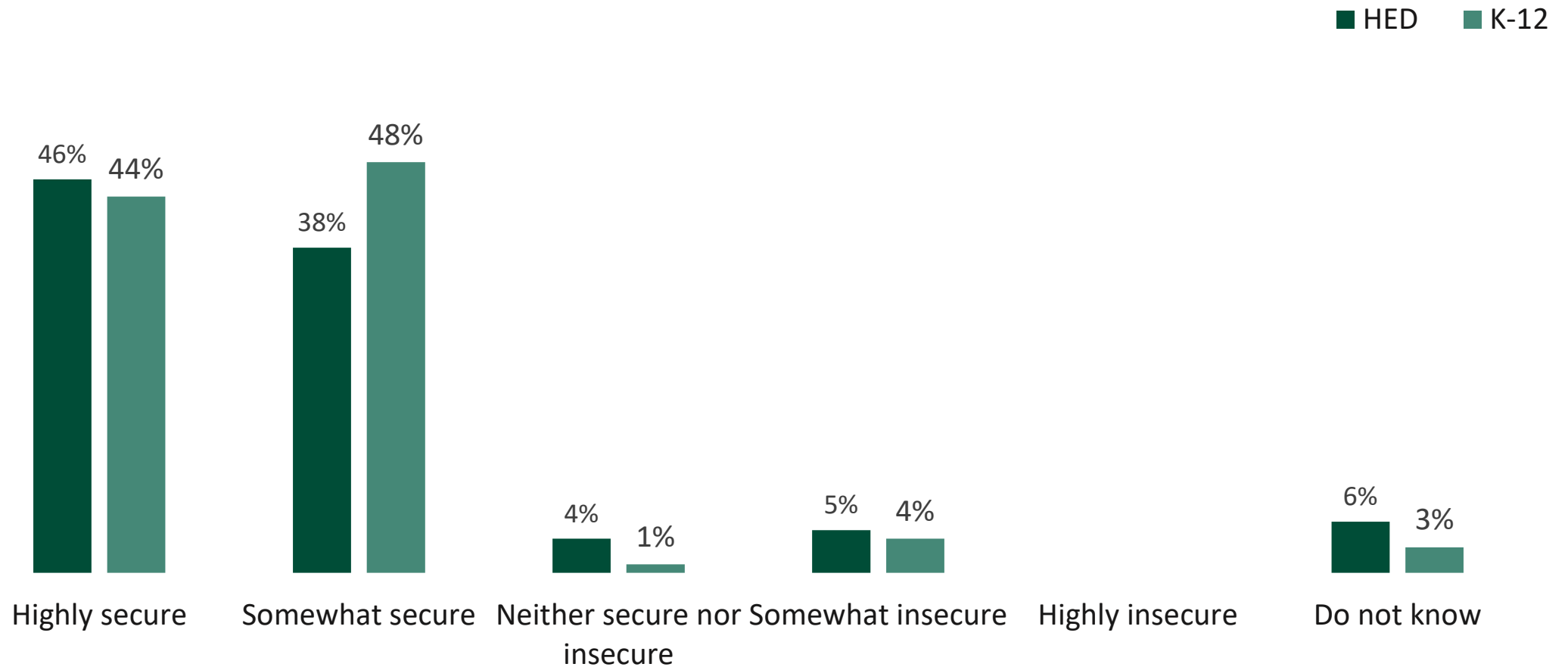
Few data breaches across HED

Note: Question only given to HED respondents

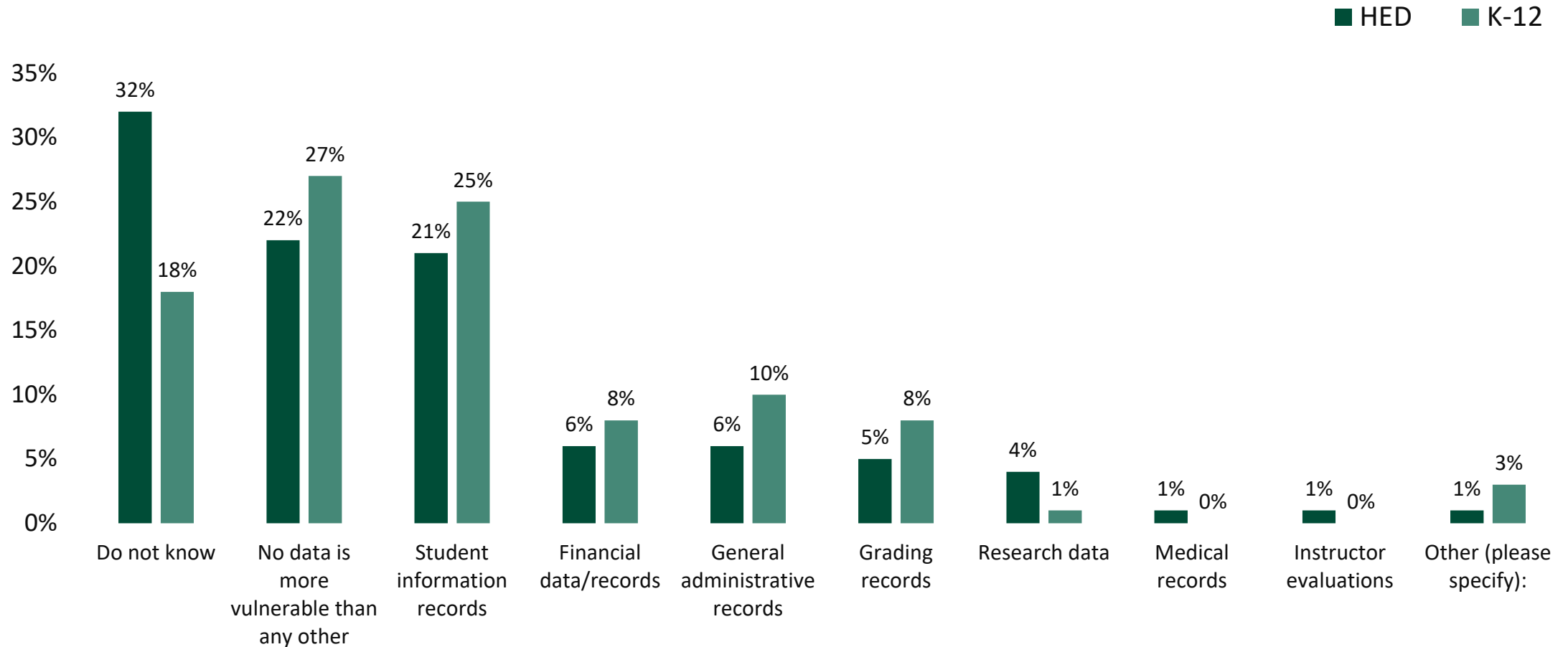


Note: Question only given to HED respondents

Nearly all respondents are confident their student data is highly or somewhat secure



