



City of Vallejo Economic Development Division

Cluster Potential Associated with
Vallejo Resident Workforce





Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
- Reference Tables

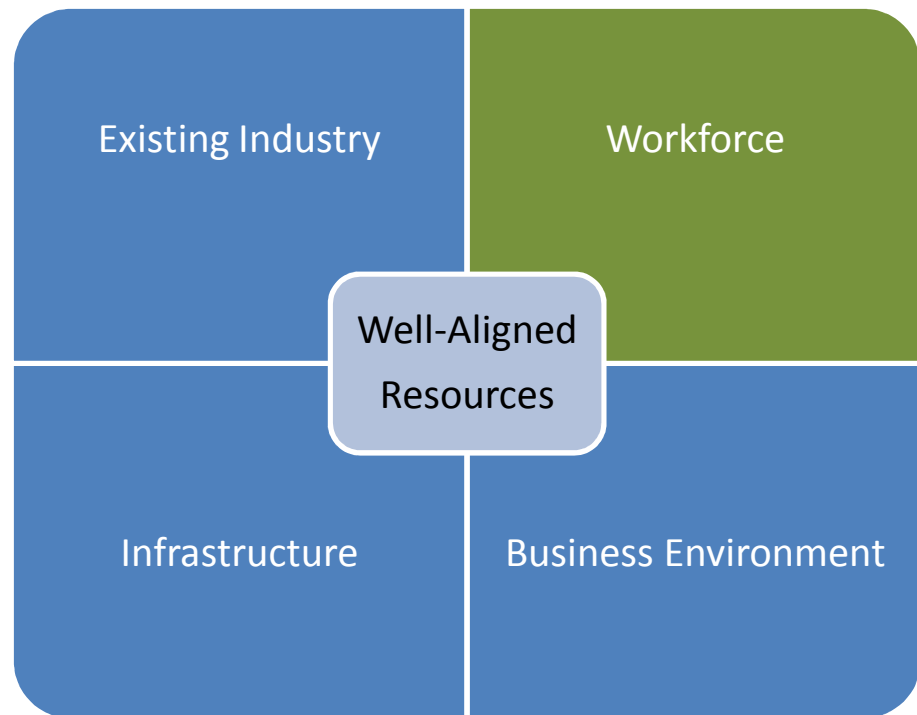


Workforce & Economic Development

Workforce Assessment

- There are four main areas of influence to support economic development (listed to the right).
- The availability of a skilled workforce is currently the #1 criteria considered in selecting a site for new business investment.*
- Vallejo's **resident workforce** is comprised primarily of commuters who travel outside the city for work.
 - The resident workforce is comprised of people in the labor force who reside in Vallejo. They may work in Vallejo or may commute out for work.
- A deep understanding of the commuter workforce is critical to assessing Vallejo's industry growth opportunities.

Four Areas of Influence for Economic Development



* See Area Development Survey of Site Selectors, 2010



Workforce & Economic Development

Key Findings

- Vallejo's resident labor force is an attractive and underutilized asset for economic development.
- The workforce is able to support growth in a variety of industries. It is particularly well-suited to support growth in the following industries:
 - Manufacturing
 - Transportation, Warehousing, and Logistics
 - Healthcare
 - Finance & Insurance (back-office operations)
- Contrary to some commonly-held views, Vallejo has a highly skilled workforce, especially at the technician level. Industries that require a large number of skilled technical workers would benefit from locating in Vallejo.
- Historically, the advantages of Vallejo's workforce have not been well-understood and therefore have not been promoted as an advantage for locating in Vallejo.
- Long-term risks for the city include an aging workforce and an underperforming secondary education system. Unaddressed, these risks will undermine the long-term prosperity and quality of life in Vallejo.



Key Terms and Concepts

Key Terms

1. **Industry:** In this presentation, industries describe the business where a worker is employed. Examples include the manufacturing industry or healthcare industry. Industries are also subdivided into sub-industries, such as food products manufacturing or machinery manufacturing.
2. **Occupation:** An occupation describes the job title and work activities that a worker performs at the place where he or she is employed. An example is an operations manager, nurse, or truck driver. Occupations can also be grouped into occupational categories. For instance, physicians, nurses, occupational therapists and physical therapists all belong to the occupation category of **health diagnosing and treating practitioners**.
3. **Industry and Occupation of Employment:** Workers with a particular occupation can be employed in many different industries. For instance, an operations manager may be employed at a company in the food products manufacturing industry or a company in the healthcare industry.
4. **Vallejo Resident Workforce:** This term describes people who reside in Vallejo and are active in the labor force. They may work in Vallejo or outside of Vallejo.
5. **Commuters:** This describes workers to travel outside of Vallejo for work and have travel times that last between 10 and 120 minutes.
6. **A, occupation location quotient (LQ)** is a measure that compares the concentration of workers in Vallejo with the concentration of workers in another location. (e.g. the concentration of nurses in Vallejo vs. nurses in the Bay Area)

Calculation:

$$LQ_{occupation} = \frac{\text{Share of Vallejo Employees}_{occupation}}{\text{Share of Employees in Other Geography}_{occupation}}$$

Industries with a LQ > 1 are those where Vallejo has a comparatively high concentration of workers. LQ scores are color-coded in the following slides to indicate occupations where Vallejo has a labor force advantage.



Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
- Reference Tables

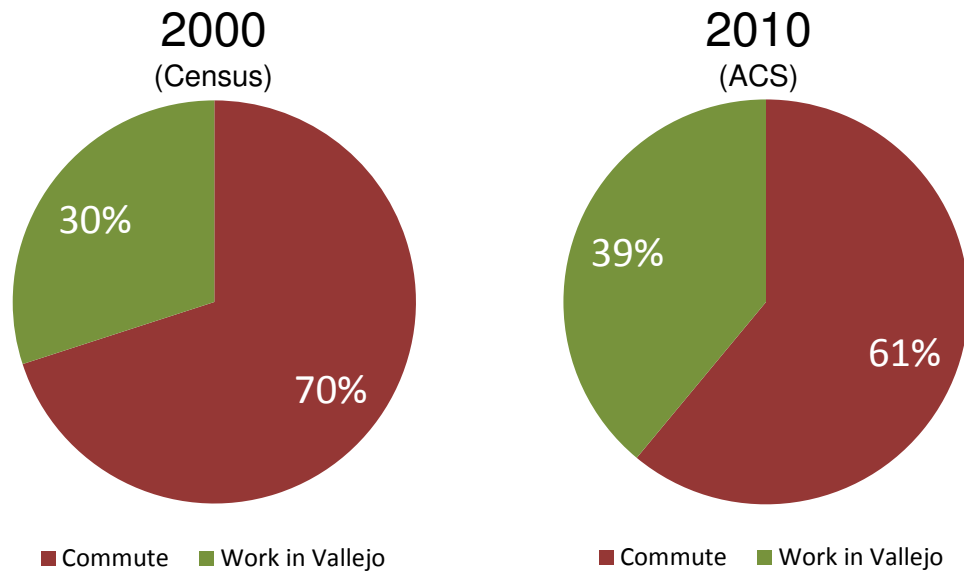


Commuters by Occupation Category

Commuters from Vallejo

- The most complete data on commuters is from the 2000 Census. Similar figures from the 2010 Census will be available in Spring 2013.
- The most recent data is from the 2010 American Community Survey (ACS). The ACS is performed by the Census Bureau annually.

Share of Vallejo Residents who Commute Outside Vallejo for Work



- According to the ACS, in 2010, approximately 61% of Vallejo residents commuted out for work. *
- This is lower than the Census figure which is 70% in 2000.
- The difference may be explained in part by higher unemployment in the Bay Area in 2010, which may have left some Vallejo commuters unemployed.

Source: Census 2000, MTC, American Community Survey 2010, Analysis by RDA Global.

*Commuters are defined as Vallejo residents who work outside the City of Vallejo or commute more than 10 minutes for work (if workplace is unknown).

