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# Seeding Regional Competitiveness and Building Innovation Ecosystem(s)

Assembly Committee on Jobs, Economic Development, and  
the Economy

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# MI Best-Performing Cities: Metrics

**TABLE 2** Components of the Best-Performing Cities Index

Component	Weight
Job growth (I=2012)	0.143
Job growth (I=2016)	0.143
Wage and salary growth (I=2011)	0.143
Wage and salary growth (I=2015)	0.143
Short-term job growth (Aug 17-Aug 18)	0.143
High-tech GDP growth (I=2012)	0.071
High-tech GDP growth (I=2016)	0.071
High-tech GDP location quotient (2017)	0.071
Number of high-tech industries with GDP LQ>1 (2017)	0.071

*Note: I refers to the beginning year of the index. Weights do not add up to 1, due to rounding.*

# Top 10 Ranked California Metros According to 2018 Best-Performing Cities Index

Metropolitan statistical area (MSA)	2018 rank	2017 rank	Rank change
San Jose-Sunnyvale-Santa Clara, CA	2	11	+9
San Francisco-Redwood City-S. San Francisco, CA	4	4	0
Oakland-Hayward-Berkeley, CA	14	16	+2
Riverside-San Bernardino-Ontario, CA	15	20	+5
Santa Rosa, CA	18	43	+25
San Luis Obispo-Paso Robles-Arroyo Grande, CA	31	34	+3
Stockton-Lodi, CA	34	68	+34
Santa Cruz-Watsonville, CA	36	31	-5
Fresno, CA	37	66	+29
Merced, CA	38	94	+56

# Highest Ranked CA MSA: San Jose-Sunnyvale-Santa Clara, CA

## Best-Performing Large Cities: #2

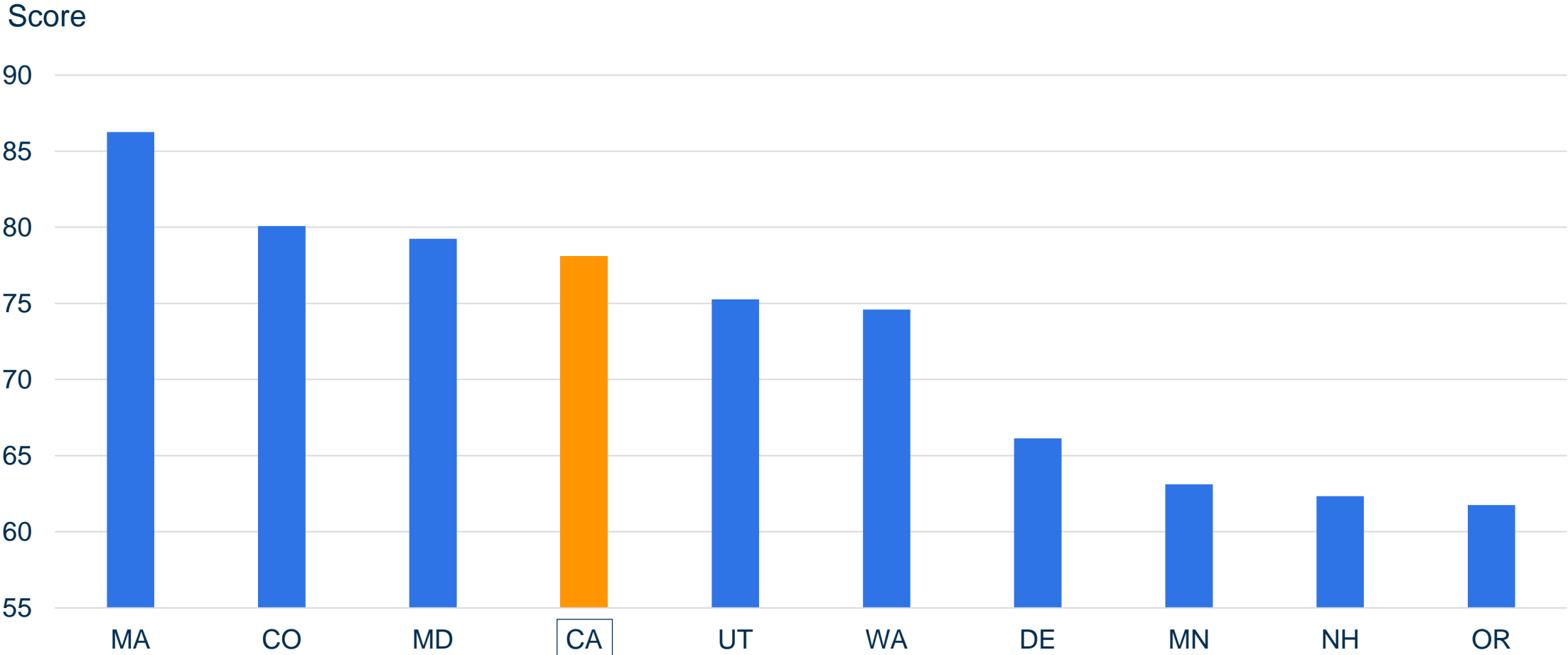
JOB GROWTH (2012-17)	16TH
JOB GROWTH (2016-17)	30TH
WAGE GROWTH (2011-16)	2ND
WAGE GROWTH (2015-16)	6TH
SHORT-TERM JOB GROWTH (8/2017-8/2018)	11TH
HIGH-TECH GDP GROWTH (2012-17)	4TH
HIGH-TECH GDP GROWTH (2016-17)	14TH
HIGH-TECH GDP CONCENTRATION (2017)	1ST
NUMBER OF HIGH-TECH INDUSTRIES (LQ $\geq$ 1) (2017)	2ND

