

Turnaround Time Snapshot

Reporting period: January 9, 2022 to January 15, 2022

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results. Labs that delivered more than 1,000 results in the week are included in the dashboard.

The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.

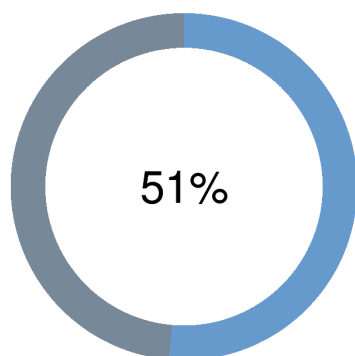


Turnaround Time, days¹: Reporting period of 1/9/2022 - 1/15/2022²

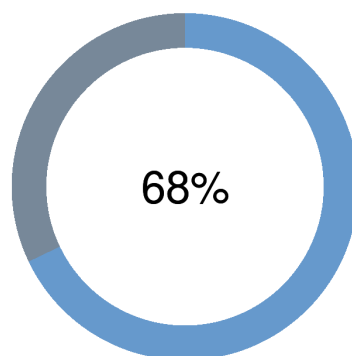
Average turnaround time from specimen collection to lab result: 1.9 day

% of results meeting turnaround time of 1 day

% of results meeting turnaround time of 2 days



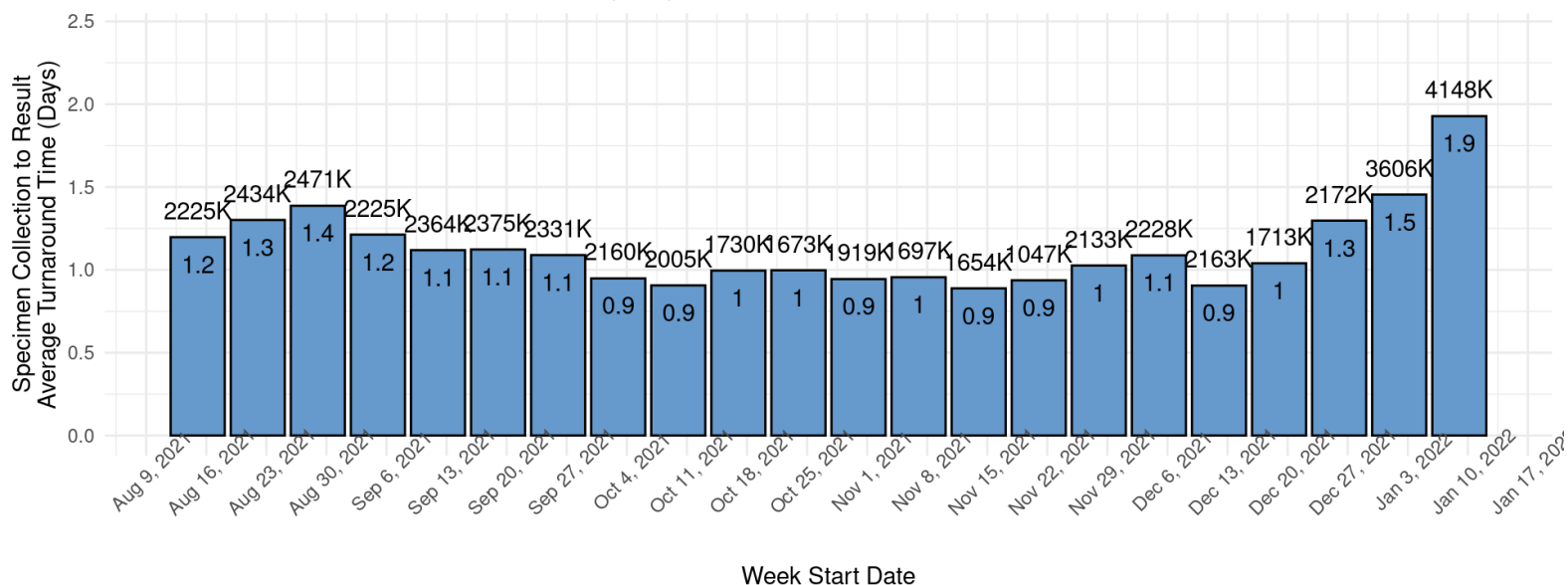
% change from week prior
-6%



% change from week prior
-13%

Average Turnaround Time by weeks, days¹

Note: In text is the # of PCR tests, in thousands (000s)



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date. Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Source: CalREDIE ELR messages received in CalREDIE production: "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

Time from specimen collection to lab results (days): Week of 1/9/2022 - 1/15/2022²

