

# CTE ANALYSIS BY EFE DISTRICT

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PRELIMINARY FINDINGS SPRING 2025

# GROWING THE CTE BUDGET

- ▶ CTE is chronically underfunded despite years of investments and being a politically popular program
- ▶ If state funding had kept up with inflation it would be over \$80M (which is still low compared to neighboring states with fewer students)
- ▶ Together with federal funds, the state distributes \$239 per CTE student (\$68M/285,732 CTE students)
  - ▶ EX: CPS (81%AT) receives \$7,995/student in EBF funds and the statewide average is \$9,561
- ▶ DOES THE BELOW INCL ED AND AG? OTHER LINE ITEMS?

	Appropriation	Administration	Distribution	State Leadership/ Technical Assistance
FEDERAL	\$30,234,040	\$1,511,701	\$25,698,935	\$3,023,404
STATE	\$46,725,400	\$0	\$42,725,400	\$5,000,000
ICCB FEDERAL	\$20,156,025	\$1,007,800	\$17,132,623	\$2,015,602
<b>TOTAL</b>	<b>\$98,115,465</b>	<b>\$2,519,501</b>	<b>\$85,556,958</b>	<b>\$10,039,006</b>

Table 10 Components of Federal and State Appropriations

# Methodology

- ▶ 55 EFE's received a 2024 CTEI distribution from ISBE.
- ▶ The IDJJ School District 428 and IllinoisDHS0736 EFE's were removed from the analysis because of their unique status.
- ▶ **7 EFEs could not be matched with feeder districts:** Twin Rivers Career & Technical Education System, Career Development System, Career Preparation Network, Rend Lake Area Regional Delivery System, Five County Regional Vocational System, ESL Regional Vocational System, Iroquois Area Regional Delivery System.
  - ▶ CAN ISBE HELP MATCH THESE?
- ▶ The remaining 53 EFE were matched with their feeder school districts that served high school students.
- ▶ Using ILRC '24 data there are 481 districts serving high school students and 434 were successfully matched to their EFE district(s).
- ▶ 46 school districts were reported as feeder districts for more than 1 EFE district. Beecher City CUSD20 was the only district to be reported as a feeder district for 3 EFE districts.
  - ▶ HOW DOES THE NEW FUNDING FORMULA ACCOUNT FOR DUPLICATES?

# Enrollment Data

- ▶ The number of students represented by each of the studied EFE districts varied significantly.
  - ▶ Eagle Ridge Vocational Delivery System near Galena covered 958 high school students compared to the 101,116 high school students within the Chicago Public School District 299 EFE.
- ▶ The average number of high school students served by an EFE district is 12,066 high school students.

# CTE Participants & Concentrators

## Participants

- ▶ The DuPage Area Occupational Education System educated the most CTE participants with 26,096 students—representing 52% of high school students within the EFE district—but the Livingston Area EFE had the highest percentage of CTE participants with 85% of high school students participating in at least one CTE course.
- ▶ Nine other EFE districts had at least 75% of high school students taking a CTE course, all fed by rural feeder districts.
- ▶ Four EFE districts had fewer than 30% of high school students participating in CTE courses, Southwestern Illinois Career and Technical Education (9%), Chicago Public Schools District 299 EFE (12%), Morton Regional Delivery System (28%), and Kishwaukee Education Consortium (29%). **WE AREN'T JUST GOING TO CALL THIS DISTRICTS OUT WITHOUT FIRST TALKING WITH THEM—WHAT'S THE REASON BEHIND THE LAG?**

## Concentrators

- ▶ In addition to having the highest rate of CTE participants, the Livingston Area EFE also had the highest percentage of high school students who are CTE concentrators (64%) and the highest percentage of CTE participants who become concentrators (76%). **PLAN TO MEET WITH THEM TO SHARE THEIR SECRET SAUCE**
- ▶ The Clay/Jasper/Richland/N Wayne RDS EFE had 50% of high school student becoming CTE concentrators.
- ▶ All other EFEs had fewer than 50% of high school students going on to become CTE concentrators.