# Highest Ranked Inland MSA: Riverside-San Bernardino-Ontario, CA

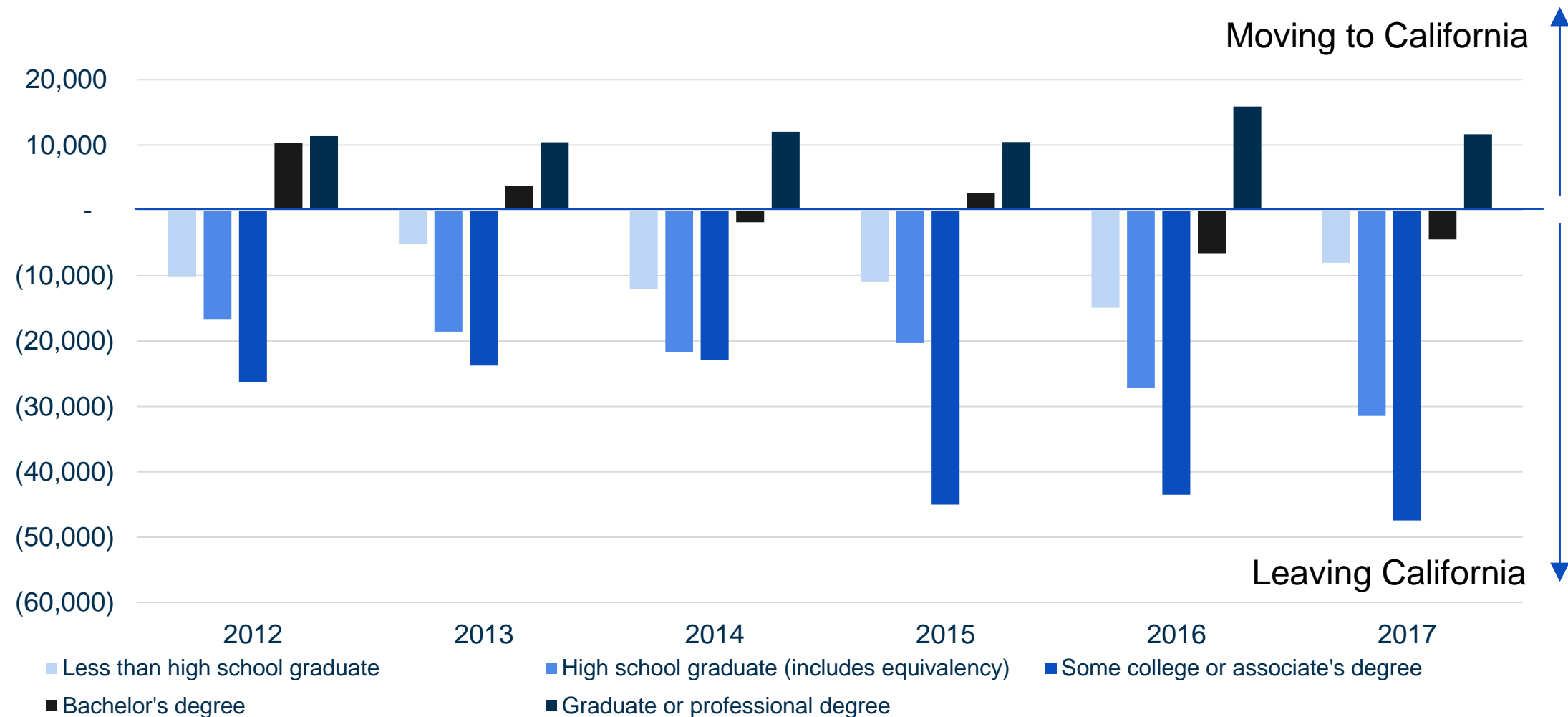
Best-Performing Large Cities: #15

JOB GROWTH (2012-17)	3RD
JOB GROWTH (2016-17)	7TH
WAGE GROWTH (2011-16)	19TH
WAGE GROWTH (2015-16)	48TH
SHORT-TERM JOB GROWTH (8/2017-8/2018)	18TH
HIGH-TECH GDP GROWTH (2012-17)	95TH
HIGH-TECH GDP GROWTH (2016-17)	28TH
HIGH-TECH GDP CONCENTRATION (2017)	131ST
NUMBER OF HIGH-TECH INDUSTRIES (LQ>=1) (2017)	112TH

