California Auto Outlook[™]

Comprehensive Information on the California Vehicle Market

Volume 20, Number 3 Released July 2024

Covering Second Quarter 2024



California New Light Vehicle Registrations Predicted to Increase Slightly in 2024



Historical Data sourced from Experian Automotive. *2024 forecast by Auto Outlook. Historical figures have been updated since the previous release.

	C	alifornia		U.S.				
	YTD '23	YTD '24	Change	YTD '23	YTD '24	Change		
Registrations								
TOTAL	898,340	892,363	-0.7%	7,401,375	7,758,241	4.8%		
Car	277,747	246,660	-11.2%	1,537,182	1,479,619	-3.7%		
Light Truck	620,593	645,703	4.0%	5,864,193	6,278,622	7.1%		
Domestic	337,058	297,387	-11.8%	3,257,040	3,244,536	-0.4%		
European	134,596	132,631	-1.5%	736,292	790,484	7.4%		
Japanese	341,918	376,911	10.2%	2,609,469	2,925,503	12.1%		
Korean	84,768	85,434	0.8%	798,574	797,718	-0.1%		
Market Share								
Car	30.9	27.6	-3.3	20.8	19.1	-1.7		
Light Truck	69.1	72.4	3.3	79.2	80.9	1.7		
Domestic	37.5	33.3	-4.2	44.0	41.8	-2.2		
European	15.0	14.9	-0.1	9.9	10.2	0.3		
Japanese	38.2	42.2	4.0	35.3	37.7	2.4		
Korean	9.4	9.6	0.2	10.8	10.3	-0.5		

California and U.S New Light Vehicle Registrations YTD '23 and YTD '24 thru June

Data sourced from Experian Automotive.

TWO YEAR

PERSPECTIVE



KEY TRENDS IN NEW VEHICLE MARKET

Key factor boosting state new vehicle market: existing vehicle fleet is old. National average age of vehicles in operation has reached an all-time high. No question, modern vehicles are built better and last longer, but today's models offer many upgraded features. Passive and active safety technology, advanced infotainment options, and alternative powertrains are just a few examples. Many vehicle owners have a strong incentive to upgrade.

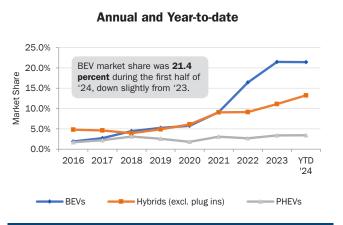
Key factor holding back state new vehicle market: monthly finance and lease costs remain elevated due to higher interest rates. Vehicle transaction prices have fallen and household incomes are increasing, but inflation has eroded purchasing power. Monthly new vehicle payments as a percent of consumer income will likely move lower in the coming months, but are high right now and it's holding back sales.

Forecast summary: replacement demand and falling transaction prices will provide some momentum for the new vehicle market for the rest of '24, while the negative factors will limit growth. Heightened anxiety surrounding the upcoming presidential election is also having an impact on consumer confidence, which could keep some shoppers on the sidelines. State new retail light vehicle registrations are predicted to reach 1.8 million units for all of this year and increase 1.9 percent from 2023.

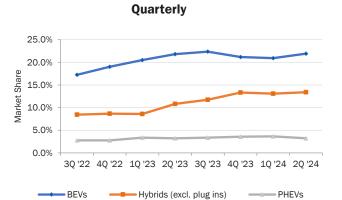
First half recap: new light vehicle registrations in California declined 0.7 percent during the first six months of this year versus the year earlier. National market improved 4.8 percent.

Vehicle Powertrain Dashboard





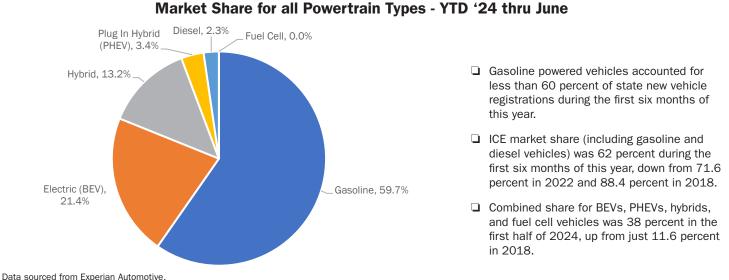
Annual Registrations and Market Share 2020 2021 2022 2023 YTD '24 **BEV** registrations 92080 161385 260071 379692 191322 BEV share 5.8% 21.4% 9.1% 16.4% 21.5% 97500 118222 Hybrid regs. (excl. plug ins) 160159 144500 196494 Hybrid share (excl. plug ins) 6.1% 13.2% 9.1% 9.1% 11.1% PHEV regs. 29083 54289 42492 59540 30542 PHEV share 1.8% 3.1% 2.7% 3.4% 3.4%