Respondents are mixed on data vulnerabilities



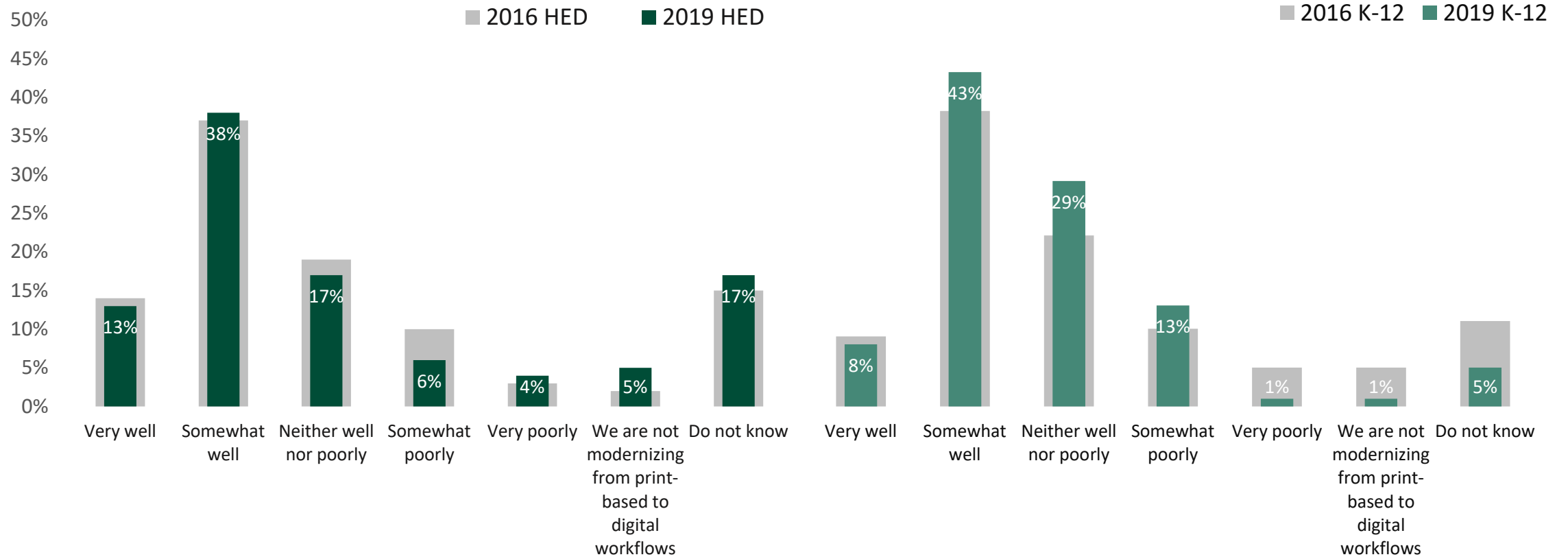


Digital workflow needs and challenges in Education

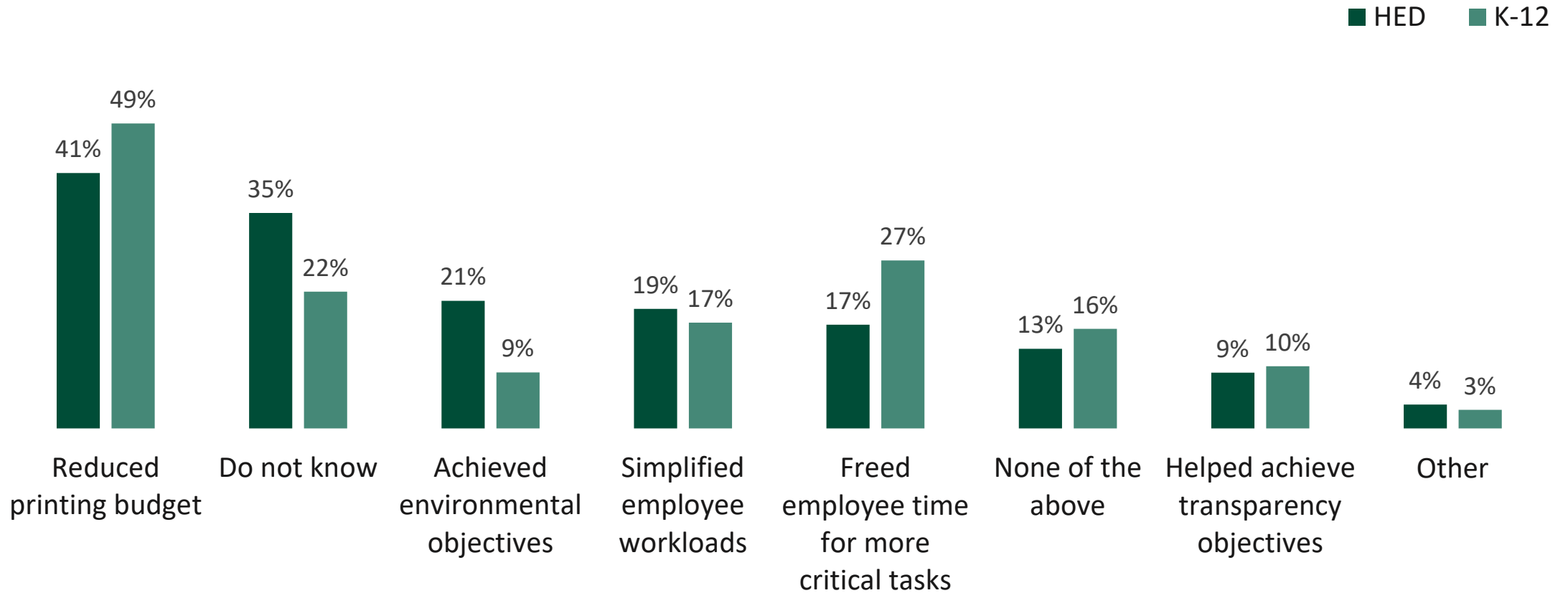
Key Findings

- ✓ Mixed views on confidence in transition to digital modernization
 - ✓ Also mixed on successes of automation
- ✓ **K-12** and **Higher Ed.** Respondents express interest in additional training and professional development
 - ✓ **K-12** institutions are more likely to train faculty and staff on secure printing than **Higher Ed.**
- ✓ Faculty and staff buy-in for modernization remains a challenge for both **K-12** and **Higher Ed.** institutions