# State Technology and Science Index

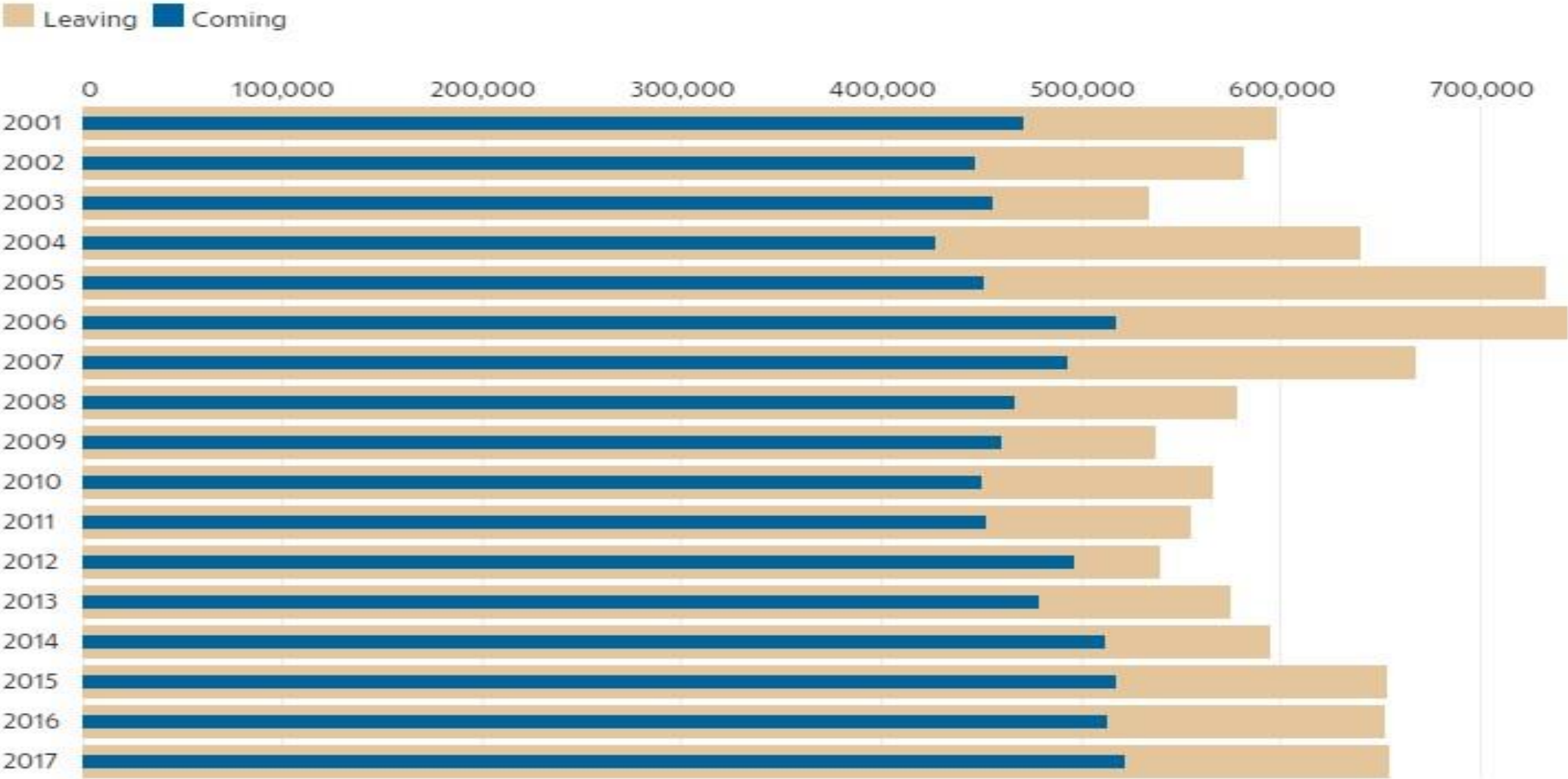


# California's net migration reveals the opportunity