Pathway, I Got Your Pathway…

Data Tools for 3 Year Planning and Pathway Development

Data are just signposts to help you
Understand the change you want to be…….

AEP has Many Metrics

Region or Consortia

Statewide ▾

Institution

All ▾

Academic Year

2015-2016 ▾

View

Home ◷ **Summary** ➡ Definitions

AEP Score Card

The Score Card provides a snapshot view of the metrics reported annually to the legislature for Adult Education in California.
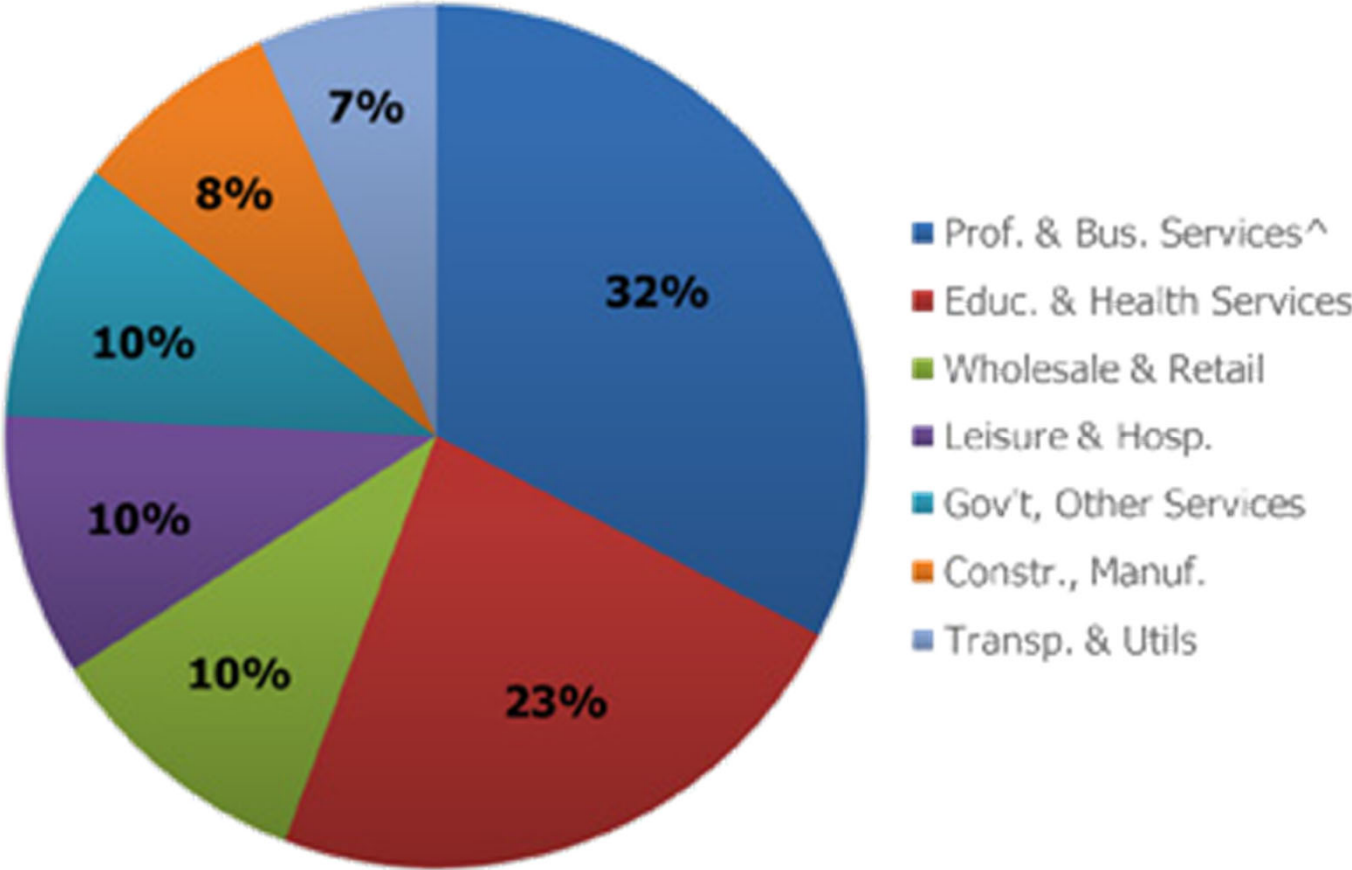
Drilldown