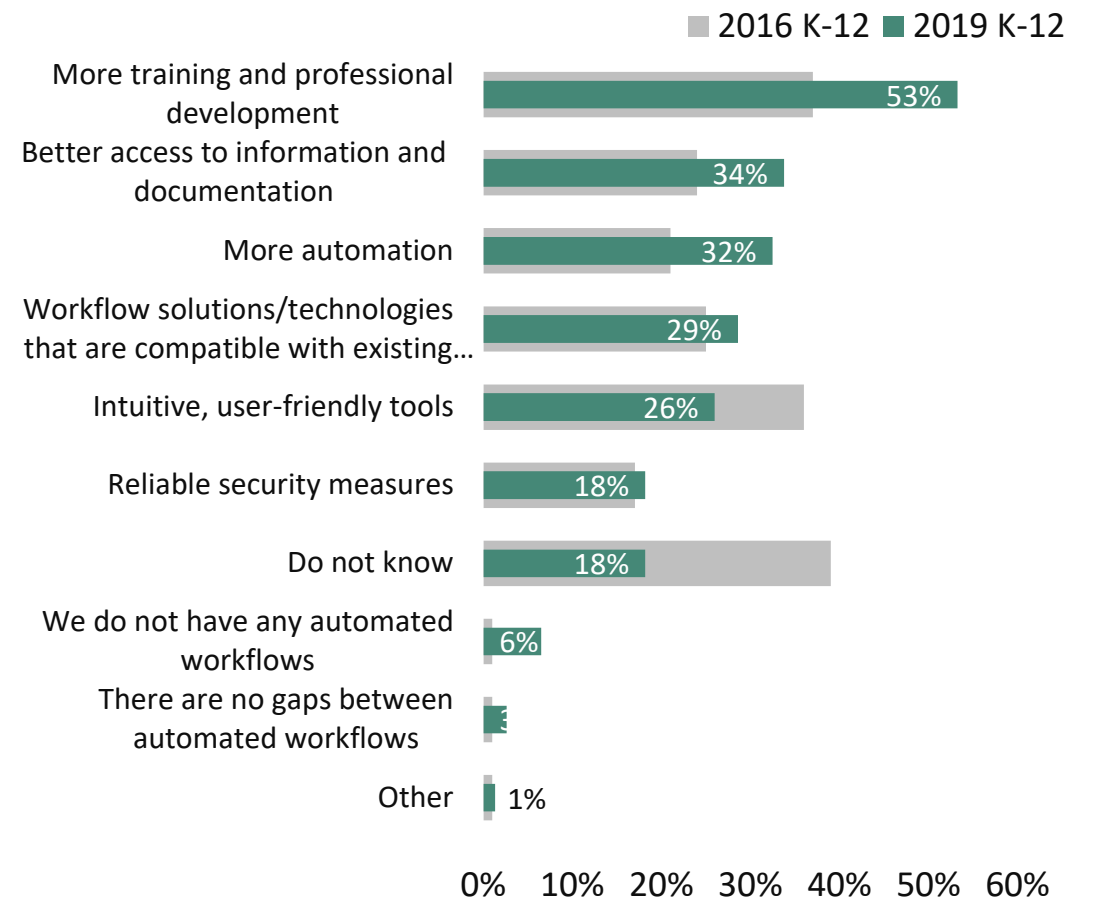
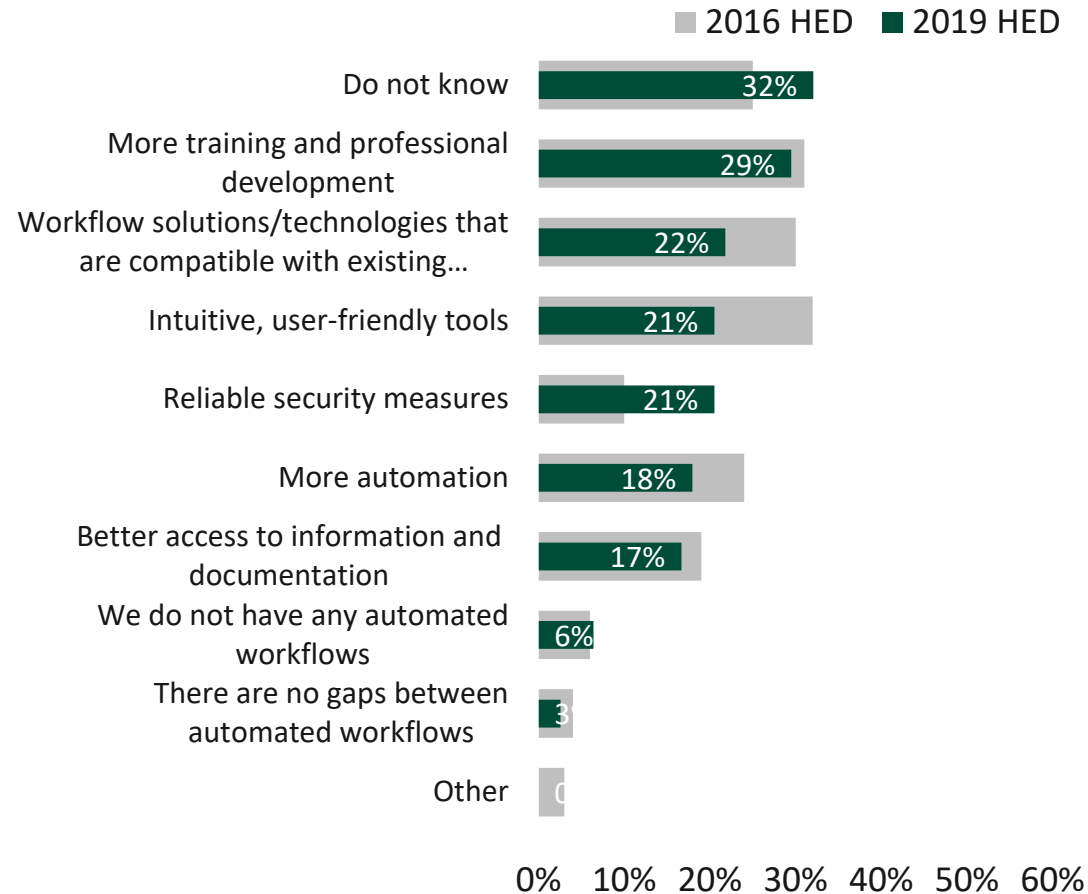
Mixed confidence on transition of modernizing from print-based to digital workflows