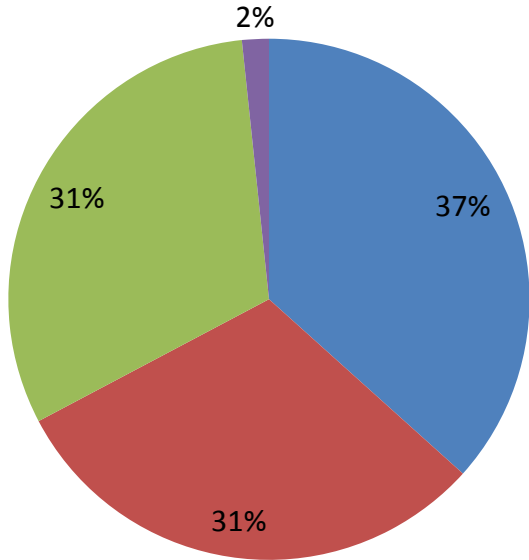


Length of Commute

Length of Commute

- About a third of Vallejo commuters have commute times that are over 30 minutes.
- A third work regionally and have commute times that are between 21 and 30 minutes.
- Another third work relatively close by and have commute times that are 20 minutes or less.

Share of commuters by length of commute
In Minutes, one-way 2010



■ 10 -20 minutes ■ 21- 30 minutes
■ 31-60 minutes ■ Over 60 minutes

Source: American Community Survey, 2010; Analysis by RDA Global

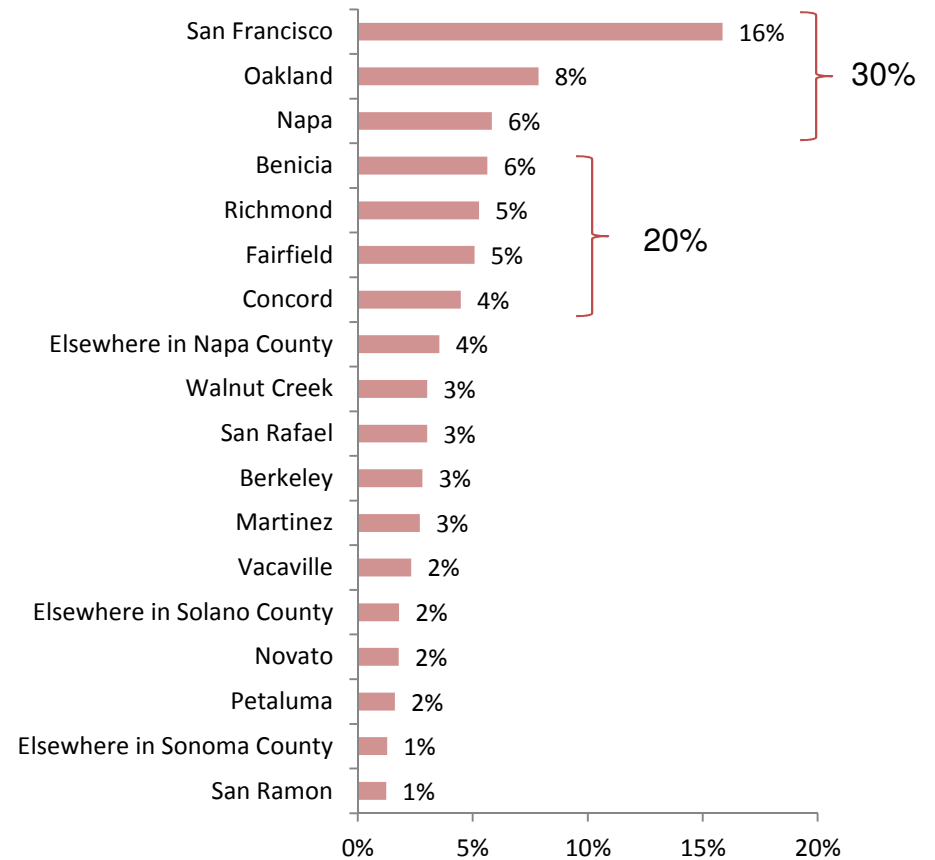


Where Commuters Work

Commuters from Vallejo

- 30% of Vallejo residents commute to work in San Francisco, Oakland, or Napa.
- 20% work in Benicia, Richmond, Fairfield or Concord.

Place of Work for Vallejo Residents who Commute to Work (2000)*



Counties where Vallejo Residents Commute for Work, 2000*

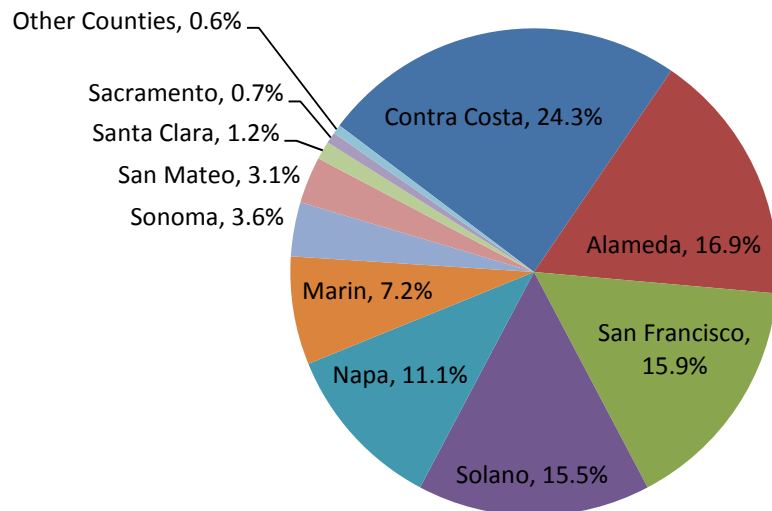




Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
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Commuters by Occupation Category

Vallejo Residents who Commute Out of Vallejo for Work Workers by Occupation Category, 2010





Commuters by Occupation Category

Vallejo's Occupations with a High Location Quotient Relative to the Bay Area (9 Counties)

Occupation	Location Quotient	Vallejo Employed Labor Force (Residents)	Vallejo Commuting Labor Force (Residents)
Healthcare support occupations	2.08	2,244	1,356
Law enforcement workers including supervisors	1.78	696	643
Health technologists and technicians	1.52	1,035	925
Fire fighting and prevention, and other protective service workers including supervisors	1.52	721	596
Material moving occupations	1.41	1,330	200
Transportation occupations	1.36	2,062	975
Office and administrative support occupations	1.28	8,885	5,375
Construction and extraction occupations	1.25	3,027	2,246
Community and social service occupations	1.21	783	525
Installation, maintenance, and repair occupations	1.19	1,753	1,023
Building and grounds cleaning and maintenance occupations	1.17	2,573	1,723
Health diagnosing and treating practitioners and other technical occupations	1.07	1,761	1,321
Personal care and service occupations	1.04	2,081	802



Commuters by Occupation Category

Vallejo's Occupations with a High Location Quotient Relative to Solano County

Occupation	Vallejo City Employed Labor Force (Residents)	Vallejo Commuting Labor Force (Residents)	Solano County	Fairfield	Vacaville	Benicia
Healthcare support occupations	2,244	1,356	1.34	1.75	1.9	6.69
Arts, design, entertainment, sports, and media occupations	927	304	1.28	2.01	1.28	0.96
Computer and mathematical occupations	1,322	1,100	1.25	1.38	1.65	1.13
Life, physical, and social science occupations	517	241	1.21	1.19	1.22	0.56
Building and grounds cleaning and maintenance occupations	2,573	1,723	1.2	1.41	1.75	2.49
Legal occupations	384	263	1.18	0.79	1.44	0.4
Health diagnosing and treating practitioners and other technical occupations	1,761	1,321	1.07	0.95	0.95	0.63
Business and financial operations occupations	2,431	1,723	1.06	1.09	1.03	0.74
Education, training, and library occupations	2,184	960	1.06	1.04	0.79	0.48
Architecture and engineering occupations	932	659	1.05	0.94	1.28	0.91
Fire fighting and prevention, and other protective service workers including supervisors	721	596	1.05	1.06	0.84	0.64
Personal care and service occupations	2,081	802	1.04	1.09	1.04	1.1
Office and administrative support occupations	8,885	5,357	1.03	1.08	1.18	1.29
Transportation occupations	2,062	975	1	1.09	1.31	3.63