Time Trend ⌄

⌄ TOTAL ADULTS SERVED – INSTRUCTIONAL PROGRAMS AND SERVICES: **818,968**

⌄ TOTAL PARTICIPANTS WITH 12+ INSTRUCTIONAL CONTACT HOURS: **548,160**

⌄ IMPROVED ONE OR MORE EDUCATIONAL FUNCTIONING LEVELS: **101,458**

⌄ COMPLETED A WORKFORCE PREPARATION MILESTONE: **19,518**

⌄ PARTICIPANTS WHO EARNED A DIPLOMA, GED, OR HIGH SCHOOL EQUIVALENCY: **13,748**

⌄ TRANSITIONED TO POSTSECONDARY: *

⌄ PARTICIPANTS WHO COMPLETE A POSTSECONDARY CREDENTIAL: **27,291**

⌄ SECOND QUARTER EMPLOYMENT : *

⌄ FOURTH QUARTER EMPLOYMENT: *

⌄ MEDIAN ANNUAL EARNINGS: *

⌄ CHANGE IN EARNINGS : *

AEP has Many Customers

Immigrants   Unemployed Adults   Adults wo HS Diploma   Adults with low basic literacy

Previously incarcerated   Homeless or Formerly homeless   Displaced Homemakers

Adults on Public Assistance   Older Adults   Adults with Disabilities   Former Foster Youth

AEP Serves a Diverse Economy

- Prof. & Bus. Services^ — 32%
- Educ. & Health Services — 23%
- Wholesale & Retail — 10%
- Leisure & Hosp. — 10%
- Gov't, Other Services — 10%
- Constr., Manuf. — 8%
- Transp. & Utils — 7%

AEP has to Connect Complex Systems

Community College

Construction/Skilled Trades | **Energy/Bldg Control Sys** | **Manufacturing/Industrial Maintenance** | **Automotive**

Degrees

Construction/Skilled Trades:
- Constr Building Insp DVC
- Constr Supervision DVC
- Constr Management DVC
- Plumbing/Steamfitting DVC

Energy/Bldg Control Sys:
- HVAC DVC
- Energy Systems DVC

Manufacturing/Industrial Maintenance:
- Electronic Technology DVC
- Electrical Engineering DVC
- Appliance Service LMC
- Instrumentation Tech LMC
- Electrical Technology LMC
- Process Technology LMC
- Welding Technology LMC

Automotive:
- Automotive Collision CCC
- Automotive Services CCC
- Automotive Tech LMC

Certificates of Achievement

Construction/Skilled Trades:
- Construction & Building Inspect — 33/48 units DVC
- Constr Supervision — 30/42 units DVC
- Plumbing — 28/42 units DVC
- Steamfitting — 21/52.5 units DVC
- Preapprentice — 18 units DVC

Energy/Bldg Control Sys:
- Energy Systems — 26 units DVC
- HVAC — 18 units DVC

Manufacturing/Industrial Maintenance:
- Industrial Maint. Mechanic — 37/55.5 units DVC
- Appliance Svs Technology I, II — 18/27,26/39 units - LMC
- Electric/Electronic Technology — 26/39 units DVC
- Electrical Technology — 42/63 units LMC
- Process Technology — 35/53 units LMC
- Welding Technology — 33.5/50 units LMC

Automotive:
- Automotive Technology — 18/27-LMC, 30/45-CCC
- Automotive Collision Repair — 37/55.5 units CCC
- Engine Perf LMC
- Engine Machine LMC
- Auto Chassis LMC
- Auto Collision CCC
- Refrigeration LMC
- Auto Air Cond LMC

Low Unit Certificates

Construction/Skilled Trades:
- Plumbing DVC
- Steamfitting DVC
- Process Tech LMC

Energy/Bldg Control Sys:
- Energy Systems - 14 DVC

Manufacturing/Industrial Maintenance:
- Welding LMC
- Appliance Electrical LMC

Common/Hinge Courses

Intro to Industrial Trades

K12 Adult Schools

Apprenticeship

- Electrical-302 Ma
- BART Elevator - Ma
- AC Transit - Ma
- NorCal Elevator - Ma
- Heat & Frost-Loc 16
- CalTrans Paint - Ma
- Roofing/Water - Ma

Entry-Level Certificates/Courses

- Futurebuild Preappr - Pi
- Solar Tech (OSHA 10) - WC, Li
- Custodial - Pi
- Building Maint Cert - WC
- Electrical Controls - WC
- HVAC I, II - WC
- Welding Cert - WC
- Facility Maint Oper - WC
- General Auto - Li