# **PROGRAMS OF STUDY**

# Agriculture, Food & Natural Resources

- ▶ Of the 46 EFEs included in this analysis, a third had over 40% of their CTE concentrators participating in the Agriculture, Food & Natural Resources program of study.
- ▶ Agriculture students represented 10% of all CTE concentrators statewide with 19,711 students.
- ▶ Statewide, 61% of Agriculture, Food & Natural Resources concentrators are female, nearly half of all Agriculture, Food & Natural Resources concentrators were low-income students and 88% are white.
- ▶ **88% of female Agriculture, Food & Natural Resources participants become concentrators—the highest conversion rate in the state for any group or pathway.**
- ▶ **DO WE HAVE PROGRAM SPECIFIC POSTSECONDARY ENROLLMENT DATA OR CAREER PLACEMENT DATA?**

# of HSs offering this program of study	# of ACCs offering this program of study
407	9

# Architecture & Construction

- ▶ In the Moraine Area Career System 30% of CTE concentrators participated in the Architecture & Construction program of study, the highest percentage statewide. Central Ill Rural Region, Livingston Area, and Williamson County each had 24% of their CTE concentrators participating in the program of study.
- ▶ Architecture & Construction students represented % of all CTE concentrators statewide with 14,136 students.
- ▶ Statewide, 87% of Architecture & Construction concentrators are male and nearly half are low-income students.
- ▶ **White students were overrepresented but 22% of the program’s concentrators were Hispanic/Latino and Hispanic/Latino CTE participants were more likely to become Architecture & Construction concentrators than any other demographic group.**
- ▶ **With 495 high schools offering Architecture & Construction programs it is the most offered program in the state.**
- ▶ **DO WE HAVE ANY DATA TO SHOW UNDERSERVED POPS ARE MOVING INTO THIS PROGRAM? THIS IS A REAL POINT OF INTEREST FOR CHAIR DAVIS**

# of HSs offering this program of study	# of ACCs offering this program of study
495	22

## Arts, AV, Tech & Communications

- ▶ Arts, AV, Tech & Communication concentrators represented 20% of CTE concentrators at Morton Regional Delivery System EFE followed closely by the Career Education Association of Northern Central Illinois' 17%.
- ▶ 43 out of 47 analyzed EFEs had fewer than 10% of CTE concentrators in the program of study.
- ▶ Statewide, Arts, AV, Tech & Communications concentrators represented 4% of CTE concentrators.

# of HSs offering this program of study	# of ACCs offering this program of study
331	13

## Business Management & Administration

- ▶ In the Clay/Jasper/Richland/N Wayne EFE system 25% of CTE concentrators participated in the Business Management & Administration program of study, the highest percentage statewide.
- ▶ In the Career Education Association of Northern Central Illinois, Moraine Area Career System, and the North Suburban Education Region for Vocation EFE districts approximately a quarter of their CTE concentrators participated in the program of study.
- ▶ Statewide, Business Management & Administration concentrators represented 8% of CTE concentrators with 16,795 students. 65% of Business Management & Administration concentrators are male and 59% are white.
- ▶ With 487 high schools offering this program of study, it is one of the most offered programs of study in the state.

### ▶ WHERE IS CPS ON THIS PATHWAY?

# of HSs offering this program of study	# of ACCs offering this program of study
487	7



# Education

- ▶ Both the Career Education Association of Northern Central Illinois and the Northwest Educational Council for Student Success had 12% CTE concentrators participating in the Education program of study followed closely by the Career & Tech Education Consortium with 11%.
- ▶ A third of the analyzed EFE districts had **no Education concentrators**. In the remaining EFEs (63%) fewer than 10% of CTE concentrators were in the program of study.
- ▶ Statewide, 7,609 students were Education concentrators representing 4% of the state's total number of CTE concentrators.
- ▶ **92% of Education concentrators were female, the highest percentage of female concentrators in the state. 29% of all Education concentrator are Hispanic/Latina, 53% are white, and 42% are low income.**
- ▶ 10% of Education concentrators are Black which mirrors the percentage of all concentrators but under-representative of all Black students (16%).
- ▶ **Statewide, a third of all Education participants go on to become concentrators. Males are significantly less likely to become concentrators than females.**

