

Medical Assistants Labor Market Information Report Merritt College

Prepared by the San Francisco Bay Center of Excellence
for Labor Market Research
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Recommendation

Based on all available data, there appears to be an undersupply of Medical Assistants compared to the demand for this occupation in the Bay region and in the East Bay sub-region (Alameda and Contra Costa Counties). The gap is about 2,600 students annually in the Bay region and 874 students annually in the East Bay sub-region.

This report also provides student outcomes data on employment and earnings for programs on TOP 1208.10 - Clinical Medical Assisting in the state and region. It is recommended that this data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Merritt College and in the region.

Introduction

This report profiles Medical Assistants in the 12 county Bay region and in the East Bay sub-region for a proposed new program at Merritt College.

- **Medical Assistants (SOC 31-9092):** Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician. Excludes "Physician Assistants" (29-1071).

Entry-Level Educational Requirement: Postsecondary nondegree award

Training Requirement: None

Percentage of Community College Award Holders or Some Postsecondary Coursework: 66%

Occupational Demand

Table 1. Employment Outlook for Medical Assistants in Bay Region

Occupation	2017 Jobs	2022 Jobs	5-Yr Change	5-Yr % Change	5-Yr Openings	Annual Openings	10% Hourly Wage	Median Hourly Wage
Medical Assistants	19,047	21,827	2,780	15%	13,344	2,669	\$13.41	\$19.76

Source: EMSI 2018.4

Bay Region includes Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Medical Assistants in East Bay Sub-Region

Occupation	2017 Jobs	2022 Jobs	5-Yr Change	5-Yr % Change	5-Yr Openings	Annual Openings	10% Hourly Wage	Median Hourly Wage
Medical Assistants	6,217	7,140	923	15%	4,371	874	\$12.58	\$18.39

Medical Assistants in 12 County Bay Region and in East Bay Sub-Region, 2018

Source: EMSI 2018.4

East Bay Sub-Region includes Alameda and Contra Costa Counties

Job Postings in Bay Region and East Bay Sub-Region

Table 3. Number of Job Postings by Occupation for latest 12 months (Nov 2017 - Oct 2018)

Occupation	Bay Region	East Bay
Medical Assistants (31-9092.00)	3,094	871

Source: Burning Glass

Table 4. Top Job Titles for Medical Assistants for latest 12 months (Nov 2017 - Oct 2018)

Common Title	Bay	East Bay	Common Title	Bay	East Bay
Medical Assistant	1,233	371	Medical Office Assistant	48	9
Certified Medical Assistant	214	32	Clinical Assistant	41	4
Medical Assistant, Information And Technology Industry	98	38	Medical Assistant, Pool	41	19
Medical Assistant, Clinic	97	24	Dermatologist	35	8
Office Assistant	87	22	Medical Support Assistant	35	6
	74	33	Medical Assistant, Family Medicine	32	8
Chiropractic Assistant					
Medical Assistant, Urgent Care	72	30	Neurologist	27	13
Client Service Coordinator	69	21	Patient Services Specialist	24	2

Source: Burning Glass

Industry Concentration

Table 5. Industries hiring Medical Assistants in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2017)	Jobs in Industry (2022)	% Change (2017-22)	% in Industry (2017)
Offices of Physicians (except Mental Health Specialists) (621111)	7,156	7,233	6%	37.4%
HMO Medical Centers (621491)	3,873	3,952	32%	20.4%
General Medical and Surgical Hospitals (622110)	1,644	1,657	3%	8.6%
Hospitals (Local Government) (903622)	765	783	13%	4.1%
Freestanding Ambulatory Surgical and Emergency Centers (621493)	605	609	38%	3.2%
All Other Outpatient Care Centers (621498)	423	455	37%	2.4%
Offices of Chiropractors (621310)	444	449	4%	2.3%
Offices of Optometrists (621320)	403	402	9%	2.1%
Kidney Dialysis Centers (621492)	312	323	21%	1.7%
Colleges, Universities, and Professional Schools (611310)	287	294	11%	1.5%
Colleges, Universities, and Professional Schools (State Government) (902612)	277	287	12%	1.5%
Hospitals (State Government) (902622)	252	257	31%	1.3%
Assisted Living Facilities for the Elderly (623312)	229	232	17%	1.2%
Offices of All Other Miscellaneous Health Practitioners (621399)	190	191	22%	1.0%
Offices of Physicians, Mental Health Specialists (621112)	182	188	25%	1.0%

Source: EMSI 2018.4

Table 6. Top Employers Posting Jobs for Medical Assistants in Bay and East Bay Sub-Region (Nov 2017 - Oct 2018)

Employer	Bay	Employer	Bay	Employer	East Bay
Sutter Health	411	Department of Veterans Affairs	47	John Muir Health	62
Sutter Medical Center	169	Lucile Packard Children's Hospital	44	Sutter Health	58
Sutter Health Sacramento Sierra Region	147	University Healthcare Alliance	36	Uc San Diego	52
Kaiser Permanente	105	Medical Professionals	32	Kaiser Permanente	33
Banfield Pet Hospital	69	Stanford Health Care	27	Sutter Medical Center	31
John Muir Health	62	La Clinica De La Raza	21	Sutter Health Sacramento Sierra Region	25
Concentra	53	Memorial Hospital Los Banos	20	Concentra	23
Uc San Diego	52	Alta Bates Summit	18	Humana	22
Dignity Health	50	Marin Community Clinics	18	Banfield Pet Hospital	21
Humana	49	Lifelong Medical Care	16	La Clinica De La Raza	20

Source: Burning Glass

Educational Supply

There are nine community colleges in the Bay Region issuing 69 awards annually on TOP 1208.10 - Clinical Medical Assisting and no colleges issuing awards in the East Bay sub-region.

