



Kentucky Higher Education's Return on Investment Report

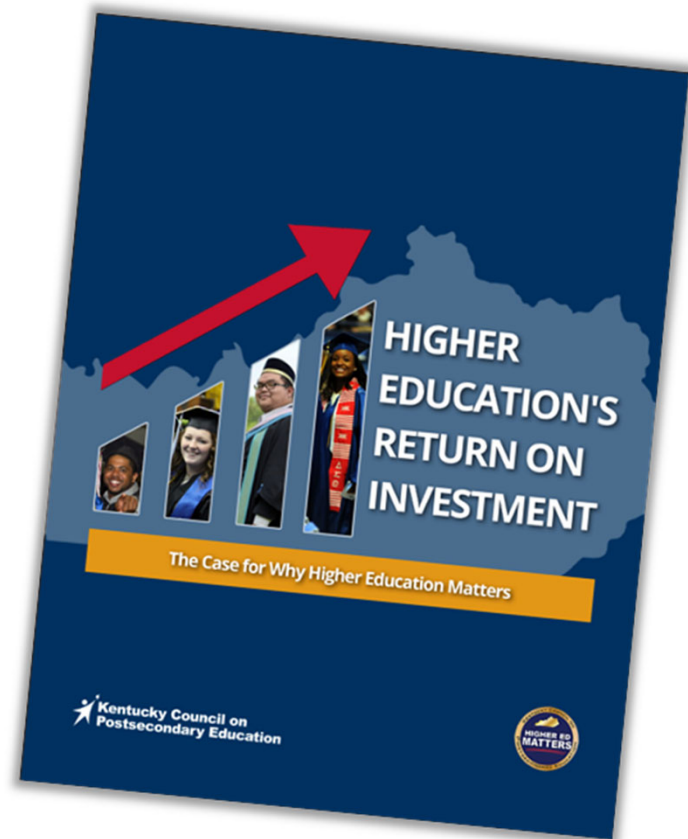
Presentation by
CPE Data & Advanced Analytics team



Kentucky Higher Education's Return on Investment Report

Follows the KY high school graduating class of 2010 for 8 years:

- Did they go to college?
- Did they graduate?
- How much aid did they receive?
- What were their out-of-pocket costs after financial aid?
- How much did they borrow?
- How much were they making compared to high school graduates?



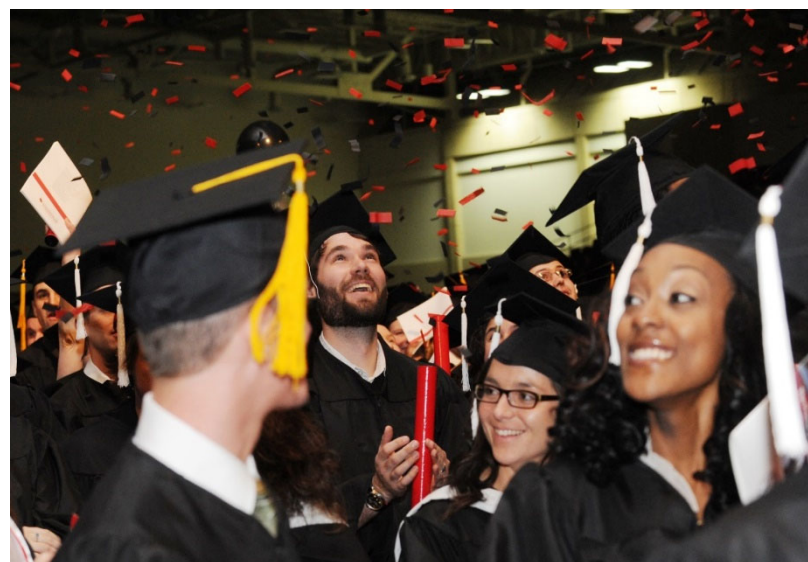
This is the story of one cohort of students – the KY high school class of 2010.