Quarterly Registrations and Market Share											
	2Q '23	3Q '23	4Q '23	1Q '24	2Q '24						
BEV registrations	102730	99785	89503	89879	101443						
BEV share	21.8%	22.4%	21.2%	20.9%	21.9%						
Hybrid regs. (excl. plug ins)	50976	52438	56353	56184	62038						
Hybrid share (excl. plug ins)	10.8%	11.7%	13.3%	13.1%	13.4%						
PHEV regs.	15103	15029	15076	15679	14863						
PHEV share	3.2%	3.4%	3.6%	3.7%	3.2%						

Data sourced from Experian Automotive. BEVs are full battery electric vehicles. PHEVs are plug in hybrids. Hybrid vehicle registrations and market share excludes mild hybrids.

Hybrid and Electric Vehicle Market Share



California and U.S. Markets

U.S.

YTD '24

21_4% California BEV market share YTD '24





Data sourced from Experian Automotive. BEVs are full battery electric vehicles

Vehicle Powertrain Dashboard



	California New Y	Battery Elect TD 2023 and			y Make	
	F	Registrations	Market Share (%)			
	YTD '23	YTD '24	% Change	YTD '23	YTD '24	Change
TOTAL	190,404	191,324	0.5			
Acura	0	18		0.0	0.0	0.0
Audi	3,165	5,616	77.4	1.7	2.9	1.2
BMW	6,159	9,821	59.5	3.2	5.1	1.9
Cadillac	375	2,508	568.8	0.2	1.3	1.1
Chevrolet	10,863	5,368	-50.6	5.7	2.8	-2.9
Ford	6,898	8,717	26.4	3.6	4.6	1.0
Genesis	683	973	42.5	0.4	0.5	0.1
GMC	3	670	22233.3	0.0	0.4	0.4
Honda	0	277		0.0	0.1	0.1
Hyundai	6,526	10,814	65.7	3.4	5.7	2.3
Jaguar	17	826	4758.8	0.0	0.4	0.4
Kia	4,275	7,367	72.3	2.2	3.9	1.7
Lexus	319	2,351	637.0	0.2	1.2	1.0
Mazda	52	1	-98.1	0.0	0.0	0.0
Mercedes	7,195	9,308	29.4	3.8	4.9	1.1
MINI	376	523	39.1	0.2	0.3	0.1
Nissan	2,088	2,782	33.2	1.1	1.5	0.4
Other	1,264	3,754	197.0	0.7	2.0	1.3
Polestar	2,558	974	-61.9	1.3	0.5	-0.8
Porsche	1,117	1,029	-7.9	0.6	0.5	-0.1
Ram	0	3		0.0	0.0	0.0
Rivian	3,907	6,903	76.7	2.1	3.6	1.5
Subaru	547	1,131	106.8	0.3	0.6	0.3
Tesla	123,005	102,106	-17.0	64.6	53.4	-11.2
Toyota	1,464	3,046	108.1	0.8	1.6	0.8
Volkswagen	5,967	3,909	-34.5	3.1	2.0	-1.1
Volvo	1,581	529	-66.5	0.8	0.3	-0.5

Make and Model Registrations for BEVs and PHEVs in California

BEVs are full battery electric vehicles. PHEVs are plug in hybrids.

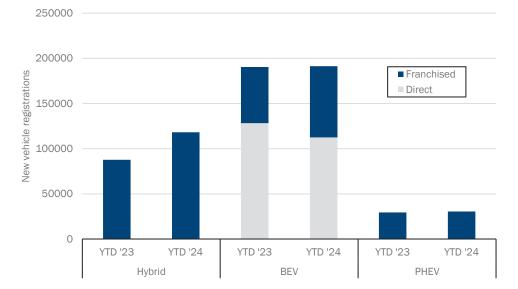
Data sourced from Experian Automotive.