gap



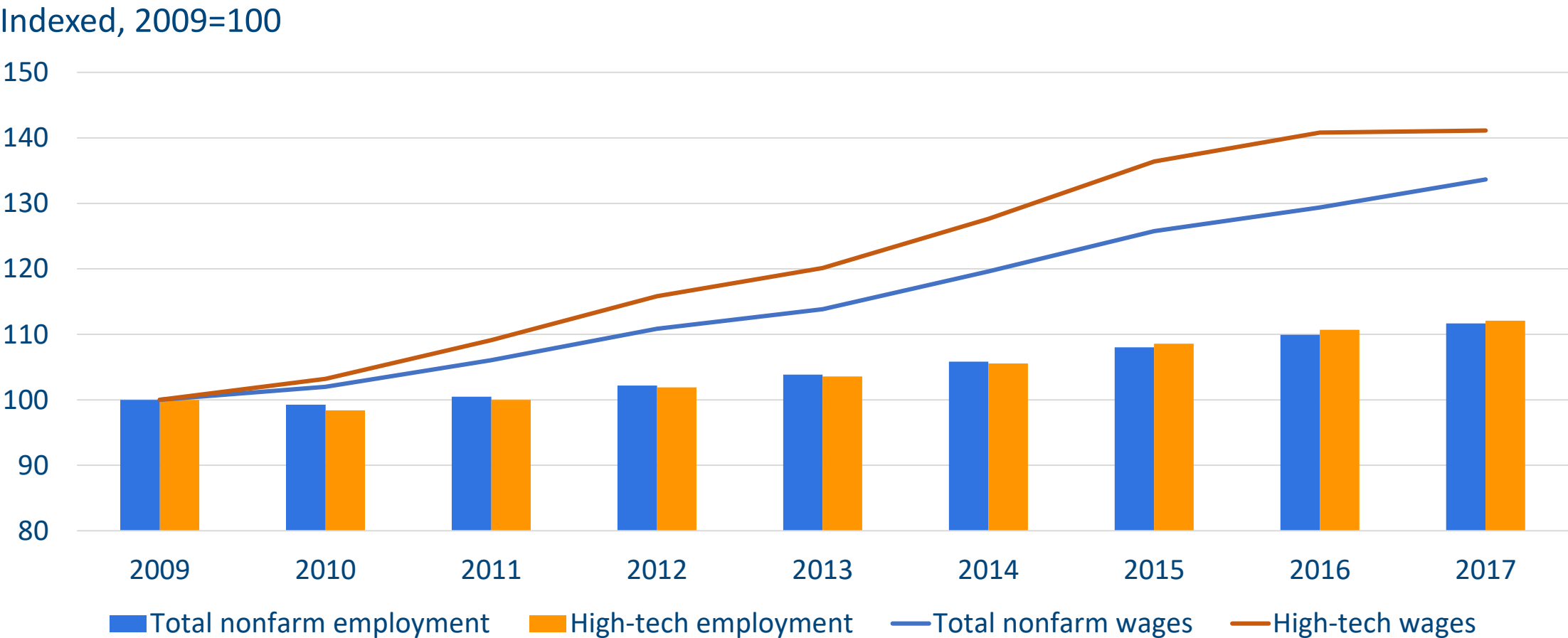
Sources: U.S. Census Bureau, American Community Survey 2012-2017, Milken Institute.