Table of Contents

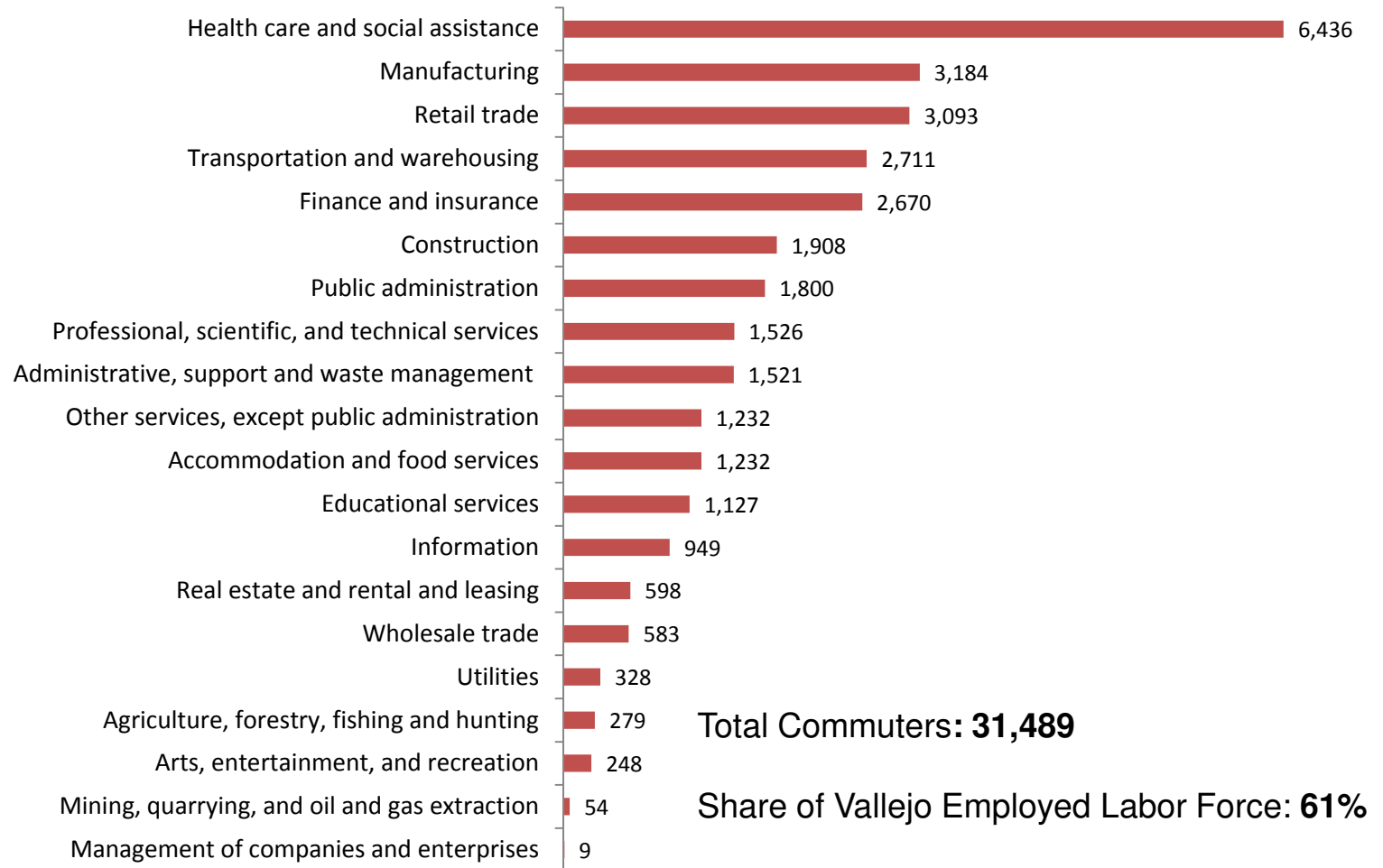
Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
- Reference Tables



Commuters from Vallejo by Industry

Vallejo Residents who Commute Out of Vallejo for Work Workers by Industry, 2010

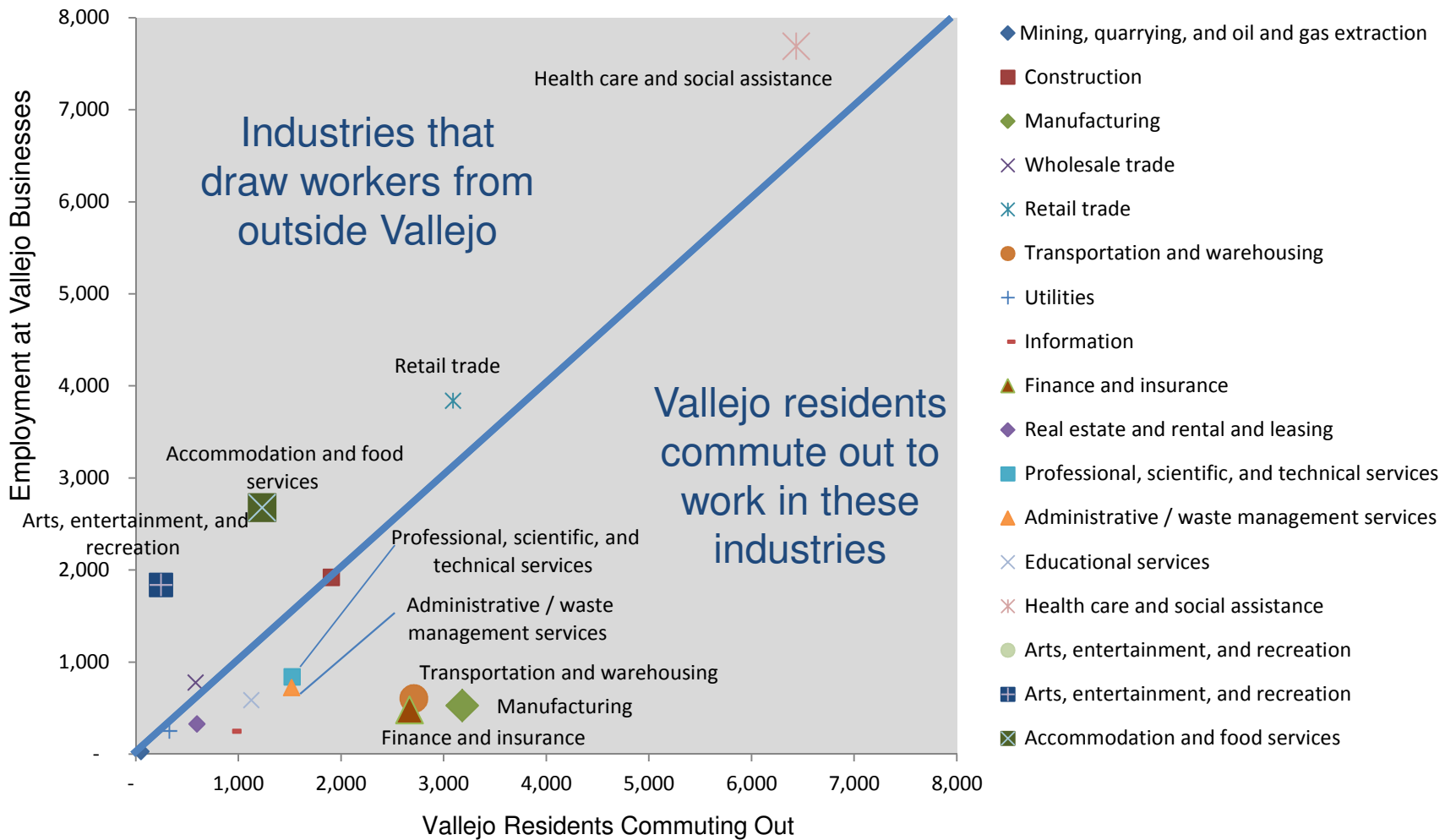


Source: American Community Survey (ACS) 2010, Analysis by RDA Global Note: ACS data shows that 61% of employed Vallejo residents work outside of the City of Vallejo. Census 2000 figures estimate 70% of Vallejo residents are commuters. Data from the 2010 Census is not yet available for commuters by occupation at the time of this report.



