

# Managers, All Other

## Labor Market Analysis: San Diego County

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January 2018

### Summary

The following list summarizes findings from the labor market analysis below for *Managers, All Other*:

- Between 2016 and 2021, *Managers, All Other* are projected to increase by 744 jobs (or seven percent) in San Diego County.
- Employers in San Diego County will need to hire 880 workers annually to fill new jobs and to backfill jobs due to attrition such as retirement or turnover.
- Between 2010 and 2017, there was an average of 5,216 online job postings per year for *Managers, All Other* in San Diego County.
- *Managers, All Other* earn median hourly earnings of \$44.89, more than the self-sufficiency wage (\$13.09 per hour) for a single adult in San Diego County.
- According to the California Community Colleges Chancellor's Office Management Information System (MIS) Data Mart, there are 12 colleges that supply the region with an annual average of 433 awards for this occupation: Cuyamaca College, Grossmont College, Imperial Valley College, MiraCosta College, Palomar College, San Diego City College, San Diego Continuing Education, San Diego Mesa College, San Diego Miramar College, Southwestern College, Advanced Training Associates and National University. However, according to Classification of Instructional Program (CIP) code data there are 10,180 completions in San Diego County related to this occupation.
- Comparing labor demand with labor supply, there is a supply gap for this occupation in San Diego County, with 880 annual openings and 433 awards. However, if awards from non-community college institutions are included in the labor supply, then there is a total of 10,180 completions, which may indicate an oversupply of labor. Comparatively, there are 9,423 annual openings in California and 63,578 completions.
- Between January 1, 2015 and December 31, 2017, the top five employers in San Diego County for this occupation were General Atomics, University of California, Scripps Health, Accenture and Sharp Healthcare.
- The typical entry-level education for this occupation is a bachelor's degree.

### Introduction

This report provides labor market information in San Diego County for the following occupational code in the Standard Occupational Classification (SOC)<sup>1</sup> system:

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<sup>1</sup> The Standard Occupational Classification (SOC) system is used by federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating or disseminating data. [bls.gov/soc](http://bls.gov/soc).

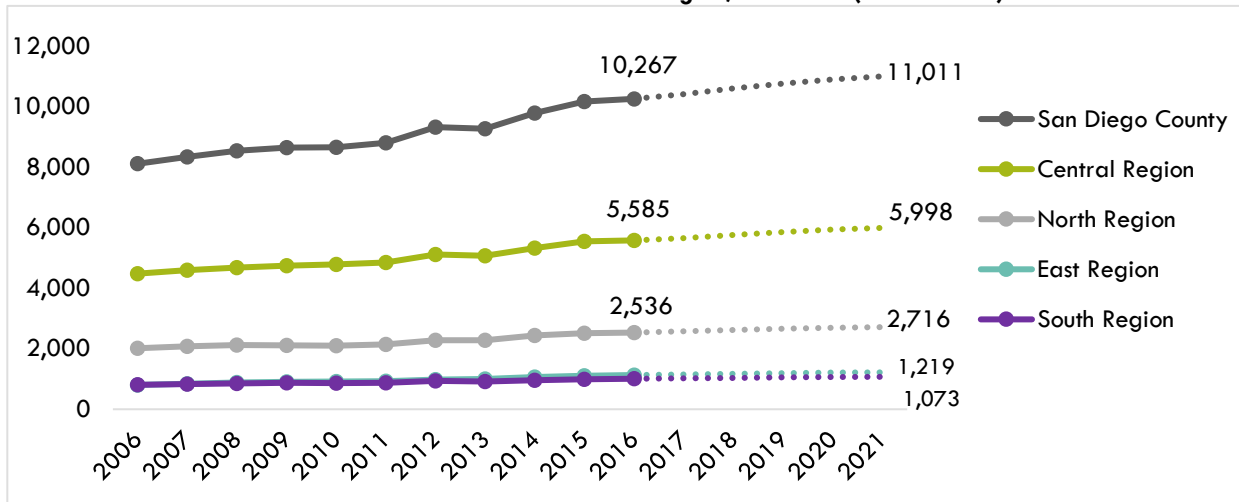
**Managers, All Other (SOC 11-9199):** All managers not listed separately. Sample reported job titles include:

- Includes Regulatory Affairs Managers
- Compliance Managers
- Investment Fund Managers
- Supply Chain Managers
- Security Managers
- Loss Prevention Managers
- Wind Energy Operations Managers
- Wind Energy Project Managers
- Brownfield Redevelopment Specialists and Site Managers