# Migration To and From California from Other States (2017)



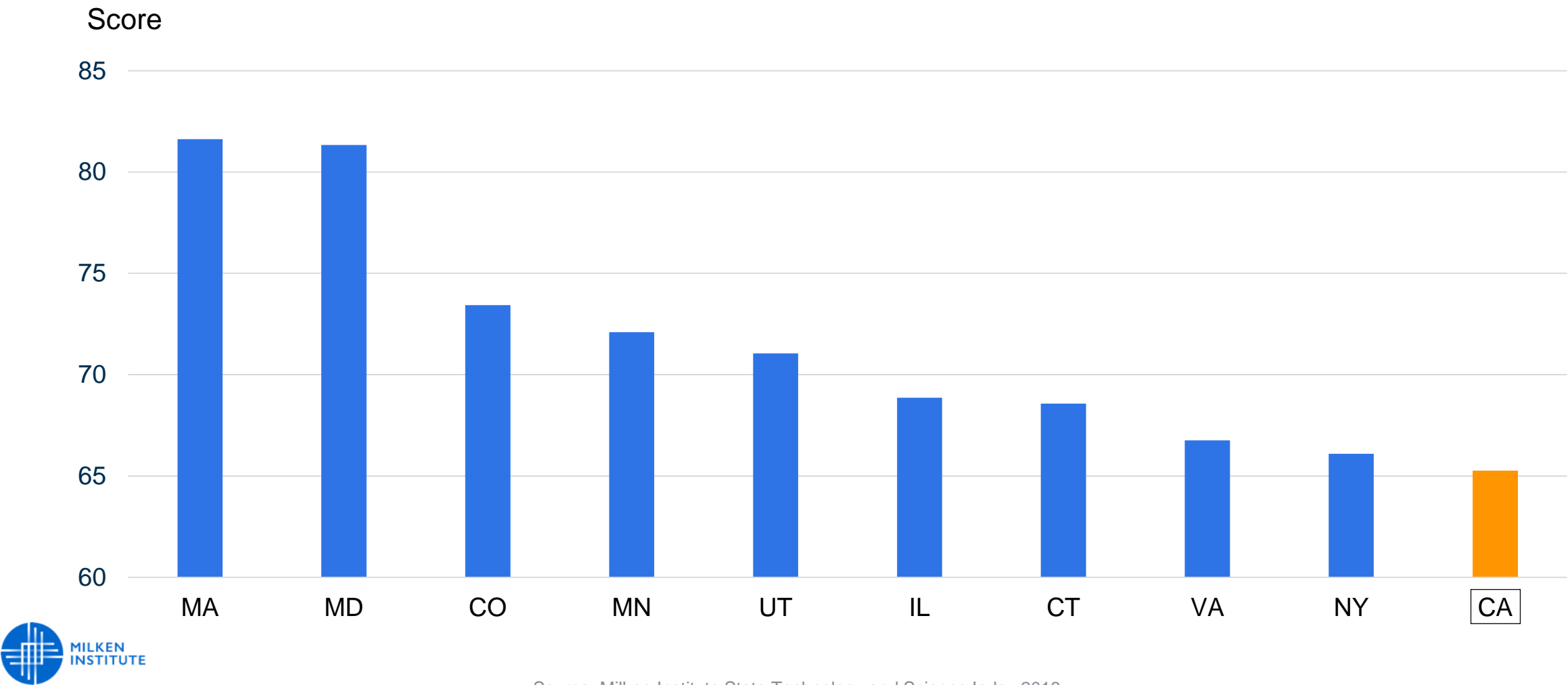


# High-tech industries coming out of