The report tracks 42,856 students graduating high school in 2010 through 2018.

About 56% (24,056) enrolled directly in an in-state postsecondary institution.

By 2018:

- 32% had completed a credential
- 32% had some college
- 32% had only a high school diploma
- 4% were still pursuing their first degree



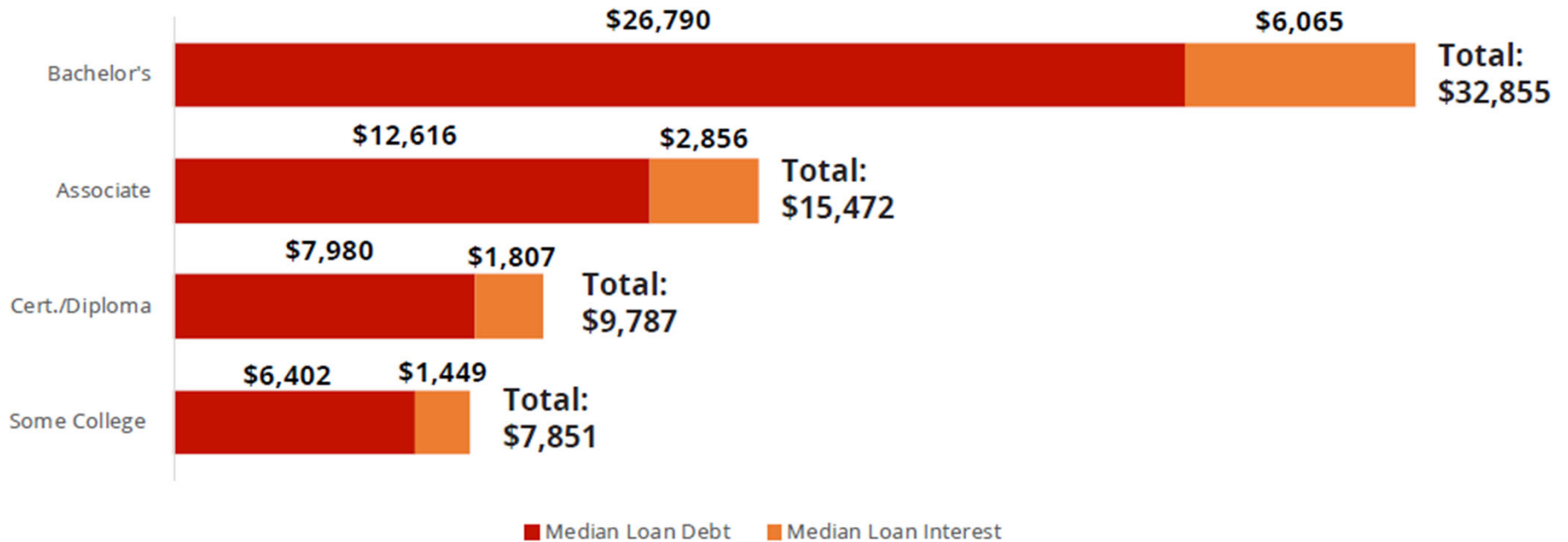
KEY TAKEAWAY: The total out-of-pocket cost of a public postsecondary credential was significantly lower than the published price.

		TOTAL (2010-2018)			
Credential Level	Median Years to Degree	Median Cost of Attendance	Median Grants & Scholarships	Net (Out-of-Pocket) Cost	Percent Funded by Aid
Certificate/Diploma	2	\$21,039	\$5,645	\$15,394	27%
Associate	4	\$44,881	\$14,022	\$30,859	31%
Bachelor's	5	\$79,217	\$23,799	\$55,418	30%

Source: KPEDS & Integrated Postsecondary Education Data System (IPEDS)