Top 15 Selling BEV and PHEV Models - YTD '24 thru June

Rank	Model	Туре	Regs.
1	Tesla Model Y	BEV	69,810
2	Tesla Model 3	BEV	21,050
3	Hyundai Ioniq 5	BEV	7,191
4	Tesla Model X	BEV	5,833
5	Ford Mustang Mach-E	BEV	5,314
6	Toyota RAV4	PHEV	5,191
7	Rivian R1S	BEV	4,837
8	Jeep Wrangler	PHEV	4,614
9	BMW i4	BEV	4,060
10	Chevrolet Bolt	BEV	3,960
11	Volkswagen ID.4	BEV	3,909
12	Tesla Cybertruck	BEV	3,048
13	Toyota bZ4X	BEV	3,046
14	BMW iX	BEV	3,010
15	Ford F-Series Lightning	BEV	2,999

Alternative Powertrain Sales by Type of Selling Dealership - YTD '23 and '24, thru June



- □ The graph on the left shows new vehicle registrations for Hybrids, BEVs, and PHEVs broken down by type of selling dealership. Franchised dealerships accounted for more than 67 percent of combined sales for all three alternative powertrain types.
- Franchised dealership share of the BEV only market increased to 41.2 percent in first half of '24, up from 32.7 percent a year earlier.
- Sales of BEVs at franchised dealerships increased 27 percent so far this year, compared to the 12.3 percent drop for direct sellers.

MODEL RANKINGS

Tesla Model Y Retains Top Spot in California New Vehicle Market

The table below shows the top five selling models during the first six months of this year in 18 segments. In addition to unit registrations, it also shows each model's market share in its respective segment.



Small Cars: Honda Civic Mid-Size and Large Cars: Toyota Camry Near Luxury Cars: Tesla Model 3 Comp./Mid Size Pickup: Toyota Tacoma

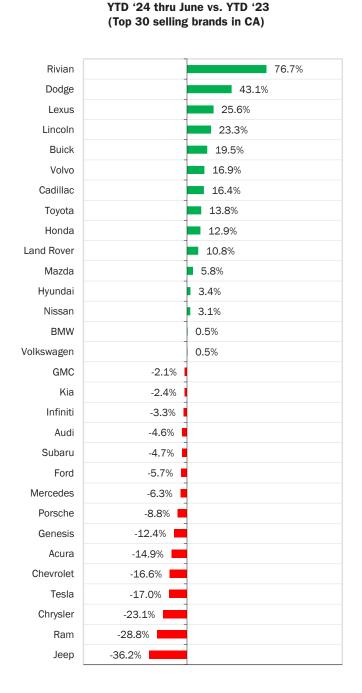
BEST SELLERS IN PRIMARY SEGMENTS

Full Size Pickup: Chevrolet SilveradoCompact SUV: Toyota RAV42 Row Mid-Size SUV: Subaru OutbackLuxury Mid-Size SUV: Lexus RX