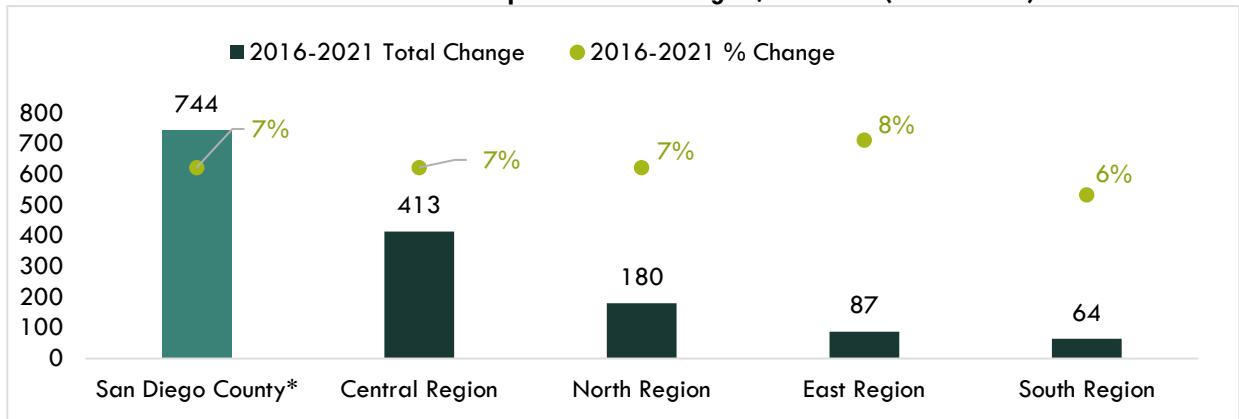
### Projected Occupational Demand

Between 2016 and 2021, *Managers, All Other* are projected to increase by 744 jobs (or seven percent) in San Diego County (Exhibit 1a and Exhibit 1b).<sup>2</sup>

**Exhibit 1a: Number of Jobs for Managers, All Other (2006-2021)<sup>3</sup>**



**Exhibit 1b: Five-Year Projections for Managers, All Other (2016-2021)<sup>4</sup>**



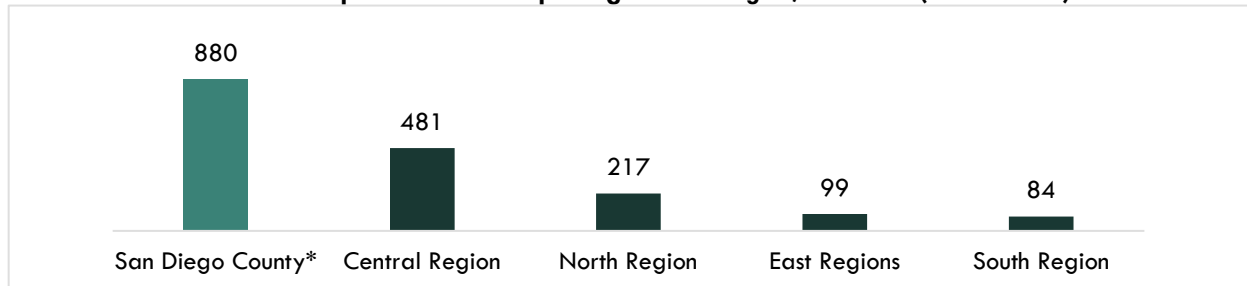
<sup>2</sup> South, East, Central and North Regions' ZIP codes in this report are defined by the local Workforce Development Board, the San Diego Workforce Partnership.

<sup>3</sup> Economic Modeling Specialists, Int'l. (EMSI). San Diego County (6073). 2017.03 Class of Worker. QCEW + Non-QCEW+ Self-Employed. 2006-2021.

<sup>4</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.

Employers in San Diego County will need to hire **880** workers annually to fill new jobs and backfill jobs due to attrition such as retirement or turnover (Exhibit 2).