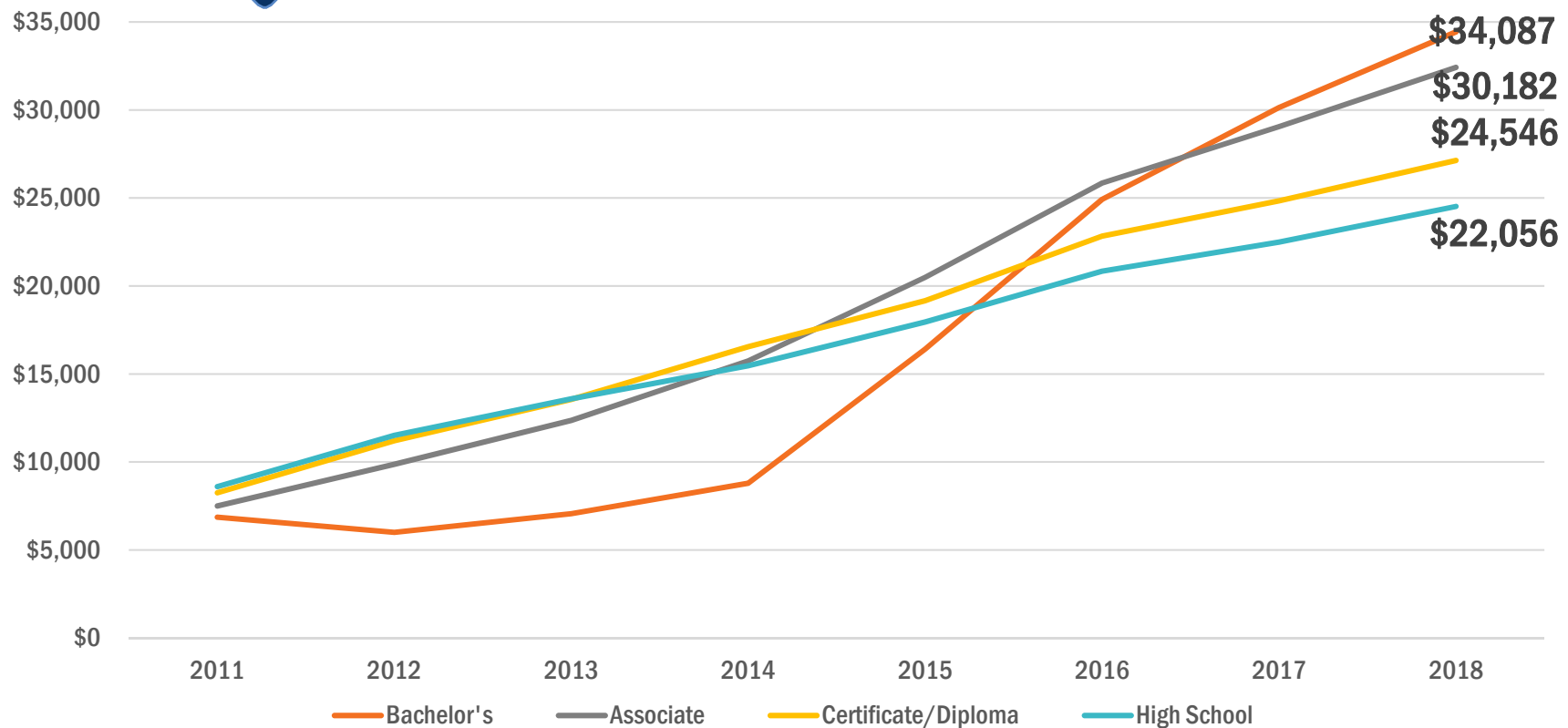
KEY TAKEAWAY: 41% of students in the cohort attending a public college or university did not borrow loans to finance their education.