Metrics are Student Journeys in Action

AEBG Student Progress Framework

Completion by Design Momentum Framework	Connection	Entry	Progress		Completion	
AEBG Objectives	Objectives 1, 2, 4		Objectives 3, 5		Objectives 5, 6, 7	
AEBG Indicator Framework	Adults Served	Participants	Student Progress	Transition	Completion	Outcomes After Exit
AEBG Metrics	Reportable Individual: 1+ hour or svsl	Participant: 12+ contact hours	Interim Progress Meas's 1. EFL Level Attainment 2. CB21 Level Progress 3. Occup. Skills Gain 4. Workforce Prep MS	ABE/ESL to ASE Transition to Postsecondary	HS Diploma or Equivalent Postsecondary Credential	Employment Wage Increase College Credit Award
Activities	1. Expand/improve outreach & marketing to target populations 2. Improve/redesign student intake processes 3. Deeper engagement w students regarding goals and longer term educational opportunity 4. Improve initial student data collection		1. Increase number of ABE/ASE/ESL courses based on community need/demand 2. Reallocate offerings geographically based on regional demographic shifts 3. Increase course articulation agreements or dual/co-enrollment between K12 & CC 4. Increase offerings & enrollment in IET & pathway programs 5. Implement consortia-wide agreement for placement into college level courses using EFL's and other student persistence measures		1. Increase offering of postsecondary CTE credential programs 2. Improve alignment of CTE credential programs with labor mkt demand 3. Increase offerings & enrollment in IET & pathway programs 4. Improve information about pathways and career opportunities at intake 5. Increase articulation & dual/co-enrollment between K12 AE/CC 6. Improve collection of emp/wage data 7. Increase student participation in WBL activities connect to pathways	

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Key Questions....

Who are my customers?

What are the most critical unaddressed needs in my community?

What are my missed Opportunities – educationally, economically?

What strategies will best move the needle?

What metrics or data points will I use to validate success?

How can you use multiple sources of information to build a story about your community and how you will help create change?

Contra Costa AEBG Health Care Pathways

Community College

Degrees

| Dental Assisting DVC | Dental Hygiene DVC | RN-Registered Nurse CCC, LMC | Medical Assisting and Office CCC |

Certificates of Achievement

| Dental Assisting 45/60 units DVC | LVN-Licensed Vocational Nurse 40 units LMC | Medical Assisting 37 units CCC |

Low Unit/Entry Level Certificates

| Certified Nursing Assistant (CNA) CCC | Emergency Medical Technician CCC, LMC | Basic Medical/Clerical/Records Clerk LMC |

Common/Hinge Courses

Medical Terminology   Intro to Health Care Careers

K12 Adult Schools

Mid-Level Certificates

| Medical Front Office An, Ma, Pi, (WC) | Clinical Medical Assistant An, Li, Mt, Pi | Medical Billing & Coding Li, Ma, Pi, (WC) | Surgical Technologist Mt | Pharmacy Technician Li, Pi | Dental Assistant Li, Mt |

Entry-Level Certificates

| Nursing Assist. (CNA) Ac, Li, Pi | Home Health Aide Li, Pi, WC | Emerg. Medical Tech. Mt | Plebotomy Tech Li |

Common Courses Short Certificates

Medical Terminology   Intro to Anatomy/Physiology   CPR   First Aid   BLS   Cont. Ed

Contra Costa AEBG Information Technology Pathways

Community College

Degrees

Computer Info Systems DVC	Computer Science DVC; LMC; CCC	Computer Suppt Specialist DVC	Computer Network Tech. LMC; CCC	Computer Operations CCC	Computer Programming CCC

Certificates of Achievement

Computer Tech Support 23 units DVC	Database Management 18 units DVC	Project Management 18 units DVC	Web Graphics 18 units DVC	Web Development 18 units DVC	Computer Suppt Specialist 33 units LMC
Computer Suppt Specialist (Basic) 16.5 units LMC	Computer Applications Spec. 33 units LMC	Game Design 15 units LMC	Networking & Security 16 (Basic) 31 (Adv) LMC	Network Technology 19 units CCC	Computer Programming 21.5 units CCC
Computer Operations 24 units CCC					