the recession – creating high quality jobs



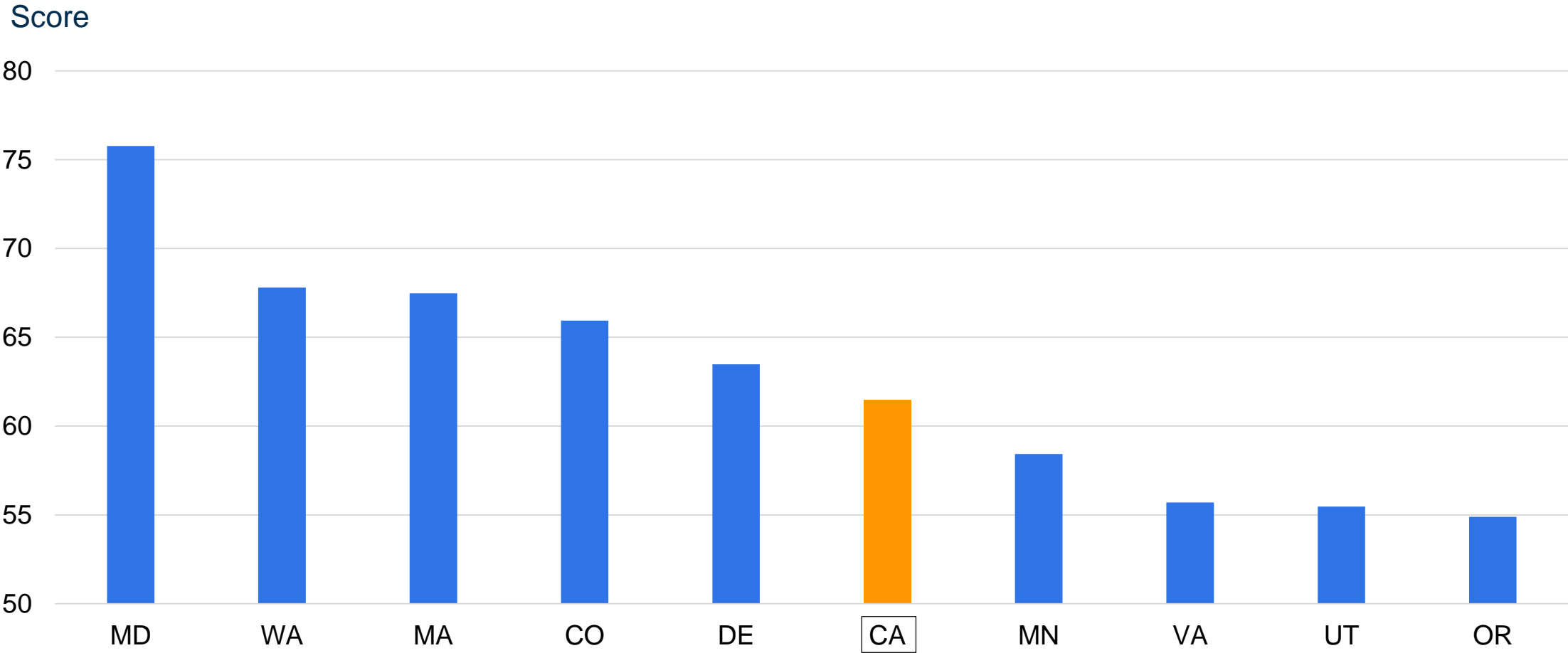
Sources: Milken Institute, Bureau of Labor Statistics.