Source: KPEDS and U.S. Department of Education Repayment Calculator



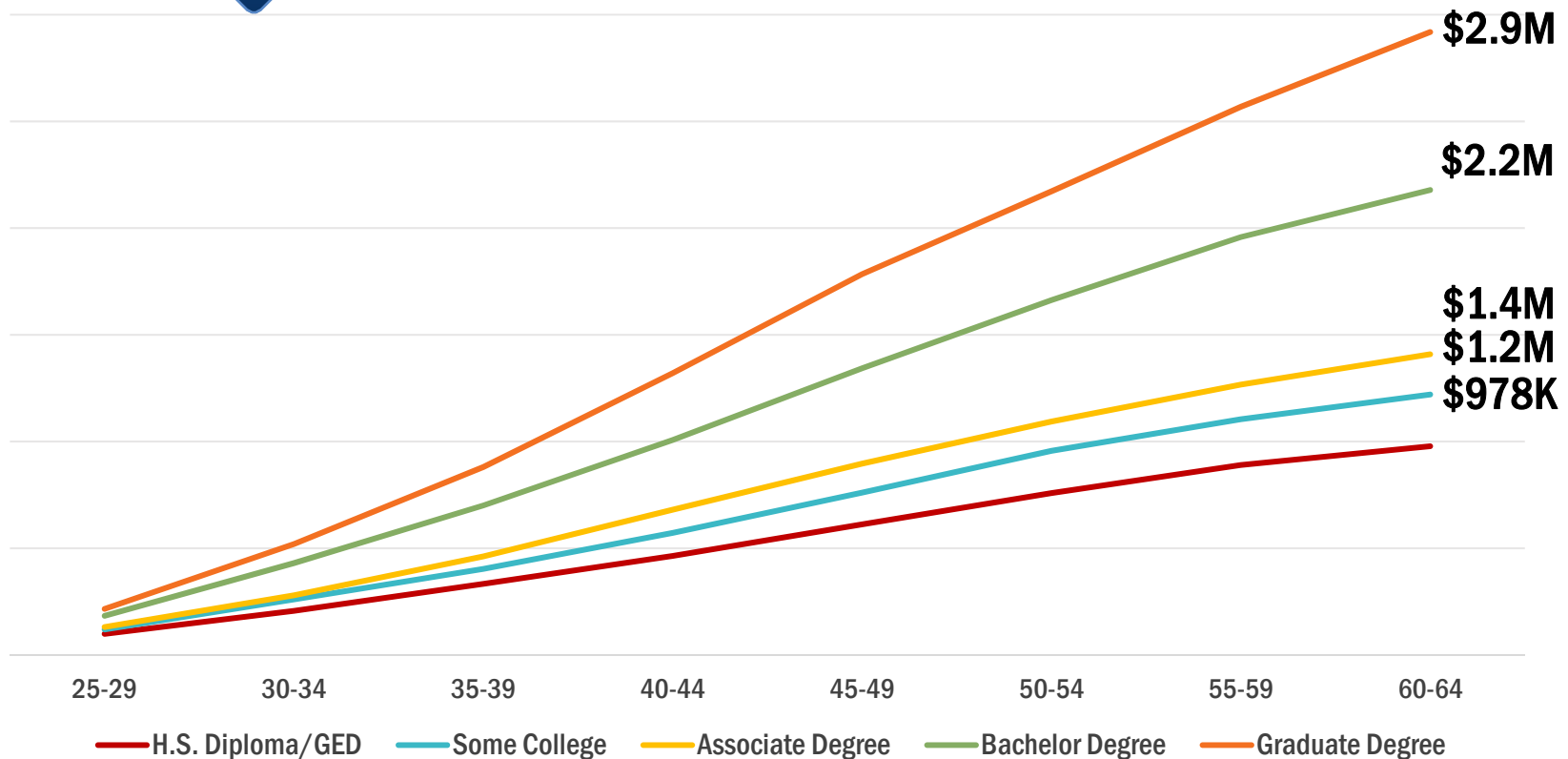
KEY TAKEAWAY: By 2018, bachelor's degree graduates earned \$12,000 more annually than high school graduates. Associate degree graduates earned \$8,000 more.



Source: KY Center for Statistics (KYSTATS)



Key Takeaway: The disparity in earnings between credential holders and high school graduates grows more pronounced over time.