Table 7. Awards on 1208.10 - Clinical Medical Assisting in the Bay Region

College	Sub-Region	Headcount	Associates	Certificates	Total
Canada	East Bay	119			
Chabot	East Bay	36			
Deanza	Silicon Valley	n/a		12	12
Marin	North Bay	38	1	2	3
Merritt	East Bay	296			
Monterey	Monterey - SC	63			
San Jose City	Silicon Valley	91	15	13	29
Santa Rosa	North Bay	n/a	5	16	21
West Valley	Silicon Valley	28		4	4
Total Bay Region		671	21	47	69
Total East Bay Sub-Region		451	0	0	0

Source: IPEDS, Data Mart and Launchboard

NOTE: Headcount of students who took one or more courses is for 2016-17. The annual average for awards is 2014-17 unless there are only awards in 2016-17. The annual average for other postsecondary is for 2013-16.

Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 2,669 annual openings for the Medical Assistants and 69 annual awards for an annual undersupply of 2,600 students. In the East Bay sub-region, there is also a gap with 874 annual openings and no annual awards for an annual undersupply of 874 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 1208.10 - Clinical Medical Assisting

Medical Assistants in 12 County Bay Region and in East Bay Sub-Region, 2018

2015-16	Bay (All CTE Programs)	Merritt College (All CTE Programs)	State (TOP 1208.10)	Bay (TOP 1208.10)	East Bay (TOP 1208.10)	Merritt College (TOP 1208.10)
% Employed Four Quarters After Exit	75%	70%	74%	82%	80%	75%
Median Quarterly Earnings Two Quarters After Exit	\$13,996	\$9,613	\$7,352	\$8,108	\$7,425	\$7,603
Median % Change in Earnings	40%	41%	106%	129%	159%	159%
% of Students Earning a Living Wage	63%	60%	40%	51%	n/a	n/a

Source: Launchboard Pipeline (version available on 11/6/18)

Skills, Certifications and Education

Table 9. Top Skills for Medical Assistants in Bay Region (Nov 2017 - Oct 2018)

Skill	Postings	Skill	Postings	Skill	Postings
Patient Care	1,379	Blood Pressure Measurement	417	Disease Management	251
Vital Signs Measurement	1,379	Anatomy	386	Calculation	249
Medical Assistance	1,173	Customer Billing	370	Lean Methods	246
Scheduling	1,145	Prescription Filling	368	Infection Control	245
Injections	955	Electronic Medical Records	367	Sterile Procedures / Techniques	236
Appointment Setting	952	Physiology	364	Blood Draws	233
Patient Preparation	848	Front Office	359	Intradermal	222
Customer Service	725	Venipuncture	324	Patient Follow-up	214
Patient Flow	591	Splint Application	323	Administrative Functions	209
Medical Terminology	580	Medical Coding	316	Treatment Preparation	204
Cardiopulmonary Resuscitation (CPR)	543	Inventory Maintenance	308	Laboratory Testing	197
Life Support	522	Allergies	299	Patient Assistance	182
Electrocardiogram (EKG / ECG)	505	Patient Treatment	277	Pediatrics	179
Phlebotomy	491	Health Insurance Portability and Accountability Act (HIPAA)	269	Primary Care	179
Ambulatory Care	482	Height and Weight Measurement	268	Urgent Care	179
Patient/Family Education and Instruction	475	Data Entry	266	Occupational Health and Safety	178
Medication Administration	441	Inventory Management	252	X-Rays	171
Electronic Health Records	419	Dictation	251	Cleaning	170

Source: Burning Glass

Table 10. Certifications for Medical Assistants in the Bay Region (Nov 2017 - Oct 2018)

Note: 36% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

Certification	Postings	Certification	Postings
Basic Life Saving (BLS)	1,018	Security Clearance	51
Certified Medical Assistant	885	Emergency Medical Technician (EMT)	31
Basic Cardiac Life Support Certification	847	Medical Terminology Certification	28
AAMA Certified Medical Assistant	779	Breath Alcohol Technician	9

First Aid Cpr Aed	336	American Medical Technologist Certification	6
Clinical Medical Assistant (CCMA)	331	American Registry of Radiologic Technologists (ARRT) Certification	6
Certified Nursing Assistant	270	Certified Professional Coder	6
Phlebotomy Certification	253	Medical Billing and Coding Certification	6
American Heart Association Certification	237	Cdl Class C	5
Nurse Practitioner	112	Anatomy and Physiology Certificate	4
Licensed Vocational Nurse (LVN)	76	Occupational Hearing Conservationist	4
Driver's License	73	Advanced Registered Nurse Practitioner	3
Registered Medical Assistant	64	American Board of Radiology (ABR)	3

Source: Burning Glass

Table 11. Education Requirements for Medical Assistants in Bay Region

Note: 38% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

Education (minimum advertised)	Latest 12 Mos. Postings
High school or vocational training	1,871 (97%)
Associate Degree	53 (3%)
Bachelor's Degree or Higher	0 (0%)

Source: Burning Glass

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCCO Data Mart.

Sources

O*Net Online
 Labor Insight/Jobs (Burning Glass)
 Economic Modeling Specialists International (EMSI)
 CTE LaunchBoard www.calpassplus.org/Launchboard/
 Statewide CTE Outcomes Survey
 Employment Development Department Unemployment Insurance Dataset
 Living Insight Center for Community Economic Development
 Chancellor's Office MIS system

Contacts

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