Lab Category	Location	Total test count	1 day, % of results	2 days, % of results	3 days - 4 days, % of results	5+ days, % of results	Total results within 2 days, % of results	Difference in % of results within 2 days from prior period	Specimen collection to result average TAT (days)
	Total	4,147,986	51%	17%	25%	7%	68%	-13.3%	1.9
Commercial	Total	2,969,841	57%	17%	19%	7%	74%	-8.9%	1.8
Commercial	SummerBio	481,402	94%	5%	1%	0%	99%	0.5%	<1
Commercial	Fulgent Genetics	459,343	49%	24%	26%	1%	73%	-6.9%	1.9
Commercial	Uncategorized	304,346	68%	13%	14%	5%	81%	-8.8%	1.2
Commercial	COVID Clinic	191,597	62%	15%	10%	13%	77%	-4.6%	2.2
Commercial	Curative	135,884	12%	33%	54%	1%	45%	-38.0%	2.5
Commercial	Labcorp	102,683	5%	17%	52%	27%	21%	-39.1%	3.7
Commercial	Quest	101,270	18%	34%	41%	5%	52%	-8.0%	2.6
Commercial	Color Genomics	98,042	21%	20%	33%	26%	41%	-36.4%	2.9
Commercial	Avellino	60,592	2%	17%	67%	14%	19%	-51.8%	3.4
Commercial	Flow Health	59,300	99%	0%	1%	0%	99%	-0.7%	<1
Commercial	PREDICINE INC.	56,108	100%	0%	0%	0%	100%	0.0%	0
Commercial	Inspire Health Alliance	52,131	46%	45%	7%	2%	91%	-5.6%	1.4
Commercial	Crestview Clinical Laboratory	45,080	21%	12%	24%	42%	33%	-37.5%	4.5
Commercial	Helix OpCo	40,805	97%	2%	1%	0%	99%	-0.1%	<1
Commercial	MiraDx	40,362	25%	41%	29%	6%	66%	-2.0%	2.3
Commercial	MD Labs	28,743	15%	30%	48%	7%	45%	-27.5%	2.8
Commercial	Quickmed	28,346	75%	24%	1%	0%	98%	6.4%	1.1
Commercial	Primex Clinical Laboratories	25,339	99%	0%	1%	0%	99%	-0.7%	<1
Commercial	Brio Clinical	25,100	61%	31%	8%	0%	92%	-2.8%	1.1
Commercial	PMH Laboratory	24,303	28%	38%	32%	1%	66%	-16.2%	2.1
Commercial	Aptitude Clinical Diagnostics	21,545	98%	1%	1%	0%	99%	-0.7%	<1
Commercial	Genentox Laboratories	20,773	16%	9%	6%	68%	25%	-14.7%	6.5
Commercial	Laboratory Services of America	19,301	0%	47%	39%	14%	47%	3.7%	3
Commercial	HealthQuest	18,750	37%	12%	18%	33%	48%	-5.5%	3.2

	Esoterics								
Commercial	Biocept	17,967	32%	43%	22%	3%	75%	-3.7%	2
Commercial	Ultimate Dx	17,724	94%	4%	1%	0%	98%	-0.3%	<1
Commercial	Ambry Genetics	17,710	97%	3%	0%	0%	100%	0.1%	<1
Commercial	IGeneX	17,691	70%	21%	7%	2%	91%	9.6%	1.3
Commercial	Exceltox	17,533	75%	13%	11%	1%	88%	-1.1%	1.3
Commercial	PathMD	17,171	40%	33%	25%	2%	73%	0.7%	2
Commercial	WestPac Labs	15,843	37%	43%	19%	1%	80%	-11.1%	1.8
Commercial	InnerHealth Laboratory	15,678	41%	43%	16%	1%	83%	-8.4%	1.7
Commercial	BioReference Laboratories	15,660	99%	0%	0%	0%	99%	-0.4%	<1
Commercial	UDL	14,931	40%	27%	23%	10%	67%	-9.0%	2.2
Commercial	MyMedLab	14,856	5%	22%	21%	52%	27%	3.9%	4
Commercial	Phamatech Laboratories & Diagnostics	14,840	99%	1%	1%	0%	99%	-0.3%	<1
Commercial	National Lab	13,692	90%	8%	2%	0%	98%	-1.7%	<1
Commercial	Pangea Labs	12,559	94%	5%	1%	0%	99%	0.5%	<1
Commercial	Discover Labs	11,786	17%	45%	33%	6%	61%	-5.7%	2.5
Commercial	Healthy Care Clinical Laboratories	11,397	100%	0%	0%	0%	100%	-0.1%	<1
Commercial	ShieldT3	10,113	91%	8%	0%	1%	99%	-0.1%	<1
Commercial	The Testing Company	9,855	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Foundation labs	9,815	75%	20%	4%	1%	96%	0.2%	1.3
Commercial	TruGraf	9,417	26%	28%	32%	14%	54%	13.4%	2.9
Commercial	Pacific Toxicology Labs	9,177	63%	23%	14%	0%	86%	-10.5%	1.4
Commercial	Genetworx	9,097	58%	3%	11%	28%	61%	2.4%	2.3
Commercial	Clarity Lab Solutions	8,489	96%	1%	2%	0%	98%	-1.9%	<1
Commercial	Omni Pathology	7,927	19%	26%	29%	25%	45%	-9.4%	3
Commercial	Pacific Diagnostic Laboratories	7,849	66%	27%	8%	0%	92%	-4.6%	1.2
Commercial	One Health Laboratory	7,733	100%	0%	0%	0%	100%	-0.0%	<1
Commercial	Medical Diagnostic Laboratory	7,362	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Verily Labs	7,244	83%	16%	1%	0%	99%	12.8%	1.1
Commercial	STS Lab 2	7,147	72%	17%	10%	0%	90%	-9.6%	<1