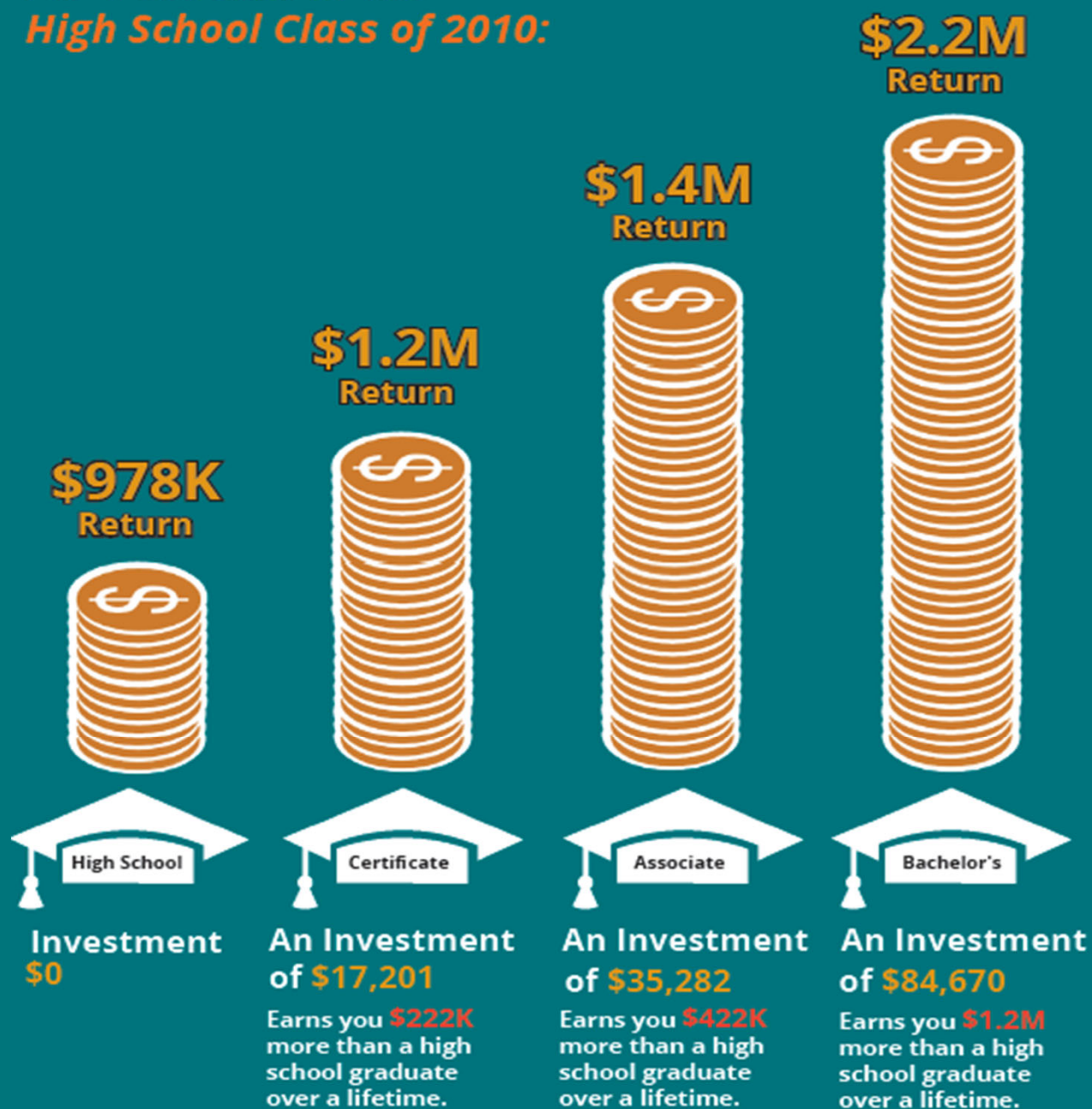
Source: 2017 American Community Survey (ACS), 1-Year Public Use Microdata Sample (PUMS)