Low Unit Certificates

Computer Tech Support 14 - DVC	Program Design 12 - DVC	Mobile Enterprise Java 12 - DVC	Computer Architecture 12 - DVC	Advanced Java 12 - DVC	Advanced C++ 12 - DVC
Computer User Support 12 - DVC	CIS Core 12 - DVC	Web Technology 6 - DVC	Web Graphics 6 - DVC	Project Mnmgt 6 - DVC	Database Mngmt 6 - DVC
Comsci Foundation 11 - LMC	Comsci Core Comps 12 - LMC	PC Repair Tech 7.5 - LMC	Web Design 10 - DVC	Wireless Networks 4 - CCC	Security Systems 4 - CCC
Fiber Optic/Copper 4 - CCC	Network Comm 3 - CCC				

Common/Hinge Courses

K12 Adult Schools

Entry-Level Certificates/ Courses

MS Office- Li; Ma; Mt; Wc	CISCO Cert 1,2,3,4 - Pi

Contra Costa AEBG Health Care Pathways

Community College

Degrees

Dental Assisting DVC	Dental Hygiene DVC	RN-Registered Nurse CCC, LMC	Medical Assisting and Office CCC

Certificates of Achievement

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Common/Hinge Courses

Medical Terminology   Intro to Health Care Careers

K12 Adult Schools

Mid-Level Certificates

Medical Front Office An, Ma, Pi, (WC)	Clinical Medical Assistant An, Li, Mt, Pi	Medical Billing & Coding Li, Ma, Pi, (WC)	Surgical Technologist Mt	Pharmacy Technician Li, Pi	Dental Assistant Li, Mt

Entry-Level Certificates

Nursing Assist. (CNA) Ac, Li, Pi	Home Health Aide Li, Pi, WC	Emerg. Medical Tech. Mt	Plebotomy Tech Li

Common Courses Short Certificates

Medical Terminology   Intro to Anatomy/Physiology | CPR | First Aid | BLS | Cont. Ed |
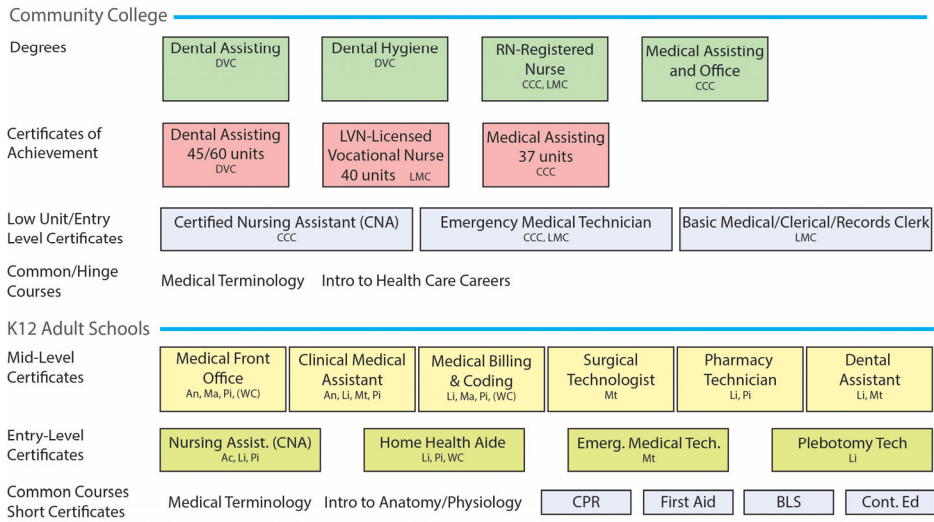

Exhibit 38: Five-Year Projections for Health Care Practitioner & Technical Occupations

SOC	Occupation	2015 Jobs	5-Yr Change	5-Yr % Change	Annual Replace-place-ments	Annual Openings
29-1141	Registered Nurses	74,038	10,362	14%	1,949	4,021
29-2061	Licensed Practical and Licensed Vocational Nurses	22,611	3,267	14%	719	1,372
29-2052	Pharmacy Technicians	8,745	958	11%	93	285
29-2041	Emergency Medical Technicians and Paramedics	4,348	929	21%	81	267
29-2071	Medical Records and Health Information Technicians	5,258	674	13%	128	263
29-2012	Medical and Clinical Laboratory Technicians	5,445	580	11%	140	256
29-1126	Respiratory Therapists	4,422	467	11%	112	206
29-2034	Radiologic Technologists	4,812	510	11%	98	200
29-2021	Dental Hygienists	5,182	533	10%	91	198
29-2011	Medical and Clinical Laboratory Technologists	3,353	416	12%	87	171
	Total	**138,214**	**18,696**	**14%**	**3,499**	**7,238**