Commercial	Clinical Reference Laboratory	6,571	4%	14%	58%	23%	19%	0.3%	3.7
Commercial	AIT Labs	6,366	4%	12%	57%	25%	16%	-13.1%	3.8
Commercial	Equaltox Laboratory	6,094	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Northshore Clinical Labs	5,971	1%	1%	0%	97%	3%	-7.0%	16.4
Commercial	Aegis Sciences	5,784	27%	36%	32%	5%	62%	16.6%	2.4
Commercial	Ashley Laboratory	5,684	100%	0%	0%	0%	100%	-0.1%	<1
Commercial	DiaCarta	5,662	6%	18%	60%	17%	23%	-64.5%	3.4
Commercial	Priva Path (dba LGC Labs)	5,350	31%	45%	22%	2%	76%	3.8%	2
Commercial	Bach Diagnostics	5,320	7%	36%	56%	1%	43%	-28.5%	2.6
Commercial	Simple Laboratories	5,253	17%	34%	44%	5%	51%	-28.4%	2.6
Commercial	Sunrise Diagnostic Laboratory	5,167	52%	22%	14%	12%	74%	27.7%	1.8
Commercial	Cue Health	4,853	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Dxterity Laboratory	4,826	92%	5%	3%	0%	97%	-0.5%	1
Commercial	Sun Clinical Laboratories	4,793	99%	1%	1%	0%	99%	-0.4%	<1
Commercial	Genesis Laboratory Management	4,748	56%	27%	10%	7%	84%	13.3%	1.8
Commercial	Genesis Reference Laboratories	4,508	63%	24%	12%	1%	87%	4.7%	1.5
Commercial	Magnolia Diagnostics	4,107	3%	30%	55%	12%	33%	-15.1%	3.1
Commercial	Promis Diagnostics	3,807	0%	0%	14%	86%	0%	-28.3%	6.2
Commercial	Universal Diagnostic Laboratories	3,747	44%	23%	19%	14%	67%	3.6%	2.2
Commercial	Pacific Analytics	3,560	100%	0%	0%	0%	100%	1.6%	<1
Commercial	BioCom	3,416	77%	18%	3%	2%	95%	9.5%	1.2
Commercial	Biocorp	3,358	99%	0%	0%	0%	99%	-0.4%	<1
Commercial	Valley Clinical Laboratory	3,093	22%	4%	27%	47%	26%	-71.7%	3.9
Commercial	Eurofins	3,007	45%	25%	17%	12%	70%	-5.5%	2.6
Commercial	Life Technologies Clinical Services	2,827	97%	3%	0%	0%	100%	0.3%	<1