Median College Investment for Class of 2010

THE MEDIAN INVESTMENT (2010-2018)				
Credential Level	Total Net Cost	Opportunity Cost (Lost Earnings)	Student Loan Interest	Total Investment
Certificate/ Diploma	\$15,394	\$0	\$1,807	\$17,201
Associate	\$30,859	\$1,567	\$2,856	\$35,282
Bachelor's	\$55,418	\$23,187	\$6,065	\$84,670



*For a Student in the
High School Class of 2010:*



KEY TAKEAWAY: Kentucky invested \$544 million in the cohort through direct appropriations to public institutions.

High School Class of 2010 (2010-18)					
Credential Level	Average Net GF Appropriation per FTE Student	Median Time to Degree	Total Net GF Appropriation per FTE Student	Number of Students in the Cohort	Total Net GF Investment in the Cohort, by Level
Some College	\$7,054	2	\$14,108	13,060	\$184M
Certificate/Diploma	\$7,054	2	\$14,108	1,497	\$21M
Associate	\$6,772	4	\$27,088	2,369	\$64M
Bachelor's	\$6,678	5	\$33,390	6,768	\$226M
Graduate	\$6,580	6.5	\$42,770	1,145	\$49M
					\$544M



KEY TAKEAWAY: Kentucky invested \$86 million in the cohort attending public institutions through state financial aid (CAP & KEES).

High School Class of 2010 (2010-2018)			
Credential Level	Number of Students in Cohort	Avg. CAP & KEES Disbursement per Student	Total State CAP & KEES Investment
Some College	13,060	\$1,195	\$15.6M
Certificate/Diploma	1,497	\$1,494	\$2.2M
Associate	2,369	\$3,494	\$8.3M
Bachelor's	6,768	\$7,381	\$50M
Graduate	1,145	\$8,567	\$9.8M
			\$86M