# Human Capital Investment Index



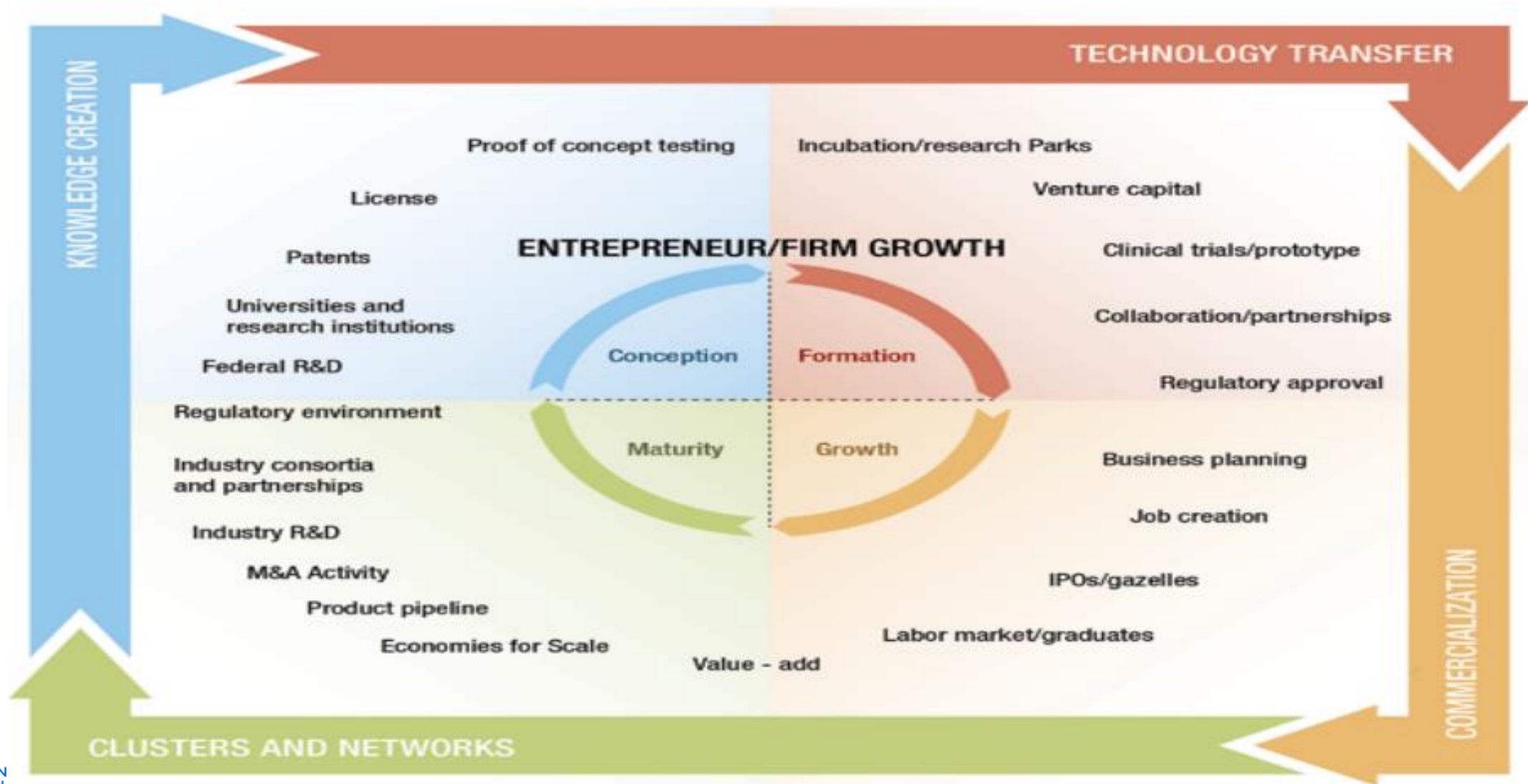
Source: Milken Institute State Technology and Science Index 2018.

# Technology and Science Workforce Index



Source: Milken Institute State Technology and Science Index 2018.