Where Industries Find their Workforce

Demand for Workers by Vallejo Businesses vs. Vallejo Resident Workforce Supply – By Industry

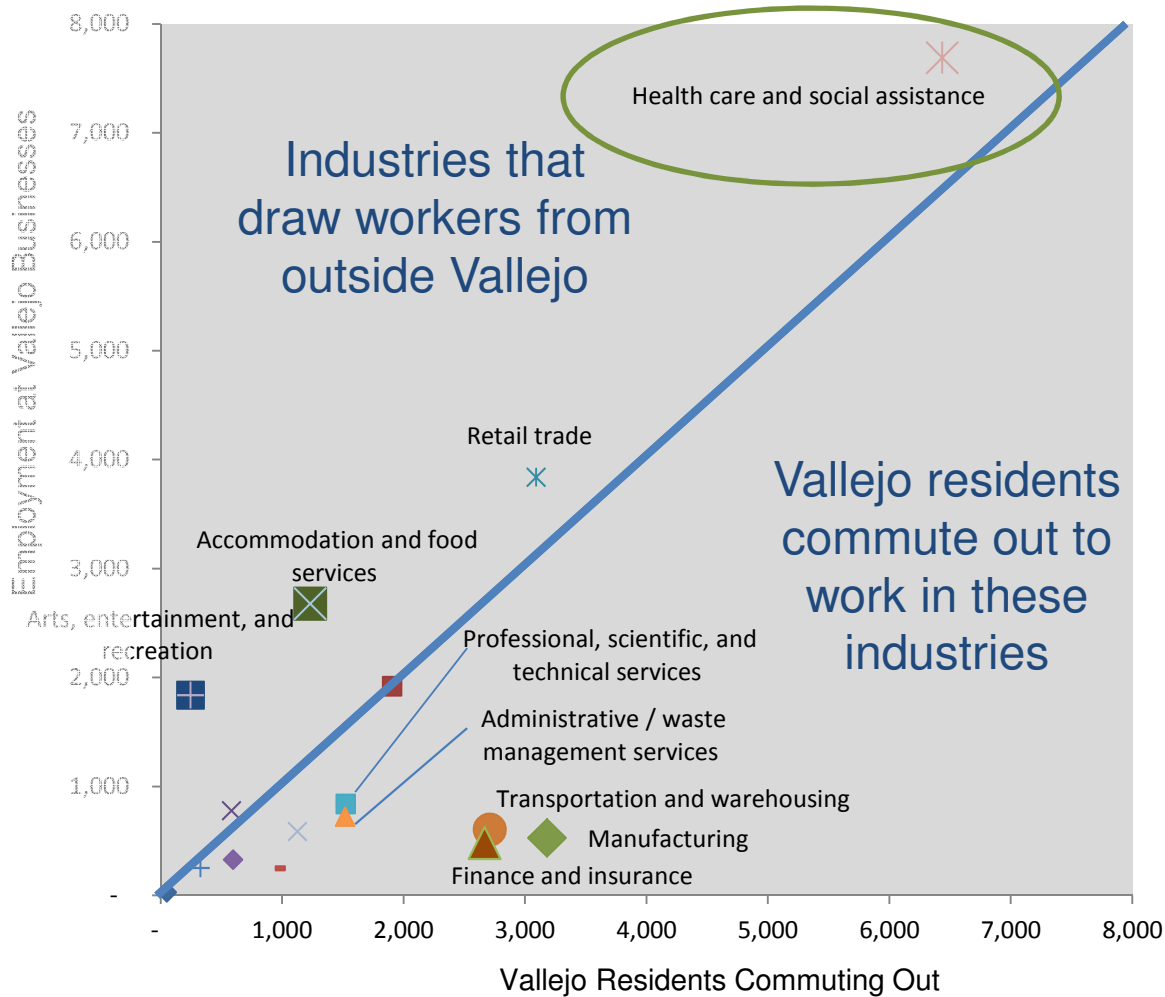


Source: American Community Survey (ACS) 2010, Analysis by RDA Global



Where Industries Find the Workforce

Demand for Workers by Vallejo Businesses vs. Vallejo Resident Workforce Supply – By Industry



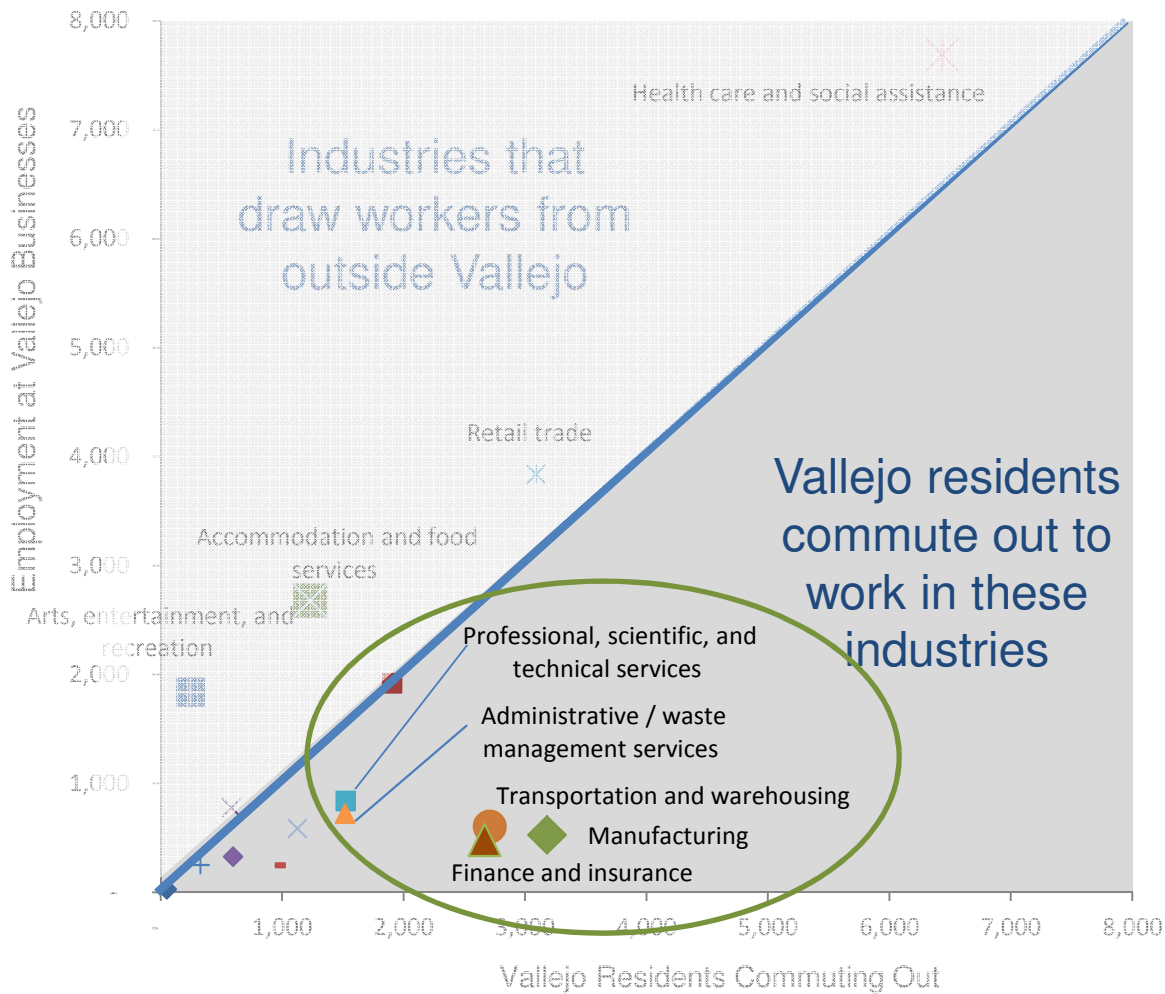
- 20% of commuters from Vallejo work in the healthcare sector.

1. Healthcare commuters: 6,400.



Where Industries Find their Workforce

Demand for Workers by Vallejo Businesses vs. Vallejo Resident Workforce Supply – By Industry



- **20% of commuters from Vallejo work in the healthcare sector.**
 1. Healthcare commuters: 6,400.
- **37% of commuters work in the following industries:**
 2. Manufacturing: 3,200
 3. Transportation / Warehousing: 2,700
 4. Finance / Insurance: 2,700
 5. Professional, scientific and technical services: 1,500
 6. Administrative Services: 1,500
- A large portion of Vallejo commuters are experienced in the six industries listed above.
- New businesses locating in Vallejo can draw from this skilled labor force .