# of HSs offering this program of study	# of ACCs offering this program of study
306	18

# Finance

- ▶ Nearly a quarter (22%) of North Suburban Educational Region for Vocational Education EFE concentrators participated in the Finance program of study, leading a list of seven EFEs with over 10% of CTE concentrators participating in the program of study.
- ▶ The remaining 40 EFEs had fewer than 10% of CTE concentrators participating in the program of study.
- ▶ Statewide, Finance concentrators represented 6% of CTE concentrators. 67% of Finance concentrators are male and 61% are white.
- ▶ **Only 19% of Finance participants go on to become concentrators, the lowest conversion rate in the state.**

# of HSs offering this program of study	# of ACCs offering this program of study
431	0

# Government & Public Administration

- ▶ The Government & Public Administration program of study is the least popular program of study statewide with only two EFEs Tazewell County and DuPage Area Occupational Education System, having a over 10 Government & Public Administration concentrators. Statewide, there were only 160 concentrators in the program of study.
- ▶ While the Government & Public Administration program of study was the least popular in the state overall, it has the highest participation rate for Black concentrators, concentrators with IEPs and low-income concentrators.
- ▶ 45% of all Government & Public Administration participants go on to become concentrators. 92% of English Language Learner participants and 95% of IEP participants go on to become concentrators.
- ▶ Statewide, the program of study had the fewest number of high schools offering the program.
- ▶ WHY DOES THE LEAST POPULAR PROGRAM IN THE STATE HAVE THE MOST BLACK, LOW INCOME, AND IEP STUDENTS (OFC 1 STUDENT MIGHT CHECK ALL 3 OF THOSE BOXES BUT ITS AWFULLY CONCENTRATED HERE)

# of HSs offering this program of study	# of ACCs offering this program of study
5	0

# Health Science

- ▶ The Northern Kane County and Chicago Public Schools EFE districts were the only EFEs to have over 10% of CTE concentrators participating in the Health Science program of study, with 13% and 11% of concentrators, respectively.
- ▶ There were 5,646 Health Science concentrators in the state, representing only 3% of all CTE concentrators.
- ▶ 82% of Health Science concentrators are female, 43% are white, 28% are Hispanic/Latino, and 16% are Black, making it the pathway that most matches statewide enrollment percentages.
- ▶ 32% of Health Science participants go on to become concentrators but males, students with IEPs and Els are less likely to become concentrators.
- ▶ With 24 Area Career Centers offering Health Science programs it is one of the most offered programs at ACCs
- ▶ SURPRISED TO SEE THIS PATHWAY IS NOT POPULAR BUT IT IS EQUITABLE! THERE MUST BE JOBS IN MOST PART OF THE STATE, WHY THE LAG? TRANSPORTATION?

# of HSs offering this program of study	# of ACCs offering this program of study
414	24

# Hospitality & Tourism

- ▶ The Southwestern Illinois Career & Technical Education System and Marion/Clinton/Washington County EFE districts each had 52% of their CTE concentrators participating in the Hospitality & Tourism pathway. **DO THEY HAVE JOB DATA TO BACK UP THESE CONCENTRATOR RATES?**
- ▶ The next highest rate of concentrator participation in the program of study was Jackson/Perry County Regional Delivery System and the Tazwell County Area EFE each with a quarter of all CTE participants participating in the program of study.
- ▶ 40% of the analyzed EFEs had over 15% of their CTE concentrations in Hospitality & Tourism.
- ▶ **Statewide, over 20,000 students concentrated in the program of study, representing 11% of all CTE concentrators making it the second most popular program of study for CTE students.**
- ▶ A slightly majority (54%) of concentrators are female and both Black and Hispanic/Latino participation rates, 14% and 24% respectively, match statewide enrollment percentages.
- ▶ Slightly less than a third of Hospitality & Tourism participants go on to become concentrators and that conversion rate carries for all analyzed demographic groups.
- ▶ **With 493 high schools offering Hospitality & Tourism programs it is the second most offered program in the state, with 2 fewer programs than the most commonly offered program of study, Architecture & Construction.**
- ▶ **IS THIS CULINARY ARTS?**