# Regional innovation life cycle



# California universities in the top 30 for technology transfer

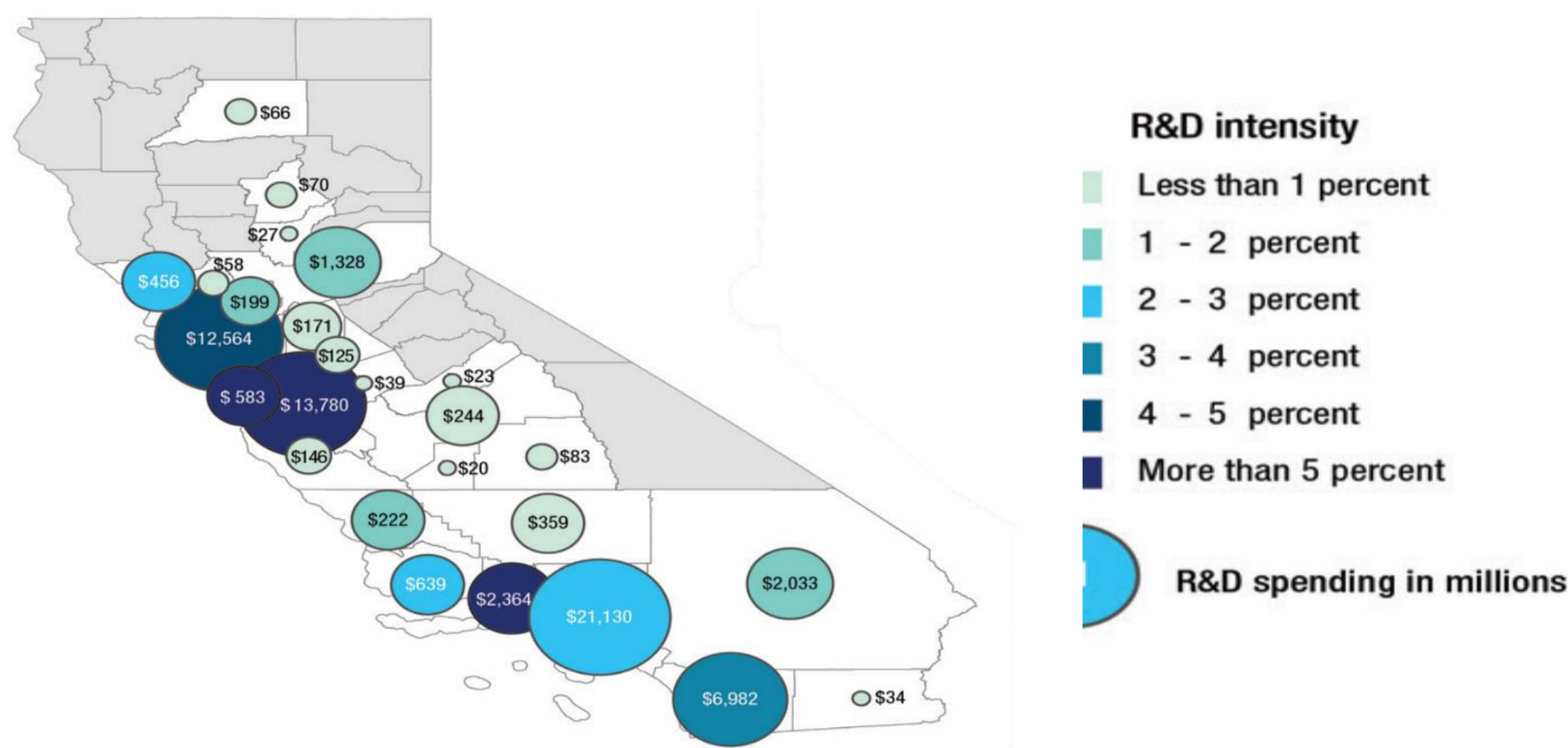


Institution	Rank
Stanford University	5
California Institute of Technology	9
University of California, Los Angeles	15
University of California, San Diego	20
University of Southern California	29

California institutions excel at both ends of the tech transfer process

- **Caltech is No. 1** for patents
- **UCLA is No. 1** for startups

# R&D spending and intensity in California metropolitan statistical areas



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## Next steps: Building Innovation

Leverage assets, Promote place –based investments, and support regional partnerships by:

- **Investment:** Encouraging R&D investment in California and align state incentives to promote business formation
  - Prioritize housing, infrastructure, and workforce development investments.
- **Encourage partnerships:** between higher-education institutions and private companies to provide students with work experience to improve workforce readiness and job placement (e.g. apprenticeship and upskilling programs for incumbent and disconnected workers).
- **Lower costs:** Increase scholarships and other financial aid for higher education for in-state students and workers who plan STEM careers.



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