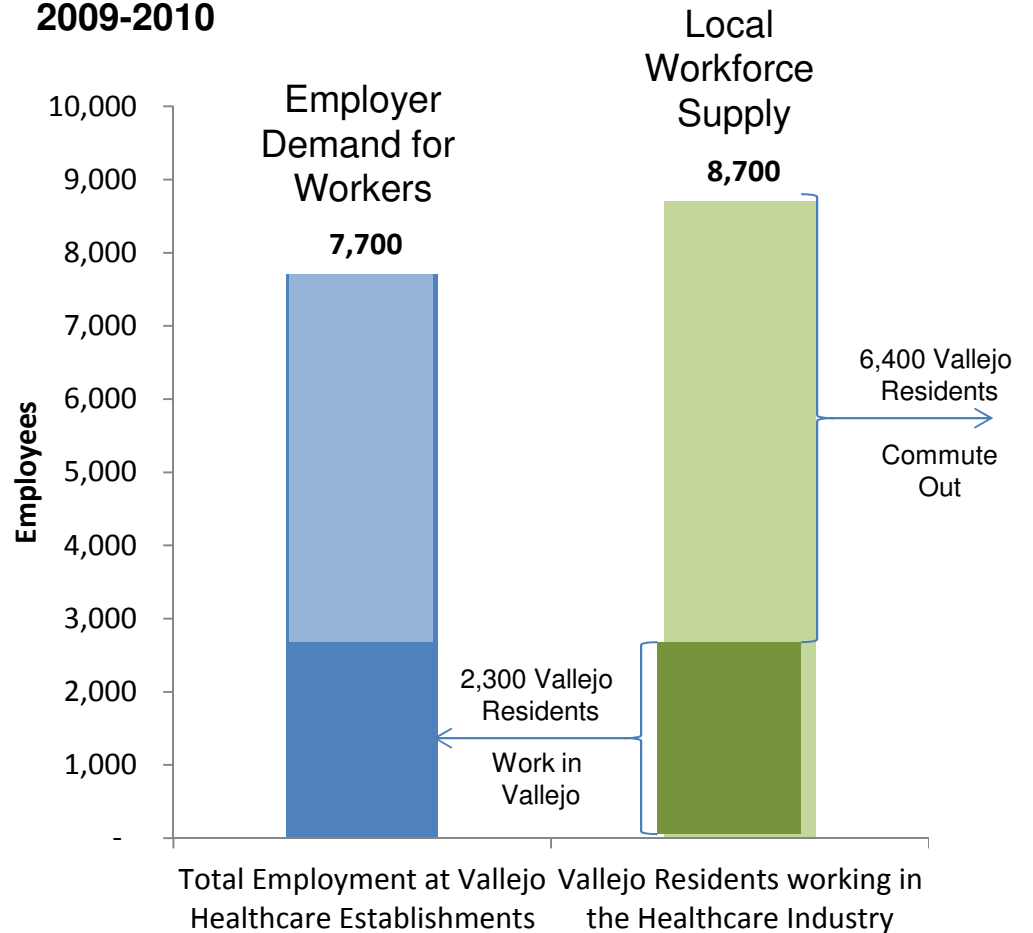


Healthcare

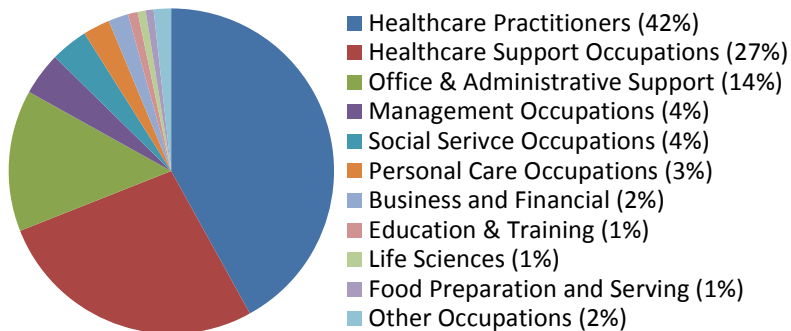
Industry & Occupations of Commuters - Healthcare

- There are 6,400 Vallejo residents who commute outside of Vallejo to work in the healthcare industry.
- About 2,300 Vallejo residents work for healthcare employers in Vallejo.
- Healthcare employers in Vallejo draw approximately 30% of their workforce from Vallejo residents and source 70% from workers residing outside of Vallejo.
- As the healthcare sector in Vallejo grows, employers can draw from a highly skilled and experienced local workforce that currently commutes out.

Supply and Demand for Healthcare Workers in Vallejo 2009-2010



Occupations of Commuters Working in the Healthcare Industry, 2010



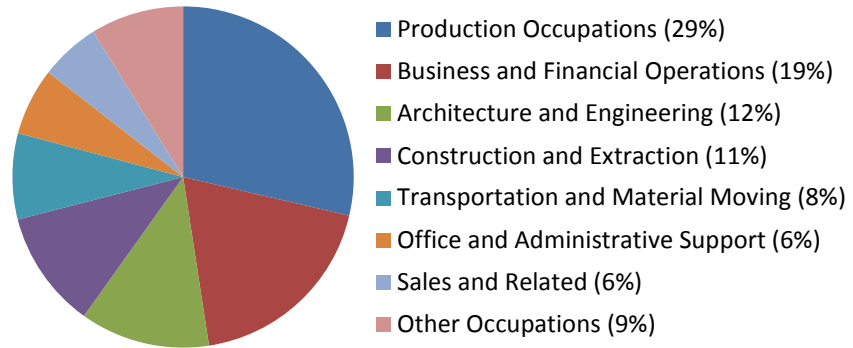


Manufacturing

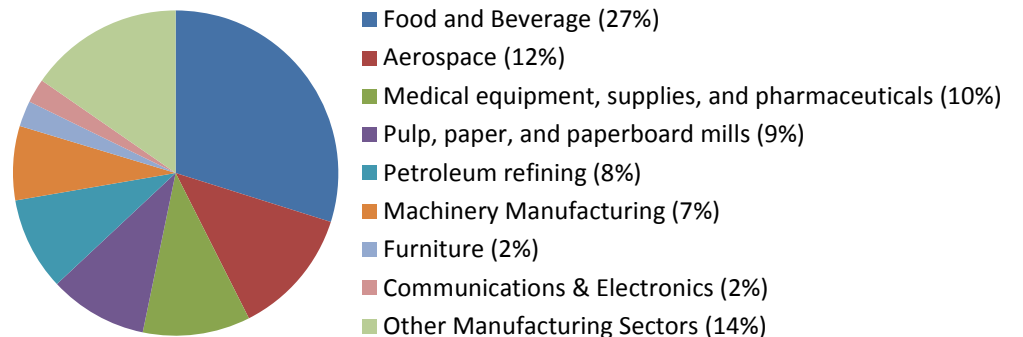
Industry & Occupations of Commuters - Manufacturing

- Vallejo has a sizable unutilized resident workforce with manufacturing sector experience.
- Nearly 3,200 Vallejo residents commute outside the city to work in a manufacturing industry.
 - About a third of these workers are in production occupations.
 - Nearly a fifth are in business / finance occupations.
 - A significant portion (12%) are highly-skilled workers employed in engineering and architectural occupations.
- The commuting workforce includes a broad group of occupations that can support a variety of manufacturing industries.
- Commuters have experience in many manufacturing industries ranging from food products to heavy manufacturing to high-tech.

Occupations of 3,200 Vallejo Residents who Commute out to work in Manufacturing (2010)



Manufacturing industries where Vallejo Commuters Work (2010)



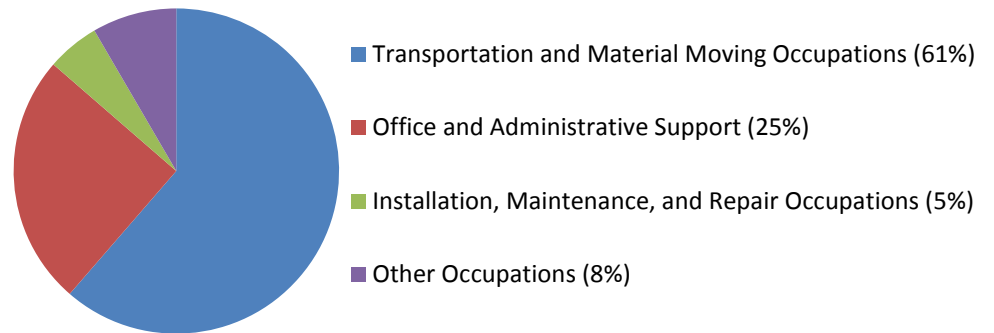


Transportation & Logistics

Industry & Occupations of Commuters – Transportation Warehousing & Logistics

- **Vallejo also has a sizable unutilized resident workforce with transportation / warehousing sector experience.**
- About 2,700 Vallejo residents commute outside the city to work in a transportation / warehousing industry.
- Most workers (61%) are in materials moving occupations such as truck drivers, shippers, packers, and related occupations.
- A quarter of these workers are employed in office administration and support occupations which include tactical-level and operation-level logistics occupations.
- A small portion (5%) of these workers are in maintenance occupations (e.g. mechanics).