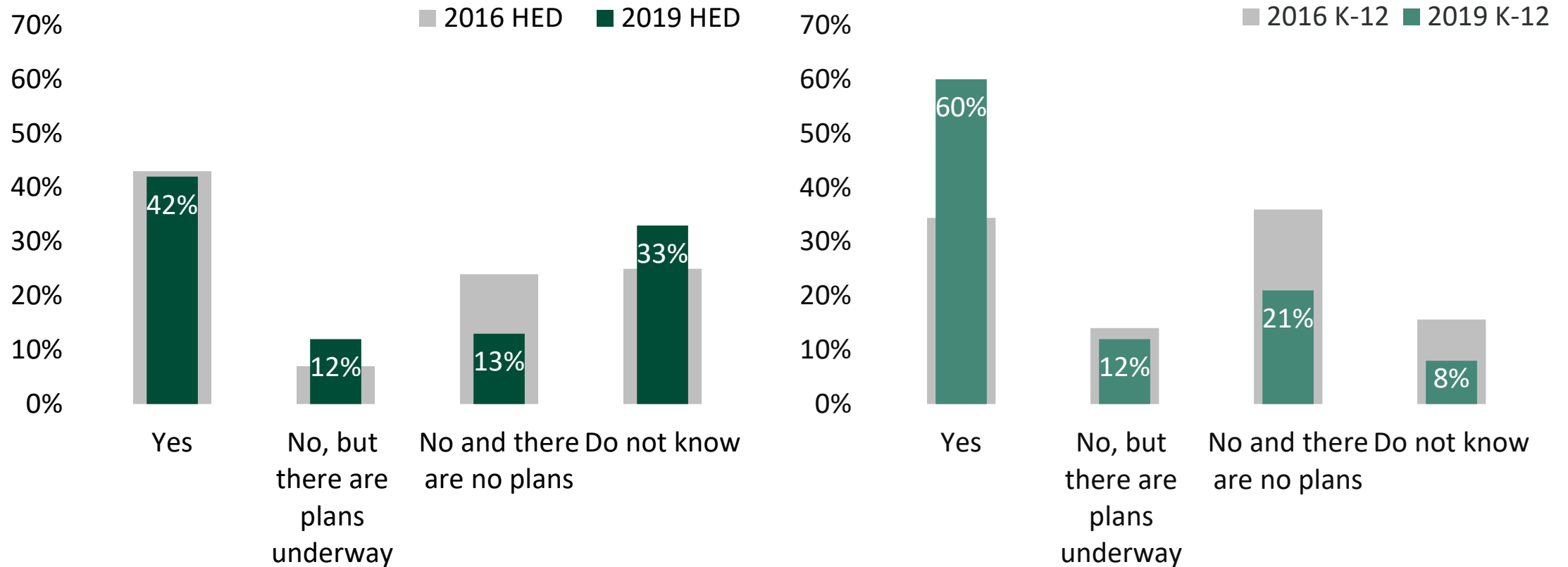
Mixed views on automation successes



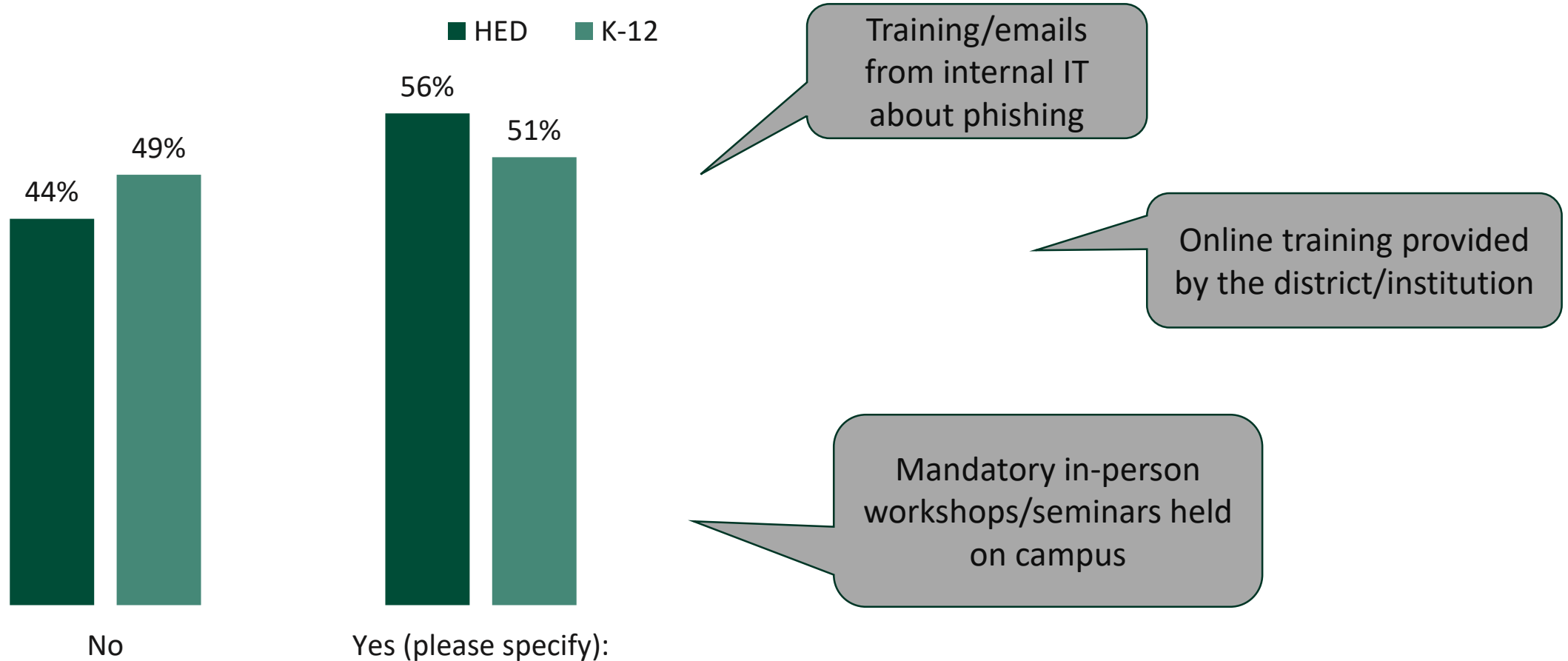
Over half of all K-12 respondents say training and professional development is still needed