	Тор	o Selli	ng Models in Each Segm	nent - Ne	w Reta	ail Light Vehicle Regi	strations (YTD 20)24 thru June)		
Small Ca	rs		Mid Size and Larg	ge Cars		Sports/Por	ny Cars	Near Luxury (ars	
Model	Regs. S	Share	Model	Regs.	Share	Model	Regs. Share	Model	Regs.	Share
Honda Civic	26926	29.1	Toyota Camry	29012	41.9	Ford Mustang	3088 35.1	Tesla Model 3	21050	39.5
Toyota Corolla	20455	22.1	Honda Accord	17258	24.9	Dodge Challenger	2131 24.2	Lexus ES	4668	8.8
Kia Forte	8655	9.4	Nissan Altima	5176	7.5	Toyota 86	1529 17.4	BMW i4	4060	7.6
Nissan Sentra	8098	8.8	Chevrolet Malibu	4629	6.7	Chevrolet Camaro	666 7.6	Mercedes C-Class	3640	6.8
Hyundai Elantra	5903	6.4	Dodge Charger	3785	5.5	Mazda MX5	612 7.0	BMW 3-Series	3336	6.3
Luxury and High End	d Sports C	ars	Compact/Mid Size			Full Size P		Mini Van		
Model	Regs. S	Share	Model	Regs.	Share	Model	Regs. Share	Model	Regs.	Share
Tesla Model S	2363	10.3	Toyota Tacoma	10808	34.8	Chevrolet Silverado	18487 25.9	Toyota Sienna	4181	35.7
BMW i5	1805	7.9	Ford Maverick	7537	24.3	Ford F-Series	17705 24.8	Honda Odyssey	3530	30.1
Mercedes E-Class	1654	7.2	Nissan Frontier	3467	11.2	GMC Sierra	10012 14.0	Chrysler Pacifica	2079	17.7
BMW 5-Series	1651	7.2	Chevrolet Colorado	2704	8.7	Toyota Tundra	8304 11.6	Kia Carnival	1735	14.8
Chevrolet Corvette	1587	6.9	Jeep Gladiator	1723	5.6	Ram Pickup	8185 11.5	Chrysler Voyager	199	1.7
Large Va	Large Van		Subcompact S	Subcompact SUV		Compact SUV		2 Row Mid Size SUV		
Model	Regs. S	Share	Model	Regs.	Share	Model	Regs. Share	Model		Share
Ford Transit Connect	5789	41.9	Honda HR-V	11666	19.7	Toyota RAV4	36160 23.9	Subaru Outback	7174	19.2
Mercedes Sprinter	2996	21.7	Subaru Crosstrek	8787	14.8	Honda CR-V	25340 16.8	Toyota 4Runner	6044	16.1
Ram Promaster	1985	14.4	Toyota Corolla Cross	6108	10.3	Nissan Rogue	8413 5.6	Ford Mustang Mach-E	5314	14.2
Chevrolet Express	846	6.1	Kia Niro	4704	7.9	Subaru Forester	7906 5.2	Hyundai Santa Fe	3955	10.6
Ford E-Series	805	5.8	Mazda CX-30	4585	7.7	Hyundai loniq 5	7191 4.8	Toyota Venza	3601	9.6
3 Row Mid Si	ze SUV		Large SUV			Luxury Subcon	npact SUV	Luxury Compac	t SUV	
Model	Regs. S	Share	Model	Regs.	Share	Model	Regs. Share	Model	Regs.	Share
Ford Explorer	7456	12.9	Ford Bronco	3796	24.1	Audi Q3	2568 18.4	Tesla Model Y	69810	65.6
Honda Pilot	7281	12.6	Chevrolet Tahoe	3493	22.1	Mercedes EQB	2414 17.3	Lexus NX	7920	7.4
Toyota Grand Highlan	6292	10.9	Chevrolet Suburban	1671	10.6	Audi Q4 E-Tron	1999 14.3	BMW X3	5051	4.7
Toyota Highlander	6268	10.9	Ford Expedition	1566	9.9	BMW X1	1719 12.3	Audi Q5	3889	3.7
Kia Telluride	4428	7.7	GMC Yukon	1323	8.4	Volvo XC40	1607 11.5	Mercedes GLC-Class	3555	3.3
Luxury Mid Si	ze SUV		Luxury Large S	SUV		Top Selling Pass	senger Cars	Top Selling Light	Trucks	
Model	Regs. S	Share	Model	Regs.	Share	Model	Regs. Share	Model	Regs.	Share
Lexus RX	9068	16.2	Rivian R1S	4837	23.8	Toyota Camry	29012 11.8	Tesla Model Y	69810	10.8
Tesla Model X	5835	10.4	Lexus TX	3076	15.1	Honda Civic	26926 10.9	Toyota RAV4	36160	5.6
Mercedes GLE-Class	4462	8.0	Cadillac Escalade	2026	10.0	Tesla Model 3	21050 8.5	Honda CR-V	25340	3.9
BMW X5	4144	7.4	Mercedes GLS-Class	1951	9.6	Toyota Corolla	20455 8.3	Chevrolet Silverado	18487	2.9
BMW iX	3010	5.4	Land Rover Range Rover	1875	9.2	Honda Accord	17258 7.0	Ford F-Series	17705	2.7