Occupations of 2,700 Vallejo Residents who Commute out to work in Transportation & Warehousing



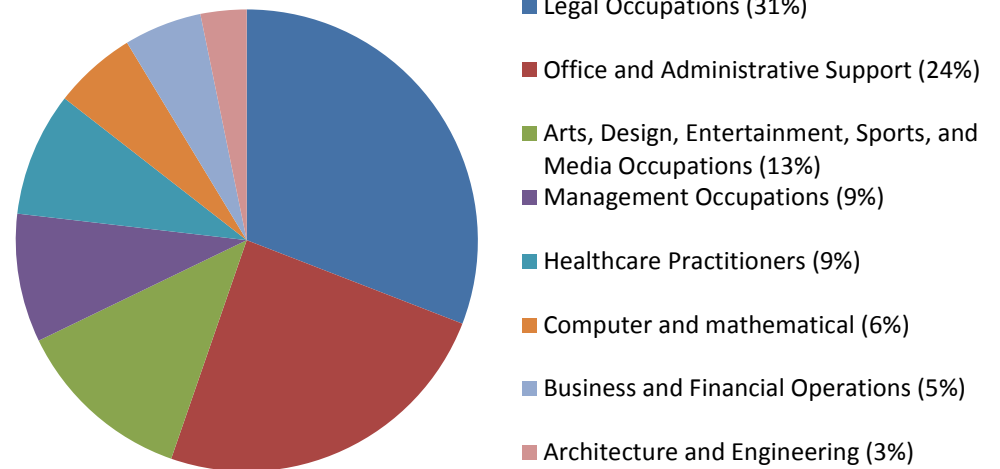


Professional Services

Industry & Occupations of Commuters – Professional, Technical, and Scientific Services

- About 1,500 Vallejo residents commute outside the city to work in a professional services industry.
- Nearly a third (31%) of these workers are attorneys or workers in other legal occupations.
- A quarter of these workers are employed in office and administrative support occupations.
- Nearly a fifth of these workers are specialists in a healthcare, IT, or engineering-related occupation.
 - Please note that these healthcare practitioners are employed outside the healthcare industry (e.g. research).
- 13% of these workers are in media and design or related occupations.
- About 9% are managers.

Occupations of 1,500 Vallejo Residents who Commute out to work in Professional Services





Finance & Insurance

Industry & Occupations of Commuters – Finance & Insurance

- About 2,700 Vallejo residents commute outside the city to work in the financial services industry.
- This industry employs many white collar occupations. About a third of these workers are in business and finance occupations and a quarter work in management occupations.
- A small component of these workers (9%) is employed in information technology occupations.
- The remaining third of these workers are split between sales and office/administrative occupations.

Occupations of Nearly 2,700 Vallejo Residents who Commute out to work in the Financial Services Sector

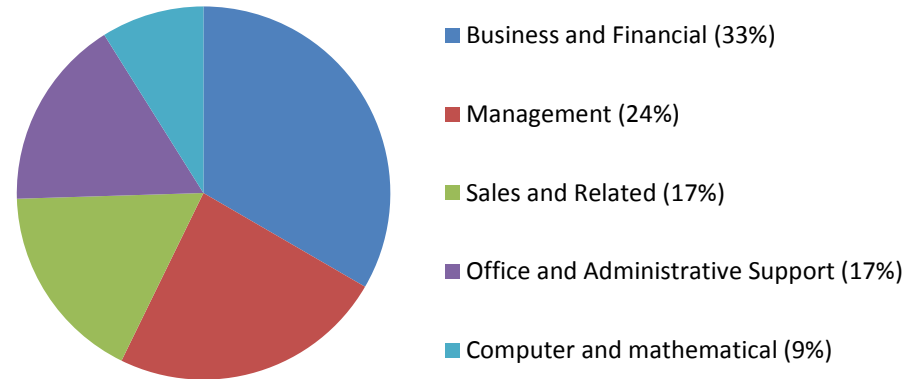




Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
- Reference Tables



Demographics

Key Findings

- Vallejo's labor force is older compared to the Bay Area and compared to California.
 - About 20% of Vallejo residents who are currently employed will reach age 65 by 2020.
- Educational attainment is low for Bachelor's level and higher degrees, but a large portion of the workforce has some college education or an associates degree.
 - 31% of workers in Vallejo have an associates degree or some college education (but less than a Bachelor's degree).
 - This is higher than the percentage in the Bay Area (22%) and is higher than that of any county in the Bay Area.
- Vallejo's workforce is highly diverse and multi-lingual.



Age of Vallejo's Employed Labor Force

Employed Workers by Age Share of Total Employees, 2010

Age	California Urban Areas	Bay Area Counties	Solano County	Vallejo City
16 to 19 years	3.4%	2.6%	4.2%	3.5%
20 and 21 years	3.8%	2.8%	3.3%	2.5%
22 to 24 years	6.3%	5.3%	6.2%	5.1%
25 to 29 years	12.0%	11.5%	10.3%	11.1%
30 to 34 years	11.3%	11.7%	9.5%	10.0%
35 to 44 years	23.8%	24.5%	22.2%	21.4%
45 to 54 years	22.7%	23.2%	25.5%	26.8%
55 to 59 years	8.3%	8.9%	9.4%	9.5%
60 and 61 years	2.5%	2.7%	3.0%	3.3%
62 to 64 years	2.5%	2.8%	2.9%	3.2%
65 to 69 years	2.0%	2.3%	1.9%	2.1%
70 to 74 years	0.8%	0.9%	0.9%	1.0%
75 years and over	0.6%	0.6%	0.6%	0.5%
Share Age 55+	16.7%	18.3%	18.8%	19.7%

- **Approximately 20% of Vallejo residents who were employed in 2010 will reach age 65 by 2020 (16% were between age 55 and 64 in 2010).**
- **This compares with 18% of workers in the Bay Area and 17% of workers in California's cities**

Source: American Community Survey (ACS) 2010, Analysis by RDA



Age of Vallejo's Employed Labor Force

Employed Vallejo Residents by Age Total Employed and Commuting Out for Work

Age	Employed Vallejo Residents	Share of Employed Residents	Share who Commute	Residents Commuting Out of Vallejo
Total	51,628	100%	61%	31,489
16 to 19 years	1,782	3.5%	27%	486
20 and 21 years	1,292	2.5%	35%	457
22 to 24 years	2,621	5.1%	34%	886
25 to 29 years	5,745	11.1%	65%	3,720
30 to 34 years	5,150	10.0%	66%	3,386
35 to 44 years	11,035	21.4%	62%	6,897
45 to 54 years	13,835	26.8%	66%	9,157
55 to 59 years	4,898	9.5%	72%	3,503
60 and 61 years	1,704	3.3%	68%	1,154
62 to 64 years	1,667	3.2%	62%	1,031
65 to 69 years	1,094	2.1%	55%	602
70 to 74 years	537	1.0%	30%	160
75 years and over	268	0.5%	18%	49

- Younger workers (under age 25) and older workers (over age 64) are less likely to commute out for work.
- For workers age 25-64, the percentage that commute out is similar.