SOC	Occupation	2015 Jobs	5-Yr Change	5-Yr % Change	Annual Re-placements	Annual Openings
31-1011	Home Health Aides	18,658	10,322	55%	587	2,651
31-1014	Nursing Assistants	35,345	6,926	20%	902	2,287
31-9092	Medical Assistants	22,921	3,136	14%	535	1,162
31-9091	Dental Assistants	12,066	1,038	9%	315	523
31-9011	Massage Therapists	6,679	1,145	17%	55	284
31-9097	Phlebotomists	3,917	404	10%	88	169
31-9099	Health care Support Workers, All Other	3,051	317	10%	72	135
31-2021	Physical Therapist Assistants	1,301	351	27%	45	115
31-9093	Medical Equipment Preparers	1,654	190	11%	38	76
	Total	**105,592**	**23,830**	**23%**	**2,637**	**7,403**

Today Is...

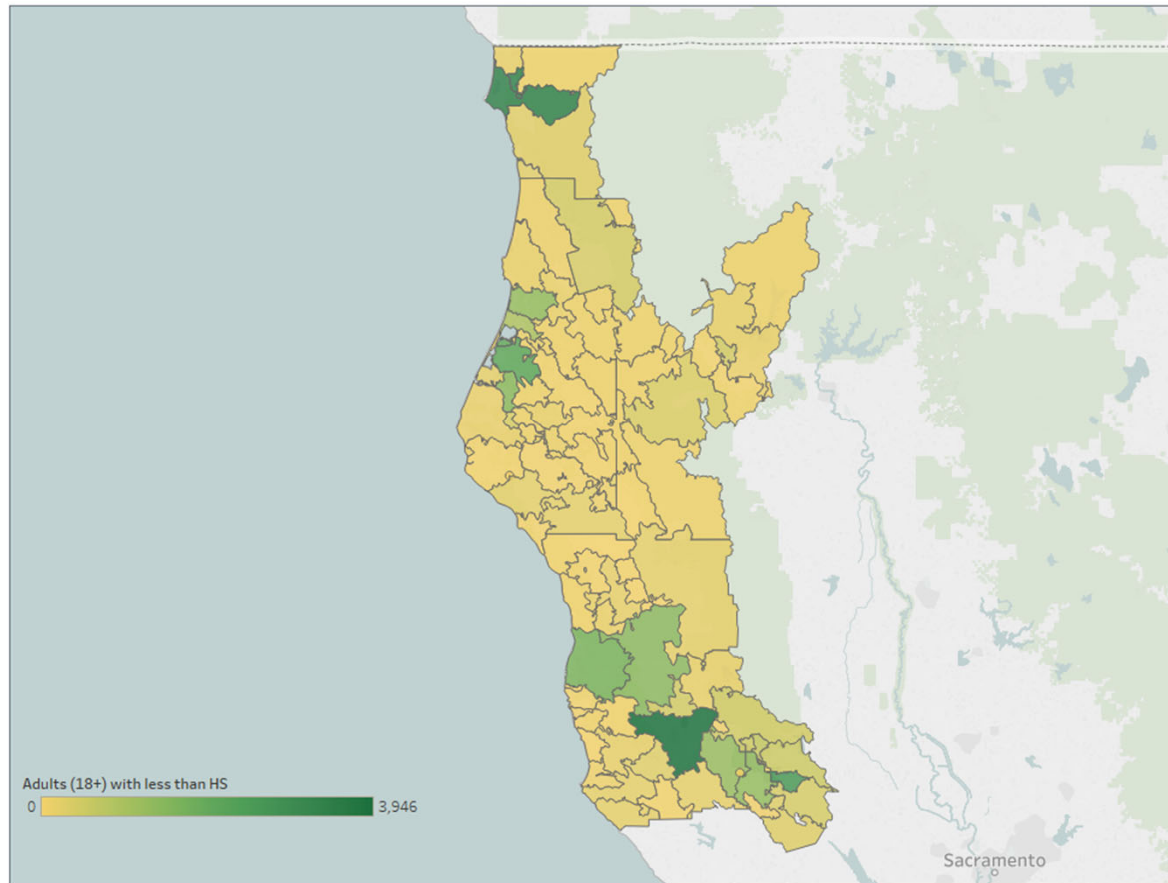1. Better understanding of what data tools are available to you
2. Ideas about how to use data tools to have planning conversations
3. Identify some key questions that you can take back to your consortium
4. Data as part of a culture of inquiry

Today Is Not...