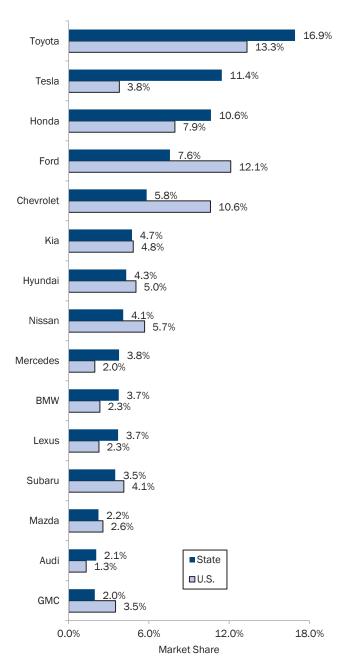
BRAND SUMMARY

Registrations Increased by More Than 10 Percent for Ten Brands; Toyota Market Share Approached 17 Percent



Percent Change in Brand Registrations

California and U.S. Market Share - YTD '24 thru June (Top 15 selling brands in CA)





Registrations increased by more than 10 percent for Rivian, Dodge, Lexus, Lincoln, Buick, Volvo, Cadillac, Toyota, Honda, and Land Rover.



Toyota, Tesla, Honda, Ford, and Chevrolet were market share leaders in California.

Detailed Results for All Brands in California Market

California New Car and Light Truck Registrations												
			Second (Quarter		Year to date thru June						
	R	egistrations	6	Mark	et Share (%	5)	R	egistrations	;	Marl	ket Share (%	6)
	2Q '23	2Q '24	% Change	2Q '23	2Q '24	Change	YTD '23	YTD '24	% Change	YTD '23	YTD '24	Change
TOTAL	470,700	462,873	-1.7				898,340	892,363	-0.7			
Acura	4,252	3,316	-22.0	0.9	0.7	-0.2	7,809	6,647	-14.9	0.9	0.7	-0.2
Alfa Romeo	337	246	-27.0	0.1	0.1	0.0	636	561	-11.8	0.1	0.1	0.0
Audi	10,364	8,801	-15.1	2.2	1.9	-0.3	19,262	18,382	-4.6	2.1	2.1	0.0
BMW	17,337	16,693	-3.7	3.7	3.6	-0.1	33,215	33,396	0.5	3.7	3.7	0.0
Buick	1,002	1,390	<mark>38.7</mark>	0.2	0.3	0.1	2,258	2,699	19.5	0.3	0.3	0.0
Cadillac	3,127	3,665	17.2	0.7	0.8	0.1	6,078	7,072	16.4	0.7	0.8	0.1
Chevrolet	30,989	27,244	-12.1	6.6	5.9	-0.7	62,347	52,009	-16.6	6.9	5.8	-1.1
Chrysler	1,693	1,325	-21.7	0.4	0.3	-0.1	3,205	2,465	-23.1	0.4	0.3	-0.1
Dodge	3,595	4,218	<u>17.3</u>	0.8	0.9	0.1	6,413	9,176	43.1	0.7	1.0	0.3
Ford	36,557	33,609	-8.1	7.8	7.3	-0.5	71,610	67,561	-5.7	8.0	7.6	-0.4
Genesis	2,121	1,904	-10.2	0.5	0.4	-0.1	4,215	3,691	-12.4	0.5	0.4	-0.1
GMC	9,054	9,284	2.5	1.9	2.0	0.1	17,786	17,416	-2.1	2.0	2.0	0.0
Honda	45,898	49,805	8.5	9.8	10.8	1.0	84,081	94,939	12.9	9.4	10.6	1.2
Hyundai	19,918	21,853	9.7	4.2	4.7	0.5	37,170	38,420	3.4	4.1	4.3	0.2
Infiniti	1,378	1,170	-15.1	0.3	0.3	0.0	2,612	2,526	-3.3	0.3	0.3	0.0
Jaguar	292	872	<u>198.6</u>	0.1	0.2	0.1	635	1,519	139.2	0.1	0.2	0.1
Jeep	11,813	6.967	-41.0	2.5	1.5	-1.0	22,862	14,579	-36.2	2.5	1.6	-0.9
Kia	22,332	23,461	5.1	4.7	5.1	0.4	43,255	42,213	-2.4	4.8	4.7	-0.1
Land Rover	2,902	3,444	18.7	0.6	0.7	0.1	6,179	6,846	10.8	0.7	0.8	0.1
Lexus	14,583	16,937	16.1	3.1	3.7	0.6	26,282	33,014	25.6	2.9	3.7	0.8
Lincoln	1,079	1,311	21.5	0.2	0.3	0.1	2,166	2,670	23.3	0.2	0.3	0.1
Maserati	241	333	38.2	0.1	0.1	0.0	420	722	71.9	0.0	0.1	0.1
Mazda	10,113	9,938	-1.7	2.1	2.1	0.0	18,796	19.879	5.8	2.1	2.2	0.1
Mercedes	18,681	16,518	-11.6	4.0	3.6	-0.4	35,881	33,629	-6.3	4.0	3.8	-0.2
MINI	1.190	914	-23.2	0.3	0.2	-0.1	2,399	2,200	-8.3	0.3	0.2	-0.1
Mitsubishi	898	790	-12.0	0.2	0.2	0.0	1,799	1,462	-18.7	0.2	0.2	0.0
Nissan	19,100	20,577	7.7	4.1	4.4	0.3	35,292	36,400	3.1	3.9	4.1	0.2
Polestar	508	590	16.1	0.1	0.1	0.0	2,559	974	-61.9	0.3	0.1	-0.2
Porsche	4,376	3,995	-8.7	0.9	0.9	0.0	8,601	7,848	-8.8	1.0	0.9	-0.1
Ram	7,418	4,434	-40.2	1.6	1.0	-0.6	14,281	10,173	-28.8	1.6	1.1	-0.5
Rivian	2.217	3,742	68.8	0.5	0.8	0.3	3,907	6.903	76.7	0.4	0.8	0.4
Subaru	16,167	16,595	2.6	3.4	3.6	0.2	32,612	31,080	-4.7	3.6	3.5	-0.1
Tesla	68,827	52,211	-24.1	14.6	11.3	-3.3	123.006	102,106	-17.0	13.7	11.4	-2.3
Toyota	67.032	79,163	18.1	14.2	17.1	2.9	132,635	150,964	13.8	14.8	16.9	2.1
Volkswagen	8,440	8,304	-1.6	1.8	1.8	0.0	16,936	17,014	0.5	1.9	1.9	0.0
Volvo	3,501	3,932	12.3	0.7	0.8	0.0	6,521	7,620	16.9	0.7	0.9	0.0
Other	1,368	3,332	142.8	0.7	0.8	0.1	2,619	5,588	113.4	0.7	0.5	0.2
Data sourced from	,	- / -	172.0	0.5	0.1	0.4	2,013	0,000	110.4	0.5	0.0	0.5