Source: Kentucky Higher Education Assistance Authority and KPEDS

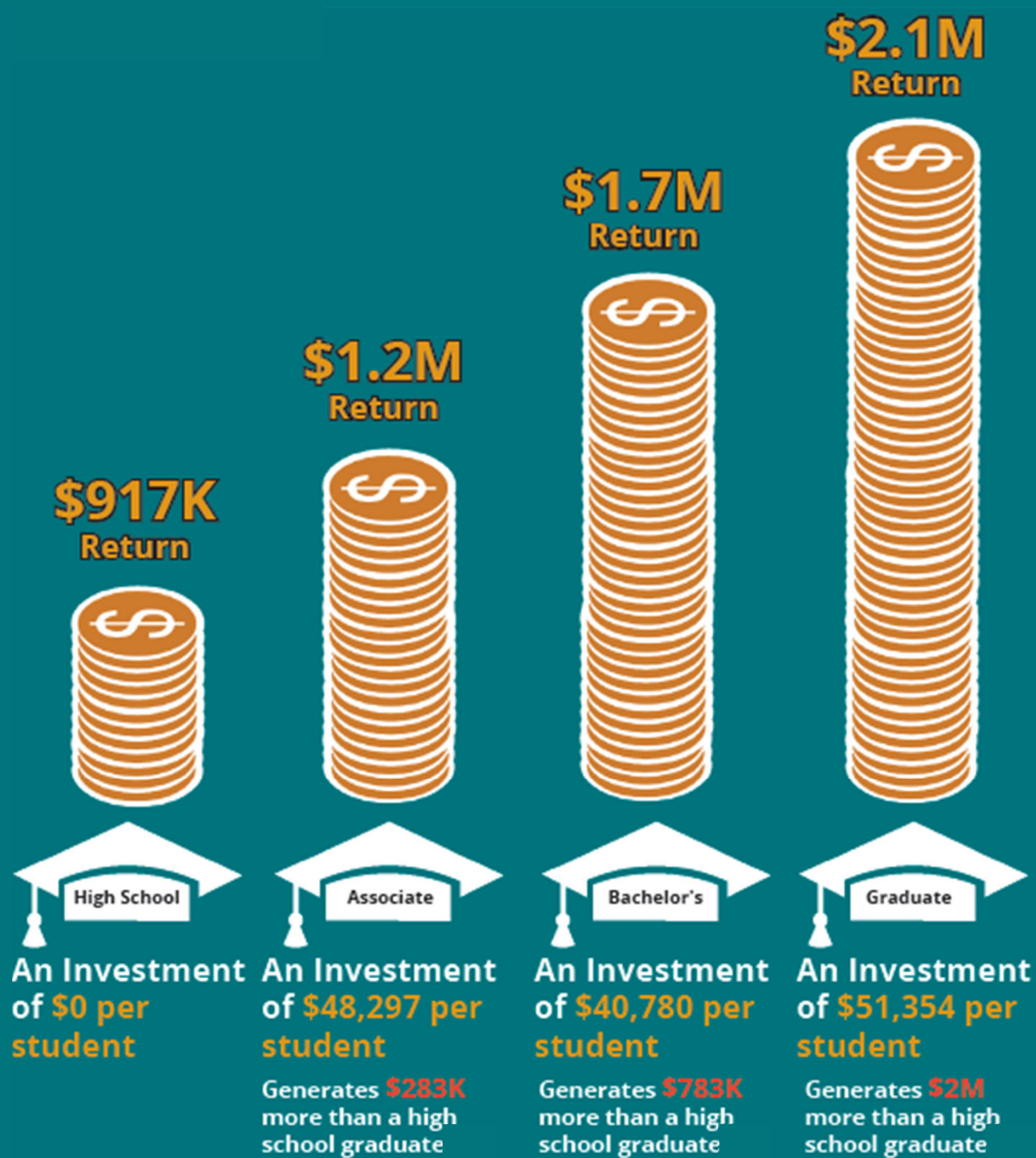


KEY TAKEAWAY: Kentucky's return on the \$630 million expended on the Class of 2010 is \$42.8 billion – 68 times the initial investment.

The state's \$630M investment in the cohort generates:

Education Level	State & Local Spending & Taxes	Number of Students	Total Contributed to the Economy
High School	\$917,000	13,831	\$12.7 billion
Some College	\$1,100,000	13,060	\$14.4 billion
Associate	\$1,200,000	1,497	\$1.8 billion
Bachelor's	\$1,700,000	6,768	\$11.5 billion
Graduate	\$2,100,000	1,145	\$2.4 billion
			42.8 billion





Annual Campus Strategic Agenda Performance Briefing

(CPE Work Session, January 23, 2020)

<http://cpe.ky.gov/data>

2016-2021 Strategic Agenda Metrics with targets

- Credentials undergraduate awarded: overall, minority, low income, STEM-H, targeted industry (KCTCS), high wage high demand (KCTCS)
- Credentials graduate/professional awarded (4-year public universities)
- Graduation rates: overall, minority, low income
- Retention rates: overall, minority, low income
- Success of underprepared students in gateway courses (math, English)
- Avg. credit hours at graduation
- Diversity enrollment undergraduate: minority, black, Hispanic,
- Diversity enrollment graduate: minority
- Workforce diversity: tenure/tenure track faculty, management occupations

Other Key Performance Indicators (KPIs)

- Enrollment undergraduate: overall, adults, first-time
- Enrollment graduate: overall
- Net price, cost of attendance
- Completion rate

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Possible questions for consideration

How has your institution's enrollment strategies changed for first-time students? For adults? Has online coursework been a factor?

What new and innovative ways are you comprehensively supporting student retention and completion?

Considering budgetary challenges, what changes if any have you to made regarding campus personnel to align with student needs and the institutional service and research mission?

Would you like to share any other measures of institutional effectiveness which are not in the state's 2016-21 Strategic Agenda?