**Exhibit 2: Projected Annual Openings for Managers, All Other (2016-2021)<sup>5</sup>**

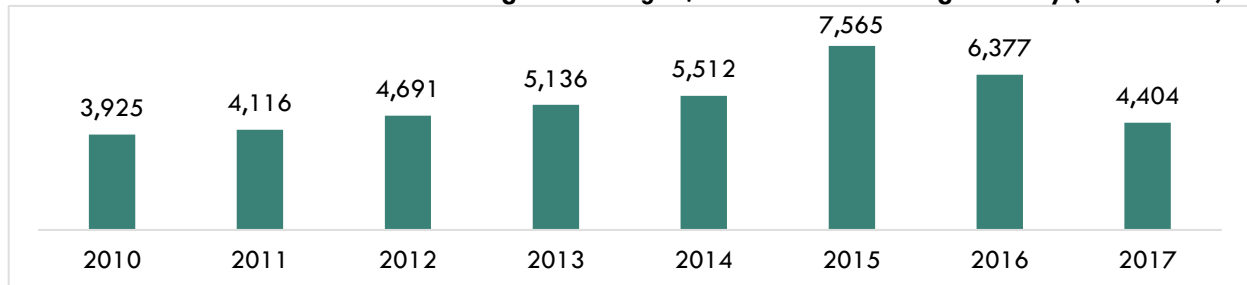


\*Total annual openings for the subregions in San Diego County may not add up exactly due to rounding.

## Online Job Postings

Between 2010 and 2017, there was an average of **5,216** online job postings per year for *Managers, All Other* in San Diego County (Exhibit 3).

**Exhibit 3: Number of Online Job Postings for Managers, All Other in San Diego County (2010-2017)<sup>6</sup>**



## Earnings

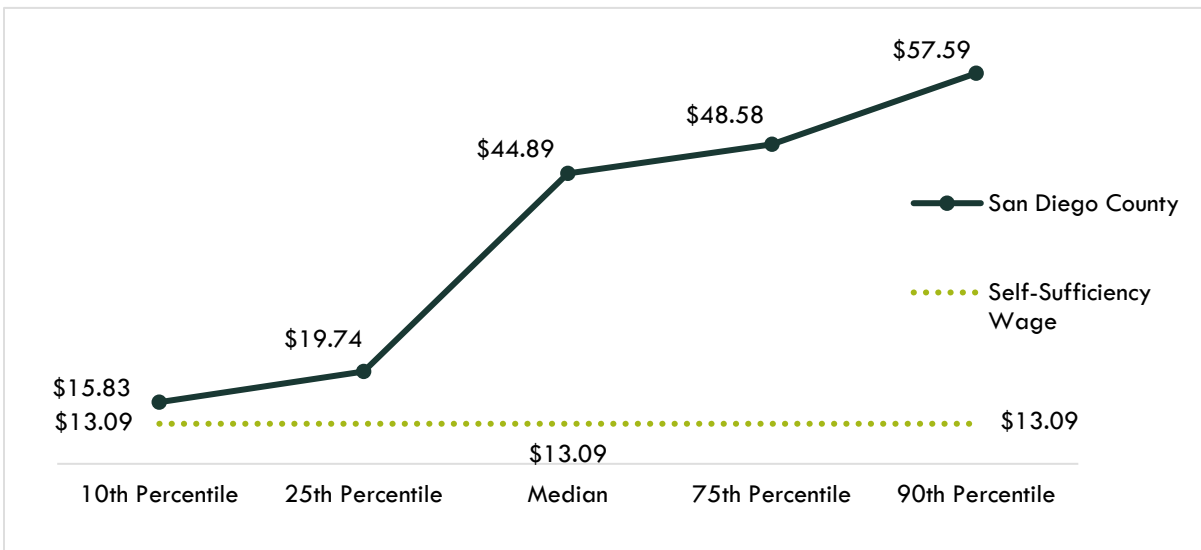
*Managers, All Other* earn median hourly earnings of **\$44.89**, more than the self-sufficiency wage (\$13.09 per hour)<sup>7</sup> for a single adult in San Diego County (Exhibit 4).

<sup>5</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.

<sup>6</sup> Labor Insight Jobs. Burning Glass Technologies. San Diego, CA. Full years 2010, 2011, 2012, 2013, 2014, 2015 and 2016. Jan.-Nov. 2017.

<sup>7</sup> The self-sufficiency wage in San Diego for one adult is \$13.09 (insightcced.org/tools-metrics/self-sufficiency-standard-tool-for-california)

**Exhibit 4: Hourly Earnings for Managers, All Other in San Diego County<sup>8</sup>**



## Educational Supply

Educational supply for an occupation can be estimated by analyzing the number of related program completers/graduates/awards in San Diego County. To determine what programs are available, Exhibit 5 lists the Taxonomy of Programs (TOP) code(s) related to the SOC code analyzed.

**Exhibit 5: Related TOP Codes in San Diego County**

**SOC 11-9199: Managers, All Other**

TOP 050600: Business Management

According to the California Community Colleges Chancellor’s Office Management Information System (MIS) Data Mart, there are 12 colleges that supply the region with an annual average of 433 awards for this occupation: Cuyamaca College, Grossmont College, Imperial Valley College, MiraCosta College, Palomar College, San Diego City College, San Diego Continuing Education, San Diego Mesa College, San Diego Miramar College, Southwestern College, Advanced Training Associates and National University (Exhibit 6). However, according to Classification of Instructional Program (CIP) code data there are 10,180 completions in San Diego County related to this occupation.<sup>9</sup>

<sup>8</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.  
<sup>9</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.