Educational Attainment

Educational Attainment of Vallejo Labor Force Vs. Bay Area Counties and California

Geography	Total Labor Force	Educational Attainment for People in the Labor Force			
		Less than high school graduate	High school graduate	Some college or associate's degree	Bachelor's degree or higher
Total					
California Urban Areas	17,761,986	2,219,737	2,730,633	4,152,257	4,719,774
Bay Area Counties	3,963,174	312,628	513,273	861,245	1,480,146
Alameda County, California	835,267	66,590	118,720	173,367	303,986
Contra Costa County, California	557,650	39,602	78,849	138,040	185,622
Marin County, California	143,294	7,785	11,612	27,057	66,442
Napa County, California	70,773	8,908	10,409	17,683	18,278
San Francisco County, California	500,390	37,230	48,898	79,967	246,037
San Mateo County, California	399,327	29,704	51,156	88,676	158,977
Santa Clara County, California	975,276	80,619	115,725	194,902	387,134
Sonoma County, California	259,163	26,126	40,069	72,994	66,771
Solano County, California	222,034	16,064	37,835	68,559	46,899
Vallejo City	62,474	5,121	10,819	19,508	13,415
Share					
California Urban Areas	100%	12.5%	15.4%	23.4%	26.6%
Bay Area Counties	100%	7.9%	13.0%	21.7%	37.3%
Alameda County, California	100%	8.0%	14.2%	20.8%	36.4%
Contra Costa County, California	100%	7.1%	14.1%	24.8%	33.3%
Marin County, California	100%	5.4%	8.1%	18.9%	46.4%
Napa County, California	100%	12.6%	14.7%	25.0%	25.8%
San Francisco County, California	100%	7.4%	9.8%	16.0%	49.2%
San Mateo County, California	100%	7.4%	12.8%	22.2%	39.8%
Santa Clara County, California	100%	8.3%	11.9%	20.0%	39.7%
Sonoma County, California	100%	10.1%	15.5%	28.2%	25.8%
Solano County, California	100%	7.2%	17.0%	30.9%	21.1%
Vallejo City	100%	8.2%	17.3%	31.2%	21.5%

Source: American Community Survey (ACS) 2010, Analysis by RDA



Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
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Workforce & Economic Development

SWOT Assessment of Vallejo's Resident Workforce

Strengths	Opportunities
<ul style="list-style-type: none"> • Much of Vallejo's commuter workforce is employed in sectors where Vallejo has good advantages for future growth. These include: <ul style="list-style-type: none"> -Manufacturing (3,200 workers) -Transportation/Logistics (2,700 workers) -Healthcare (6,400 workers) -And other industries. • Relative to the Bay Area, Vallejo has a high concentration* of workers in: <ul style="list-style-type: none"> -A variety of healthcare occupations. -Transportation and materials moving occupations -Office and administrative support occupations -Maintenance, repair, and construction occupations • Relative to Solano County, Vallejo has a high concentration of: <ul style="list-style-type: none"> -Business & finance occupations -Legal occupations -IT occupations -Tourism-related occupations (entertainment) -Healthcare occupations • Solano County has a highly active Workforce Investment Board that is engaged with employers and the community colleges. • Local employers reported in interviews that they are able to find workers with the skills they require. 	<ul style="list-style-type: none"> • There are over 30,000 workers available who currently commute out of the area. • Many commuters work in occupations that are difficult to fill and are in high demand. These include: <ul style="list-style-type: none"> -Healthcare practitioners -Healthcare support occupations -Management occupations -Business & financial operations occupations -Skilled production occupations • The commuter workforce is well-positioned to support several industry clusters that could be developed in Vallejo: <ul style="list-style-type: none"> -Manufacturing (high-tech, light manufacturing, or specialty foods). -Warehousing, Distribution and Logistics -Healthcare (acute care) -Industrial maintenance and service. -Finance / Insurance (back-office operations) • There is a large portion of Vallejo workers with some higher education (but less than a Bachelors degree). This profile meets workforce requirements for some industries. <ul style="list-style-type: none"> -31% of Vallejo residents have some college or an associates (vs. 22% in Bay Area).

*Mainly composed of commuters who reside in Vallejo but do not work there. ** Vallejo draws a significant part of its tourism labor force from outside the city.



Workforce & Economic Development

SWOT Assessment of Vallejo's Resident Workforce

Weaknesses	Threats
<ul style="list-style-type: none">• The secondary education system underperforms the state.<ul style="list-style-type: none">• 39.7% 4-year high school drop out rate (2009-10).• There is a low level of educational attainment at the Bachelors degree and higher level.<ul style="list-style-type: none">• 21% of Vallejo residents in the labor force have a bachelors degree vs. 37% of workers in the Bay Area.• Workforce development resources are not optimized because most people seeking help find jobs outside the workforce development area.• Vallejo has an older workforce compared to the Bay Area.	<ul style="list-style-type: none">• Retirement of the baby boomer generation will affect Vallejo earlier than it does other parts of the Bay Area or California.<ul style="list-style-type: none">• 20% of Vallejo's currently-employed workforce will reach age 65 by 2020 (vs. 17% for California).• Low level of high school diploma attainment will affect long-term prosperity of the city.• Active unionization may deter some industries from expanding in Vallejo. This affects manufacturing and transportation/distribution industries.



Workforce & Economic Development

Recommendations

- Select a few target industry clusters to target for growth in Vallejo and align education and workforce development resources to support those industries.
 - Ensure that key action plans for Solano Workforce Development Board and Solano Community College are aligned with priority industry clusters.
- Leverage online resources to promote the experience and skills of Vallejo's resident workforce to business that may consider Vallejo as a site for future expansion.
- Identify long-term strategies to strengthen secondary education, leveraging community partners.
- Aggressively pursue attraction and expansion as a tool to attract more workers to Vallejo, offsetting future retirements.

Top Industries: Vallejo Workforce is Highly Attractive

1. Manufacturing
 1. Heavy or light durable goods manufacturing
 2. Specialty foods (connection with Napa)
 3. High-Tech manufacturing
2. Transportation / Distribution / Logistics
 1. Multi-modal/ marine industries
3. Healthcare*

Good Industries: Vallejo Workforce is Attractive

1. Finance & Insurance
 1. Back-office operations (leverage pool of office/administrative, and business/finance talent).
2. Professional and Scientific Services
 1. Research services
3. Tourism
4. Other service industries (legal, education, etc.)

*Note: Growth opportunities in acute care may be limited.



Table of Contents

Table of Contents

- Introduction & Key Findings
- Commuters in Vallejo
- Occupations of Workers Who Commute Outside of Vallejo
- Where Commuters Work Outside of Vallejo (Industries)
- Demographics of Commuters
- SWOT Analysis
- Reference Tables



Commuters by Occupation Category

Employed Vallejo Residents Working In Vallejo and Commuting Out Workers by Occupation, 2010

Occupation	Vallejo City Employed Labor Force (All Residents)	Share of Employed Labor Force	Vallejo Residents Working in Vallejo		Vallejo Residents Commuting Out	
			Workers	% of Occupation	Workers	% of Occupation
Total	51,628	100%	20,139	39%	31,489	61%
Management, business, science, and arts occupations:	16,371	32%	4,758	29%	11,613	71%
Management occupations	4,095	7.9%	845	21%	3,250	79%
Business and financial operations occupations	2,431	4.7%	366	15%	2,065	85%
Computer and mathematical occupations	1,322	2.6%	222	17%	1,100	83%
Architecture and engineering occupations	932	1.8%	273	29%	659	71%
Life, physical, and social science occupations	517	1.0%	276	53%	241	47%
Community and social service occupations	783	1.5%	258	33%	525	67%
Legal occupations	384	0.7%	121	32%	263	68%
Education, training, and library occupations	2,184	4.2%	1,224	56%	960	44%
Arts, design, entertainment, sports, and media occupations	927	1.8%	623	67%	304	33%
Health diagnosing and treating practitioners and other technical occupations	1,761	3.4%	440	25%	1,321	75%
Health technologists and technicians	1,035	2.0%	110	11%	925	89%
Service occupations:	10,621	21%	4,515	43%	6,106	57%
Healthcare support occupations	2,244	4.3%	888	40%	1,356	60%
Fire fighting and prevention, and other protective service workers	721	1.4%	125	17%	596	83%
Law enforcement workers including supervisors	696	1.3%	53	8%	643	92%
Food preparation and serving related occupations	2,306	4.5%	1,319	57%	987	43%
Building and grounds cleaning and maintenance occupations	2,573	5.0%	850	33%	1,723	67%
Personal care and service occupations	2,081	4.0%	1,279	61%	802	39%
Sales and office occupations:	13,996	27%	6,059	43%	7,937	57%
Sales and related occupations	5,111	9.9%	2,549	50%	2,562	50%
Office and administrative support occupations	8,885	17.2%	3,510	39%	5,375	61%
Natural resources, construction, and maintenance occupations:	4,939	10%	1,579	32%	3,360	68%
Farming, fishing, and forestry occupations	159	0.3%	68	43%	91	57%
Construction and extraction occupations	3,027	5.9%	781	26%	2,246	74%
Installation, maintenance, and repair occupations	1,753	3.4%	730	42%	1,023	58%
Production, transportation, and material moving occupations:	5,701	11%	3,229	57%	2,472	43%
Production occupations	2,309	4.5%	1,011	44%	1,298	56%
Transportation occupations	2,062	4.0%	1,087	53%	975	47%
Material moving occupations	1,330	2.6%	1,131	85%	200	15%

Source: American Community Survey (ACS) 2010, Analysis by RDA Global . Note: ACS data shows that 61% of employed Vallejo residents work outside of the City of Vallejo. Census 2000 figures estimate 70% of Vallejo residents are commuters. Data from the 2010 Census is not yet available for commuters by occupation at the time of this report.