# of HSs offering this program of study	# of ACCs offering this program of study
493	20

# Human Services

- ▶ **Human Services is the most popular program of study in the state representing 18% of all CTE concentrators statewide.**
- ▶ Three EFEs have over 50% of their CTE concentrators in the Human Services program of study: Peoria Education Region for Employment Training, Southwestern Illinois Career & Technical Education System, and Marion/Clinton/Washington County.
- ▶ 28 EFEs had between 49% and 21% of concentrators in the program of study. Only 1 EFE had 0% of their CTE concentrators focused on the Human Services, Kishwaukee Education Consortium.
- ▶ 75% of the Human Services concentrators are female, making it one of the most popular programs for female students.
- ▶ **Overall, 63% Human Services participants become concentrators, the highest rate of concentrators for any program of study in the state.**
- ▶ **IS THIS EARLY CHILDHOOD? OTHER PATHWAYS?**
- ▶ **ANY EXAMPLES OF HOW THIS PATHWAY HAS ON/OFF RAMPS THAT LEAD TO HIGHER WAGES LATER IN CAREER? SO MANY FEMALES GOING INTO LOW WAGE PATHWAYS**

# of HSs offering this program of study	# of ACCs offering this program of study
443	22

# Information Technology

- ▶ The Southwestern Illinois Career & Technical Education System and the Marion/Clinton/Washington County EFE both had the highest percentage of CTE concentrators in the Information Technology program of study (34%), followed closely by the Vermillion Vocational Education Delivery System EFE (30%).
- ▶ Twelve EFEs had 21-10% of their CTE concentrators in the program of study, the remaining 31 EFEs had fewer than 10% of their CTE concentrators focusing on Information Technology.
- ▶ Statewide, the Information Technology program of study accounted for 6% of CTE concentrators with 11,817 students.
- ▶ **77% of Information Technology concentrators are male.**
- ▶ **Only 16% of female IT participants go on to become concentrators, the lowest conversion rate for any demographic group for this program of study.**

# of HSs offering this program of study	# of ACCs offering this program of study
444	16

# Law, Public Safety, Corrections & Security

- ▶ Chicago Public Schools EFE led the state with 9% of CTE concentrators participating in the Law, Public Safety, Corrections & Security program of study.
- ▶ The rest of the analyzed EFEs had 3% or fewer CTE concentrators in this program of study and **most EFEs had 0% of CTE concentrators in the program of study.**
- ▶ **Slightly over a third of all Law, Public Safety, Corrections & Security concentrators are Hispanic/Latino, the highest participation rate in the state for Hispanic/Latino concentrators.**
- ▶ Nearly, half of the concentrators are low-income students and a slight majority are female.
- ▶ Almost a third of all participants go on to become concentrators. Hispanic/Latino students are more likely to become concentrators but EL students are significantly less likely.
- ▶ With only 252 high schools offering Law, Public Safety, Corrections & Security programs it is one of the least offered programs in the state.
- ▶ **HAS PARTICIPATION IMPROVED WITH THE POLICE TRAINING ACADEMY?**