Exhibit 6 shows the annual average regional community college awards (associate degrees and certificates) conferred during the three academic years between 2013 and 2016, as well as other awards granted outside the California Community Colleges from 2012 to 2015, with the relevant TOP code.

**Please note:** An award is not equivalent to a single person in search of a job opening because a student may earn more than one award, such as an associate degree in addition to a certificate.

**Exhibit 6: Number of Awards (Certificates and Degrees) Conferred by Postsecondary Institutions by Occupation (Program Year 2012-13 through PY2015-16 Average)**

TOP06	TOP06 Title	3-Yr Annual Average Supply (PY13-14 to PY15-16)	3-Yr Annual Average CC Awards (PY13-14 to PY15-16)	Other Educational Institutions 3-Yr Annual Average Awards (PY12-13 to PY14-15)
050600	Business Management	<b>438*</b>	<b>433</b>	<b>4</b>
	• Cuyamaca College		2	
	• Grossmont College		11	
	• Imperial Valley College		9	
	• MiraCosta College		20	
	• Palomar College		17	
	• San Diego City College		45	
	• San Diego Continuing Education		298	
	• San Diego Mesa College		8	
	• San Diego Miramar College		14	
	• Southwestern College		9	
	• Advanced Training Associates			1
	• National University			3

\*Total number of awards may not add up exactly due to rounding.

## Demand vs. Supply

Comparing the labor demand (annual openings) with labor supply<sup>10</sup> from the region's colleges, there is a **supply gap** for this occupation in San Diego County, with **880** annual openings and **433** awards. However, if awards from non-community college institutions are included in the labor supply, then there is a total of **10,180** completions, which may indicate an oversupply of labor. Comparatively, there are **9,423** annual openings in California and **63,578** completions.<sup>11</sup>

**Exhibit 7: Labor Demand (Annual Openings) Compared to Labor Supply (Average Annual Awards)**

Community Colleges and Other Postsecondary Educational Institutions	Demand (Annual Openings)	Supply (Total Annual Average Supply)	Supply Gap or Oversupply
San Diego County	880	433	447
California	9,423	63,578	54,155

**Please note:** This is a basic analysis of supply and demand of labor for these occupations. This data should be used to discuss the potential gaps or oversupply of workers for these occupations; however, it should not be the only basis for determining whether or not a program should be developed. Additionally, the data does not include workers who are currently in the labor force who could fill these positions or workers who are not captured by publicly available data.

## Student Outcomes

Based on the information available in the CTE LaunchBoard,<sup>12</sup> students who took courses in the related TOP codes exhibited the following outcomes (Exhibit 8).

**Exhibit 8: Strong Workforce Program Metrics for  
TOP 050600 Business Management vs. All Programs in San Diego-Imperial Region (PY2014-15)**

Metric	TOP 050600	All Programs
Number of course enrollments <sup>13</sup>	9,381	1,009,712
Number of students who got a degree or certificate <sup>14</sup>	268	17,536
Number of students who transferred <sup>15</sup>	338	6,269

<sup>10</sup> Labor supply can be found from two different sources: EMSI or the California Community Colleges Chancellor's Office MIS Data Mart. EMSI uses CIP codes while MIS uses TOP codes. Different coding systems result in differences in the supply numbers.

<sup>11</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.

<sup>12</sup> [calpassplus.org/LaunchBoard/SWP.aspx](http://calpassplus.org/LaunchBoard/SWP.aspx).

<sup>13</sup> The number of enrollments in courses assigned to the TOP code in the selected year

<sup>14</sup> The number of unduplicated students who earned a locally-issued certificate, Chancellor's Office approved certificate, associate degree, and/or California Community Colleges bachelor's degree in the selected TOP code

<sup>15</sup> Students who took non-introductory courses or completed a California Community Colleges Chancellor's Office award in the selected TOP code in selected year who subsequently enrolled for the first time in a four-year institution the following year

Metric	TOP 050600	All Programs
Employed in the second fiscal quarter after exit <sup>16</sup>	61%	66%
Employed in the fourth fiscal quarter after exit <sup>17</sup>	64%	65%
Job closely related to field of study <sup>18</sup>	N/A <sup>19</sup>	N/A <sup>20</sup>
Median earnings in the second fiscal quarter after exit <sup>21</sup>	\$7,303	\$9,134
Median change in earnings <sup>22</sup>	37%	31%
Attained a living wage <sup>23</sup>	52%	50%

## Top Employers and Work Locations

Between January 1, 2015 and December 31, 2017, the top five employers in San Diego County for this occupation were **General Atomics, University of California, Scripps Health, Accenture and Sharp Healthcare** (Exhibit 9).