The table above shows new light vehicle (car and light truck) registrations in California. Figures are shown for the Second Quarters of 2023 and 2024, and year to date totals. Vehicle registrations are recorded based on when the vehicle title information is processed by the state, which typically occurs after the vehicle is sold. The top ten ranked brands in each category are shaded yellow. Historical figures have been updated since the previous release.

California Auto Outlook

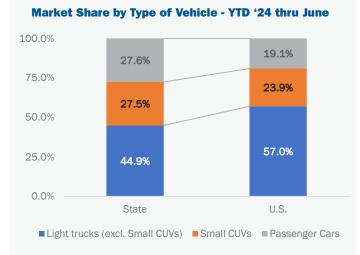
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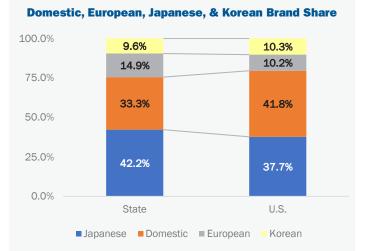
VEHICLE AND BRAND SEGMENTS

Passenger Car Market Share in California Exceeds U.S. Levels



Combining the blue and orange sections in the graph above corresponds to the standard industry definition of light trucks. Small crossovers are broken out, however, since many are more similar to compact hatchbacks than to many trucks. State light truck share (excluding small CUVs) was **44.9**% so far this year, below the **57.0**% share in the U.S.

Data sourced from Experian Automotive.