Commercial	National Genetics Institute	2,727	0%	28%	69%	3%	28%	-1.9%	3.1
Commercial	Vero Diagnostics	2,645	2%	7%	42%	49%	9%	-9.6%	4.6
Commercial	Vitae Diagnostics	2,575	8%	19%	58%	15%	27%	-34.0%	3.2
Commercial	Vikor	2,370	0%	32%	55%	13%	32%	-31.2%	3.2
Commercial	Mako Medical	2,319	1%	39%	39%	21%	40%	14.8%	3.2
Commercial	Nextgen Laboratories	2,263	71%	15%	11%	3%	86%	-5.8%	1.4
Commercial	Biocerna	2,187	96%	3%	1%	0%	99%	0.3%	<1
Commercial	Infinity Biologix	2,087	13%	28%	43%	15%	42%	16.9%	3
Commercial	Clinical Pathology Laboratories	2,043	28%	57%	12%	2%	86%	12.3%	2
Commercial	renegade.bio	1,696	66%	19%	15%	0%	85%	-14.8%	1.4
Commercial	TargetDX Laboratory	1,648	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Carbon Health	1,620	97%	1%	1%	0%	98%	-1.1%	<1
Commercial	Pathnostics	1,534	24%	33%	39%	3%	58%	4.2%	2.4
Commercial	GRI Labs	1,456	5%	47%	46%	1%	53%	15.3%	2.6
Commercial	Bio Genetisys	1,433	99%	1%	0%	0%	100%	-0.2%	<1
Commercial	McCampbell Analytical	1,412	100%	0%	0%	0%	100%	0.0%	<1
Commercial	Gravity Diagnostics	1,357	13%	8%	62%	17%	21%	-11.5%	3.3
Commercial	CVS	1,208	95%	2%	2%	1%	97%	-1.4%	<1
Commercial	Yosemite Pathology Medical Group	1,107	61%	23%	2%	15%	83%	-1.7%	1.9
Commercial	Solaris	1,079	51%	26%	21%	3%	76%	-1.7%	1.9
Medical Center Affiliated	Total	772,071	55%	13%	23%	10%	67%	-11.1%	1.9
Medical Center Affiliated	Kaiser SoCal	241,176	13%	7%	50%	30%	20%	-18.0%	3.6
Medical Center Affiliated	Kaiser NorCal	126,063	21%	44%	35%	0%	65%	-13.7%	2.2
Medical Center Affiliated	UC Davis	54,655	99%	1%	0%	0%	100%	-0.2%	<1
Medical Center Affiliated	UCLA	52,252	86%	9%	4%	0%	95%	0.4%	1.1
Medical Center Affiliated	Dignity Health	28,636	91%	5%	3%	1%	96%	-2.3%	<1

Medical Center Affiliated	Sutter Health	28,354	84%	15%	1%	0%	99%	6.2%	<1
Medical Center Affiliated	Stanford Hospital and Clinics	21,624	86%	14%	0%	0%	100%	-0.1%	<1
Medical Center Affiliated	UC Irvine	15,720	61%	5%	9%	25%	66%	-2.7%	2.4
Medical Center Affiliated	Calm Lab	14,504	99%	1%	0%	0%	100%	0.1%	<1
Medical Center Affiliated	Santa Clara Valley Medical Center	13,832	93%	6%	1%	0%	99%	1.4%	<1
Medical Center Affiliated	University of Southern California - Los Angeles	12,332	99%	0%	0%	0%	100%	-0.3%	<1
Medical Center Affiliated	HCA	11,930	79%	20%	1%	0%	99%	-0.4%	<1
Medical Center Affiliated	Innovative Genomics Institute	11,252	86%	10%	4%	0%	96%	-3.7%	1.2
Medical Center Affiliated	UCSF	9,274	95%	1%	1%	4%	96%	-1.5%	<1
Medical Center Affiliated	Providence Health & Services	9,217	92%	4%	3%	1%	96%	-1.4%	<1
Medical Center Affiliated	Cedars-Sinai Medical Center	8,400	69%	18%	10%	3%	87%	0.1%	1.3
Medical Center Affiliated	Scripps	7,835	100%	0%	0%	0%	100%	0.2%	<1
Medical Center Affiliated	Sharp HealthCare	7,813	96%	4%	0%	0%	100%	1.0%	<1
Medical Center Affiliated	Loma Linda University Health	7,656	62%	10%	17%	11%	72%	-14.2%	1.6
Medical Center Affiliated	Exer with Providence	7,494	96%	3%	1%	0%	99%	0.6%	1.1
Medical Center Affiliated	Community Medical Centers	4,872	99%	1%	0%	0%	100%	-0.1%	<1
Medical Center Affiliated	Zuckerberg San Francisco General Hospital	3,451	99%	0%	0%	0%	100%	-0.1%	<1
Medical Center Affiliated	Adventist Health	3,231	99%	0%	0%	0%	99%	-0.1%	<1
Medical Center Affiliated	Children's Hospital Los Angeles	3,222	92%	7%	2%	0%	98%	-1.0%	<1