### Exhibit 9: Top Employers in San Diego County for Managers, All Other

Top Employers	
<ul style="list-style-type: none"> <li>• General Atomics</li> <li>• University of California</li> <li>• Scripps Health</li> <li>• Accenture</li> <li>• Sharp Healthcare</li> </ul>	<ul style="list-style-type: none"> <li>• Becton Dickinson</li> <li>• Northrop Grumman</li> <li>• Qualcomm</li> <li>• Illumina Incorporated</li> <li>• Ross Dress for Less</li> </ul>

## Skills, Education and Certifications

Exhibit 10 indicates the educational attainment for the occupation found currently in the national labor force. The typical entry-level education for this occupation is a **bachelor's degree**.<sup>24</sup>

<sup>16</sup> Among all exiters with a valid SSN, the percentage who were employed two quarters after exiting California Community Colleges.

<sup>17</sup> Among exiting students with a valid SSN, the percentage who were employed four quarters after exiting California Community Colleges.

<sup>18</sup> Among students who responded to the CTEOS, the percentage reporting employment in the same or similar field as their program of study

<sup>19</sup> Data for this metric has not been released for PY2014-15; however, in PY2013-14, the result was 55%.

<sup>20</sup> Data for this metric has not been released for PY2014-15; however, in PY2013-14, the result was 81%.

<sup>21</sup> Among exiting students, the median second quarter earnings one year after the year in which they exited California Community Colleges.

<sup>22</sup> Among exiting students with a valid SSN, the percentage change in earnings one year before and one year after exiting California Community Colleges.

<sup>23</sup> Among completers and skills-builders who exited, the proportion of students who attained a living wage.

<sup>24</sup> EMSI. San Diego County (6073). 2017.04 Class of Worker. QCEW + Non-QCEW + Self-Employed. 2016-2021.

**Exhibit 10: National Educational Attainment of Managers, All Other**

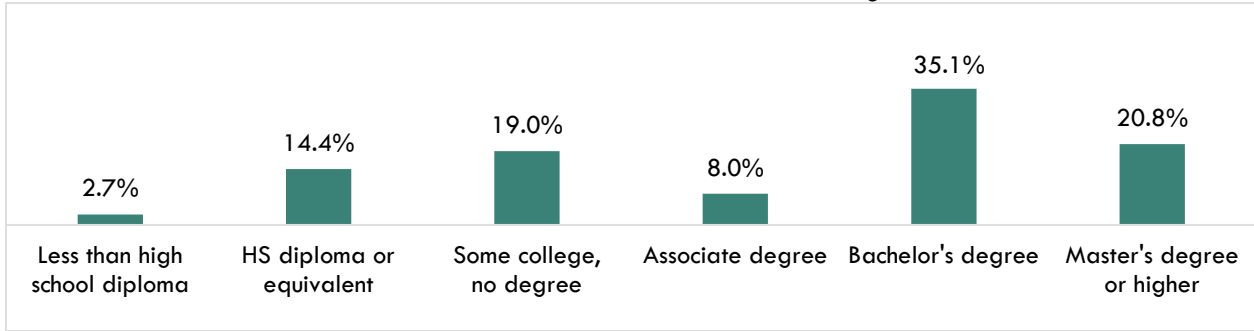


Exhibit 11 lists the top specialized, soft and software skills that appeared in online job postings between January 1, 2015 and December 31, 2017.

**Exhibit 11: Top Skills for Managers, All Other in San Diego County<sup>25</sup>**

Specialized Skills	Soft Skills	Software Skills
<ul style="list-style-type: none"> <li>• Project Management</li> <li>• Budgeting</li> <li>• Scheduling</li> <li>• Supervisory Skills</li> <li>• Program Management</li> </ul>	<ul style="list-style-type: none"> <li>• Communication Skills</li> <li>• Planning</li> <li>• Writing</li> <li>• Problem Solving</li> <li>• Organizational Skills</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Word</li> <li>• Microsoft Office</li> <li>• Microsoft Excel</li> <li>• Microsoft Project</li> <li>• Microsoft PowerPoint</li> </ul>

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<sup>25</sup> Labor Insight Jobs. Burning Glass Technologies. San Diego, CA. Full years 2015-2017.