# of HSs offering this program of study	# of ACCs offering this program of study
252	21

# Manufacturing

- ▶ In the Central Illinois Rual Region EFE 23% of CTE concentrators participated in the Manufacturing program of study, the highest percentage statewide.
- ▶ Less than 20% of CTE concentrators in the remaining EFE districts were Manufacturing concentrators. Slightly less than half of the EFEs (46%) had 5% or less of their CTE concentrators focused on Manufacturing.
- ▶ Statewide, 11,389 students were Manufacturing concentrators representing 6% of all concentrators.
- ▶ 88% of Manufacturing concentrators are male, the highest participation rate in the state for male concentrators.
- ▶ **35% of participants go on to become concentrators with the highest conversion rates for students who are Hispanic/Latino, males, white, or have an IEP.**
- ▶ With 24 Area Career Centers offering Health Science programs it is one of the most offered programs at ACCs

▶ **IS THIS LIMITED BY FACILIITES/EQUIPTMENT? WHAT ABOUT MORE PARTNERSHIPS WITH CCs?**

# of HSs offering this program of study	# of ACCs offering this program of study
431	24

# Marketing

- ▶ Marketing concentrators represented 19% of CTE concentrators at North Suburban Education Regions for Vocation, the highest rate in the state.
- ▶ Slightly less than half of the remaining EFEs had 0% of their concentrators within the program of study with the majority of EFEs ranging from 16-1% of their concentrators participating in the Marketing program of study.
- ▶ Statewide, there were 8,663 Marketing concentrators representing 4% of all concentrators. 69% of all Marketing concentrators are male.
- ▶ Male, Hispanic/Latino, and white students are more likely to concentrate while female, EL, and IEP students are less likely to concentrate.
- ▶ **With only 242 high schools and 3 Area Career Centers offering Marketing programs it is one of the least offered programs in the state.**

# of HSs offering this program of study	# of ACCs offering this program of study
242	3

# STEM

- ▶ The Lake County Area Vocational System, Chicago Public Schools, and Des Plaines Valley EFEs had 17% of their CTE concentrators participating in STEM programs of study.
- ▶ Nineteen EFEs had 15-1% of concentrators in the program of study with the remaining **24 EFEs having 0% of their concentrators participating in a STEM program of study.**
- ▶ The STEM program of study had 9,311 concentrators representing 5% of all CTE concentrators statewide.
- ▶ **78% of all STEM concentrators are male, 47% are white, 28% are Hispanic/Latino but only 7% are Black students.**
- ▶ **38% of STEM participants go on to become concentrators, which is a strong conversion rate.**
- ▶ **With only 197 high schools and 3 Area Career Centers offering STEM programs it is the least offered program in the state.**
- ▶ **WHAT ENDORSEMENTS OR PATHWAYS FIT UNDER THIS? WHAT DO DISTRICTS NEED TO SCALE THIS UP?**

# of HSs offering this program of study	# of ACCs offering this program of study
197	3

# Transportation, Distribution & Logisitcs

- ▶ In the Morton Regional Delivery EFE lead the state with 43% of their CTE concentrators participating in the Transportation, Distribution & Logistics program of study.
- ▶ Livingston Area, McHenry County Cooperative both had nearly a quarter of their CTE concentrators in the program of study. The remaining EFEs had less than 16% of their concentrators in the program of study.
- ▶ **Statewide, Transportation, Distribution & Logistics concentrators represented 8% of all CTE concentrators with 9,533 students. The vast majority of concentrators are male (92%) and over a third are Hispanic/Latino.**
- ▶ **12% of Transportation, Distribution & Logistics concentrators are English Language Learners, the highest percentage in the state.**
- ▶ **36% of participants go on to become concentrators, which is a strong conversion rate but only 16% of female participants continue to become concentrators.**
- ▶ With 25 Area Career Centers offering Health Science programs it is the most offered program at ACCs.

# of HSs offering this program of study	# of ACCs offering this program of study
420	25

# OTHER QUESTIONS

- ▶ What can the legislature do to better support more CTE programs of study?
- ▶ Does any of this data sound sus?
- ▶ Anticipated EFEs/HSs reaction?
- ▶ Any messages or policies that are forthcoming from ISBE that we can lay groundwork for or help build support?
- ▶ Federal funding uncertainties?
- ▶ Dual credit CTE story?