Affiliated	Angeles								
Medical Center Affiliated	Veterans Affairs	3,039	89%	7%	3%	1%	97%	-2.6%	<1
Medical Center Affiliated	Optum	2,955	100%	0%	0%	0%	100%	0.0%	<1
Medical Center Affiliated	UCSD	2,936	63%	36%	1%	0%	99%	1.7%	1.2
Medical Center Affiliated	Ventura County Hospital	2,802	100%	0%	0%	0%	100%	0.1%	<1
Medical Center Affiliated	MLK Jr. Hospital	2,750	92%	4%	4%	1%	96%	-2.3%	<1
Medical Center Affiliated	Palomar Medical Center	2,232	100%	0%	0%	0%	100%	0.1%	<1
Medical Center Affiliated	Kaweah Delta	1,962	99%	1%	0%	0%	100%	-0.1%	<1
Medical Center Affiliated	Eisenhower Health	1,920	100%	0%	0%	0%	100%	-0.0%	<1
Medical Center Affiliated	Highland Hospital	1,884	99%	1%	0%	0%	100%	-0.1%	<1
Medical Center Affiliated	El Camino Health	1,860	87%	12%	1%	0%	99%	-0.2%	<1
Medical Center Affiliated	John Muir Health	1,846	97%	0%	1%	2%	97%	-2.8%	<1
Medical Center Affiliated	MemorialCare	1,790	99%	0%	1%	0%	99%	-0.7%	<1
Medical Center Affiliated	Contra Costa Medical Center	1,718	99%	0%	0%	0%	100%	-0.3%	<1
Medical Center Affiliated	Common Spirit Health	1,449	41%	36%	22%	1%	77%	-1.8%	1.9
Medical Center Affiliated	Hazel Hawkins Memorial Hospital	1,436	99%	0%	1%	0%	99%	-0.5%	<1
Medical Center Affiliated	University of California, Riverside	1,396	100%	0%	0%	0%	100%	0.0%	<1
Medical Center Affiliated	St. Agnes Medical	1,328	100%	0%	0%	0%	100%	0.0%	<1
Medical Center Affiliated	Huntington Hospital	1,261	98%	1%	1%	0%	99%	-0.9%	<1
Medical	Arrowhead Regional								

Center Affiliated	Regional Medical Center	1,164	94%	6%	0%	0%	100%	2.9%	<1
Medical Center Affiliated	Cottage Health	1,126	99%	1%	0%	0%	100%	0.1%	<1
Medical Center Affiliated	City of Hope	1,107	99%	0%	1%	0%	99%	-0.8%	<1
Medical Center Affiliated	LAC + USC Medical Center	1,062	97%	1%	1%	1%	98%	-1.0%	<1
PHL	Total	400,144	4%	19%	70%	6%	23%	-49.4%	3.2
PHL	Valencia Branch Lab (VBL)	365,333	1%	18%	74%	7%	19%	-53.3%	3.3
PHL	San Diego PHL	11,710	8%	25%	61%	6%	33%	-20.2%	3
PHL	Sonoma PHL	3,210	42%	41%	17%	0%	83%	-4.8%	1.8
PHL	San Francisco PHL	2,904	33%	41%	25%	0%	74%	-25.2%	2
PHL	LA PHL	2,754	24%	46%	28%	3%	69%	8.8%	2.2
PHL	Orange PHL	2,547	64%	30%	6%	0%	94%	12.8%	1.3
PHL	Sacramento PHL	2,360	91%	5%	4%	0%	96%	-1.8%	<1
PHL	Contra Costa PHL	2,241	90%	10%	0%	0%	100%	0.2%	1.1
PHL	Santa Barbara PHL	1,116	60%	33%	5%	0%	94%	9.5%	1.3
PHL	Monterey PHL	1,084	46%	41%	12%	0%	87%	-10.0%	1.7
PHL	San Mateo PHL	1,070	98%	1%	0%	0%	100%	0.4%	1
Uncategorized	Uncategorized	5,930	94%	2%	2%	1%	96%	1.9%	<1

Legend	Period of time with highest share of results	Increase in % results within 2 days from prior period	Defined as -1 to 1% change in results within 2 days from prior period	Decrease in % results within 2 days from prior period
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1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable
2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change
3. Uncategorized entities are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab
4. Numbers may not add up due to rounding.
5. Records with result date more than 60 days after specimen collection date are assumed to represent data quality outliers, and are not representative of current lab capacity. Therefore, records with result date more than 60 days after specimen collection date are excluded from average turnaround time and percentage of results with turnaround time greater than or equal to five days. These exclusions may affect the row totals for a given lab where the % of results do not add to 100%.

Note: The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production.

Source: CalREDIE ELR messages received in CalREDIE production; "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR message"

Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

Assumptions

- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined as the time between collection of specimen and reporting of results.
 - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delay between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and results.
- **Sample calculation**
 - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
 - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
 - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) =< 1 day

Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the results in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production