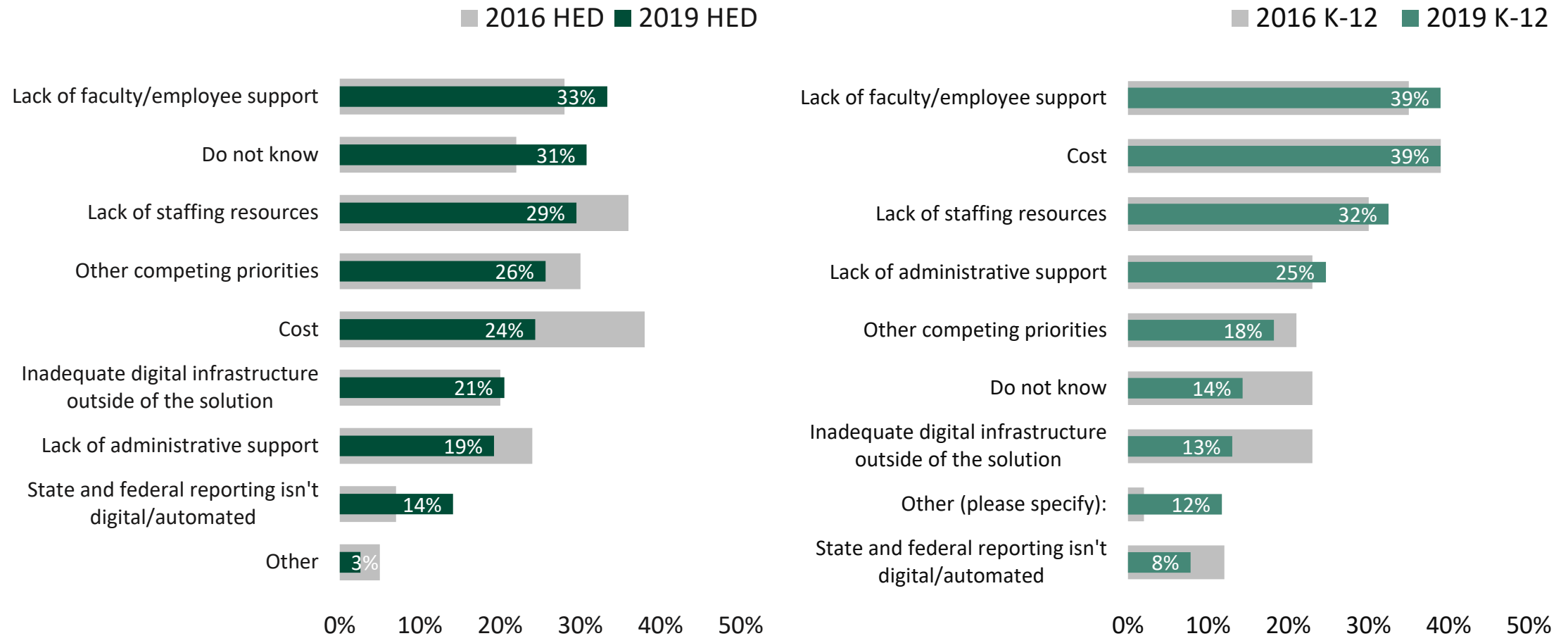
K-12 respondents report higher likelihood of trainings related to secure printing



Over half of HED and K-12 campuses provide security awareness training



Faculty/staff support leads among obstacles for modernizing from print to digital workflows



Overall Key Findings

- K-12 and Higher Ed. report that printing use is down, unlikely to increase
 - School districts/Institutions pushing for digital transitions
- Only a few respondents reported having experienced a data breach recently
 - School Districts/Institutions are confident in their ability to secure student data
- Faculty and staff support for modernization at both **K-12** and **Higher Ed.** institutions can still be an obstacle
 - More professional development and training wanted

Thank You!

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