Japanese brand market share in the state was higher than U.S. levels: **42.2**% vs. **37.7**%. State Domestic brand share (which includes Tesla and Rivian) was **33.3**% in the first half of this year. European brands accounted for a higher share of the state market than in the Nation.

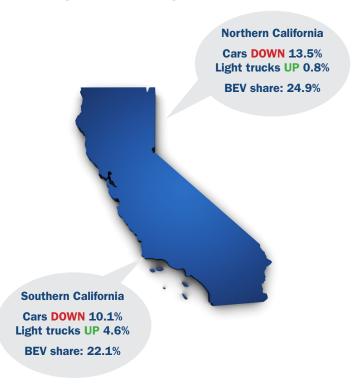
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REGIONAL MARKETS IN CALIFORNIA

Southern California New Retail Market Essentially Unchanged in First Half of 2024 San Diego County Market Increased by 1.6 percent

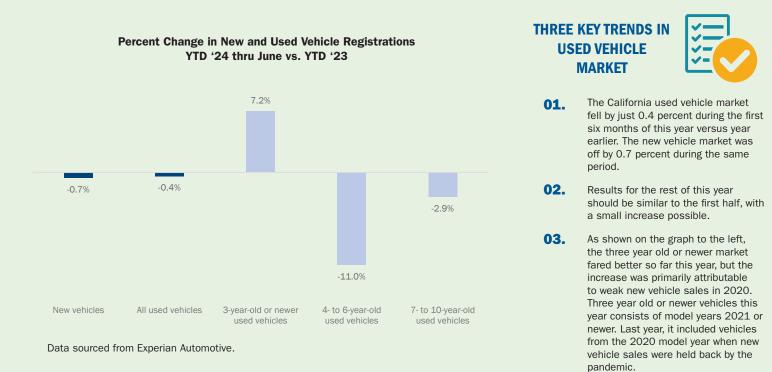
New Retail Light Vehicle Regist	trations (exclue	ling fleets) YTI	O thru June
North and South California	YTD '23	YTD '24	% chg.
Statewide Total	789,296	779,961	-1.2%
Cars	243,118	215,964	-11.2%
Light Trucks	546,178	563,997	3.3%
Northern California	272,801	263,830	-3.3%
Cars	78,117	67,607	-13.5%
Light Trucks	194,684	196,223	0.8%
Southern California	516,495	516,131	-0.1%
Cars	165,001	148,357	-10.1%
Light Trucks	351,494	367,774	4.6%
Selected Regional Markets			
San Francisco Bay	154,146	149,275	-3.2%
Cars	46,649	39,052	-16.3%
Light Trucks	107,497	110,223	2.5%
LA and Orange Counties	298,746	299,025	0.1%
Cars	98,770	87,834	-11.1%
Light Trucks	199,976	211,191	5.6%
San Diego County	71,288	72,400	1.6%
Cars	19,978	18,236	-8.7%
Light Trucks	51,310	54,164	5.6%

Percent Change in New Retail Registrations - YTD '24 vs. YTD '23



CALIFORNIA USED VEHICLE MARKET

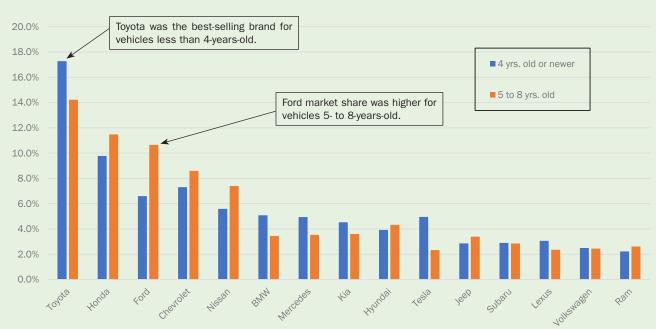
California Used Vehicle Market Declined Slightly in First Half of This Year



USED VEHICLE BRAND MARKET SHARE

Toyota is Top Seller in California Used Vehicle Market

The graph below shows used light vehicle registrations by brand for two age categories: vehicles less than 4-years-old and vehicles 5- to 8-years-old. Brands are positioned from left to right based on overall market share.



Brand Market Share for Top 15 Selling Brands, by Vehicle Age (YTD '24 thru June)