1. To review reporting processes for TE or MIS reporting or data collection
2. Deep discussions about the AEP metrics framework or all the metric definitions

Community Needs and Customer Segmentation

Adults (18+) with less than High School (or equivalency) in Northern Coastal Micro Region

Adults (18+) with less than HS
0 ——————————— 3,946

Supply and Demand Data Sets

To View your Demand Side Data BELOW make your selections in the boxes on the RIGHT. Refer to the TIP box (top right) for help. Click the "SOC Code Search" box BELOW to navigate away from this page to the Instructions tab for help on chosing SOC codes.

REFRESH - Clear All Filters

TIP: To filter your choices, click on your selection in the boxes below. To select more than one option within a box, hold down the Control Key while making your selections.

SOC Code Search

Regions
- Central
- Desert
- LA_Orange
- North Far North
- San Diego/Imperial...

Economic Subregions
- East Bay
- Greater Sacramento
- Inland Empire/Desert
- Los Angeles
- Mid-Peninsula

Counties
- Alameda
- Alpine
- Amador
- Butte
- Calaveras

SOC Code	Occupational Title	Typical Entry Level	2015 Jobs	2018 Jobs	2015-18 Change	% Change 2015-18	Openings (New + Replace-ments)	Annual Openings	10% Hourly Earnings	Median Hourly Earnings
11-1011	Chief Executives	Bachelor's degree	41,769	42,444	675	1.6%	3,034	1,011	$39.40	$81.43
11-1021	General and Operations Managers	Bachelor's degree	277,743	292,361	14,618	5.3%	36,591	12,197	$23.61	$53.80
11-1031	Legislators	Bachelor's degree	3,521	3,678	157	4.5%	418	139	$16.66	$28.29
11-2011	Advertising and Promotions Managers	Bachelor's degree	4,187	4,380	193	4.6%	619	206	$23.28	$46.83
11-2021	Marketing Managers	Bachelor's degree	34,550	36,547	1,997	5.8%	4,557	1,519	$40.75	$74.38
11-2022	Sales Managers	Bachelor's degree	68,084	70,065	1,981	2.9%	6,999	2,333	$23.72	$54.91
11-2031	Public Relations and Fundraising Managers	Bachelor's degree	6,912	7,343	431	6.2%	1,172	391	$31.22	$59.52
11-3011	Administrative Services Managers	Bachelor's degree	42,269	44,347	2,078	4.9%	4,550	1,517	$25.29	$46.81
11-3021	Computer and Information Systems Managers	Bachelor's degree	51,383	55,976	4,593	8.9%	6,557	2,185	$46.67	$79.21
11-3031	Financial Managers	Bachelor's degree	77,004	78,922	1,918	2.5%	8,113	2,704	$35.06	$63.90
11-3051	Industrial Production Managers	Bachelor's degree	20,209	19,918	(291)	(1.4%)	1,961	654	$27.66	$46.54
11-3061	Purchasing Managers	Bachelor's degree	8,569	8,736	166	1.9%	841	280	$29.25	$54.69
	Transportation, Storage,									

SOC ...
- 11-1011
- 11-1021
- 11-1031
- 11-2011
- 11-2021
- 11-2022

Occupational Titles
- Accountants and Auditors
- Actors
- Actuaries
- Adhesive Bonding Machine Oper...
- Administrative Law Judges, Adju...
- Administrative Services Managers

Skill Level
- Middle Skill
- Below Middle Skill
- Above Middle Skill
- n/a

INSTRUCTIONS | **DEMAND LMI** | Data Definitions | Interpreting Data | +

LaunchBoard Adult Education Pipeline

24,109
Total Adults Served

AEP Score Card
Consortium, member, and regional performance on the Measuring Our Success metrics

ESL   ABE   ASE   CTE

Students and Programs
Explore program enrollment, student demographics, and barriers to employment

Improved One or More EFL's

Progress
Learn about skills gains in adult basic education, ESL, workforce preparation, and CTE programs

1% Transitioned to ASE

5% Transitioned to Postsecondary

Transition
Learn about student transition into postsecondary education and college credit pathways

Low-Unit Cert   High-Unit Cert   Postsecondary Credential

Success
Information on completion of diplomas, certificates, and college credit awards

$18,019

31% Earnings Gain

Employment and Wages
Access 2nd and 4th quarter employment, annual earnings, and earning gains data