Commuters by Industry

Employed Vallejo Residents Working In Vallejo and Commuting Out Workers by Industry, 2010

Industry	Vallejo City Employed Labor Force (All Residents)	Share of Employed Labor Force	Vallejo Residents Working in Vallejo		Vallejo Residents Commuting Out	
			Workers	% of Industry	Workers	% of Industry
Total:	51,628	100%	20,139	39%	31,489	61%
Agriculture, forestry, fishing and hunting	394	1%	115	29%	279	71%
Mining, quarrying, and oil and gas extraction	97	0%	43	45%	54	55%
Construction	3,447	7%	1,539	45%	1,908	55%
Manufacturing	4,545	9%	1,361	30%	3,184	70%
Wholesale trade	1,032	2%	449	43%	583	57%
Retail trade	5,608	11%	2,515	45%	3,093	55%
Transportation and warehousing	3,576	7%	865	24%	2,711	76%
Utilities	400	1%	72	18%	328	82%
Information	1,295	3%	346	27%	949	73%
Finance and insurance	3,345	6%	675	20%	2,670	80%
Real estate and rental and leasing	1,048	2%	450	43%	598	57%
Professional, scientific, and technical services	2,674	5%	1,148	43%	1,526	57%
Management of companies and enterprises	10	0%	1	8%	9	92%
Administrative and support and waste management services	2,404	5%	883	37%	1,521	63%
Educational services	3,619	7%	2,492	69%	1,127	31%
Health care and social assistance	8,740	17%	2,304	26%	6,436	74%
Arts, entertainment, and recreation	1,051	2%	803	76%	248	24%
Accommodation and food services	3,125	6%	1,893	61%	1,232	39%
Other services, except public administration	2,668	5%	1,436	54%	1,232	46%
Public administration	2,550	5%	750	29%	1,800	71%

Source: American Community Survey (ACS) 2010. Analysis by RDA Global Note: ACS data shows that 61% of employed Vallejo residents work outside of the City of Vallejo. Census 2000 figures estimate 70% of Vallejo residents are commuters. Data from the 2010 Census is not yet available for commuters by occupation at the time of this report.



Commuters by Occupation Category

Vallejo Total Employed Labor Force and Occupational Location Quotient for Bay Area and All California Urban Areas

Occupation	Vallejo City Employed Labor Force (Residents)	Bay Area (9 Counties)	California All Urban Areas
Total	51,628	1.00	1.00
Management, business, science, and arts occupations:	16,371	0.78	0.96
Management occupations	4,095	0.73	0.91
Business and financial operations occupations	2,431	0.81	1.02
Computer and mathematical occupations	1,322	0.46	0.87
Architecture and engineering occupations	932	0.54	0.83
Life, physical, and social science occupations	517	0.73	1.16
Community and social service occupations	783	1.21	1.14
Legal occupations	384	0.63	0.80
Education, training, and library occupations	2,184	0.96	0.95
Arts, design, entertainment, sports, and media occupations	927	0.67	0.67
Health diagnosing and treating practitioners and other technical occupations	1,761	1.07	1.26
Health technologists and technicians	1,035	1.52	1.35
Service occupations:	10,621	1.23	1.10
Healthcare support occupations	2,244	2.08	1.96
Fire fighting and prevention, and other protective service workers including supervisors	721	1.52	1.25
Law enforcement workers including supervisors	696	1.78	1.40
Food preparation and serving related occupations	2,306	0.96	0.89
Building and grounds cleaning and maintenance occupations	2,573	1.17	1.03
Personal care and service occupations	2,081	1.04	0.96
Sales and office occupations:	13,996	1.14	1.06
Sales and related occupations	5,111	0.97	0.92
Office and administrative support occupations	8,885	1.28	1.17
Natural resources, construction, and maintenance occupations:	4,939	1.20	0.95
Farming, fishing, and forestry occupations	159	0.78	0.28
Construction and extraction occupations	3,027	1.25	1.09
Installation, maintenance, and repair occupations	1,753	1.19	0.99
Production, transportation, and material moving occupations:	5,701	1.19	0.88
Production occupations	2,309	1.00	0.75
Transportation occupations	2,062	1.36	1.07
Material moving occupations	1,330	1.41	0.92

Source: American Community Survey (ACS) 2010, Analysis by RDA Global Note: ACS data shows that 61% of employed Vallejo residents work outside of the City of Vallejo. Census 2000 figures estimate 70% of Vallejo residents are commuters. Data from the 2010 Census is not yet available for commuters by occupation at the time of this report.



Commuters by Occupation Category

Vallejo Total Employed Labor Force and Occupational Location Quotient Solano County and Nearby Cities

Occupation	Vallejo City Employed Labor Force (Residents)	Solano County	Fairfield	Vacaville	Benicia
Total	51,628	1.00	1.00	1.00	1.00
Management, business, science, and arts occupations:	16,371	1.05	1.03	0.97	0.68
Management occupations	4,095	0.98	0.92	0.85	0.61
Business and financial operations occupations	2,431	1.06	1.09	1.03	0.74
Computer and mathematical occupations	1,322	1.25	1.38	1.65	1.13
Architecture and engineering occupations	932	1.05	0.94	1.28	0.91
Life, physical, and social science occupations	517	1.21	1.19	1.22	0.56
Community and social service occupations	783	0.91	0.83	0.69	0.70
Legal occupations	384	1.18	0.79	1.44	0.40
Education, training, and library occupations	2,184	1.06	1.04	0.79	0.48
Arts, design, entertainment, sports, and media occupations	927	1.28	2.01	1.28	0.96
Health diagnosing and treating practitioners and other technical occupations	1,761	1.07	0.95	0.95	0.63
Health technologists and technicians	1,035	0.93	1.14	0.94	2.11
Service occupations:	10,621	1.05	1.14	1.05	1.53
Healthcare support occupations	2,244	1.34	1.75	1.90	6.69
Fire fighting and prevention, and other protective service workers including supervisors	721	1.05	1.06	0.84	0.64
Law enforcement workers including supervisors	696	0.64	0.82	0.41	2.29
Food preparation and serving related occupations	2,306	0.92	0.85	0.80	1.02
Building and grounds cleaning and maintenance occupations	2,573	1.20	1.41	1.75	2.49
Personal care and service occupations	2,081	1.04	1.09	1.04	1.10
Sales and office occupations:	13,996	1.01	1.00	1.06	1.00
Sales and related occupations	5,111	0.98	0.88	0.89	0.72
Office and administrative support occupations	8,885	1.03	1.08	1.18	1.29
Natural resources, construction, and maintenance occupations:	4,939	0.84	0.83	0.81	1.29
Farming, fishing, and forestry occupations	159	0.48	0.35	0.48	0.60
Construction and extraction occupations	3,027	0.93	0.90	0.94	1.07
Installation, maintenance, and repair occupations	1,753	0.75	0.83	0.68	2.39
Production, transportation, and material moving occupations:	5,701	0.90	0.87	1.10	1.97
Production occupations	2,309	0.83	0.73	0.90	1.40
Transportation occupations	2,062	1.00	1.09	1.31	3.63
Material moving occupations	1,330	0.90	0.88	1.26	1.95

Source: American Community Survey (ACS) 2010, Analysis by RDA Global