

Turnaround Time Dashboard

Reporting period: 11/08/2020 - 11/14/2020

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.

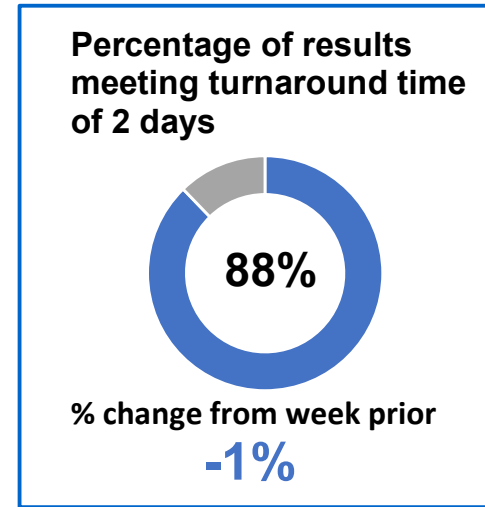
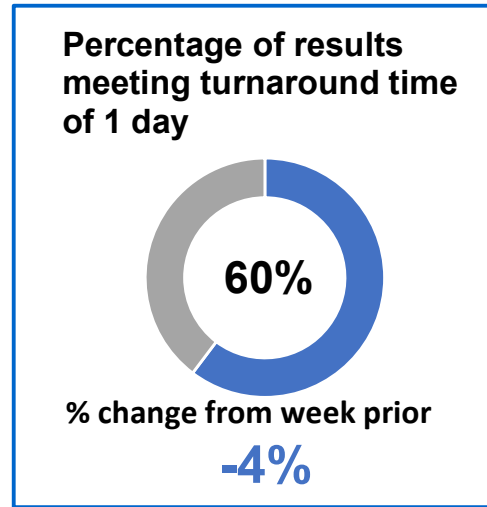


Turnaround Time, days¹

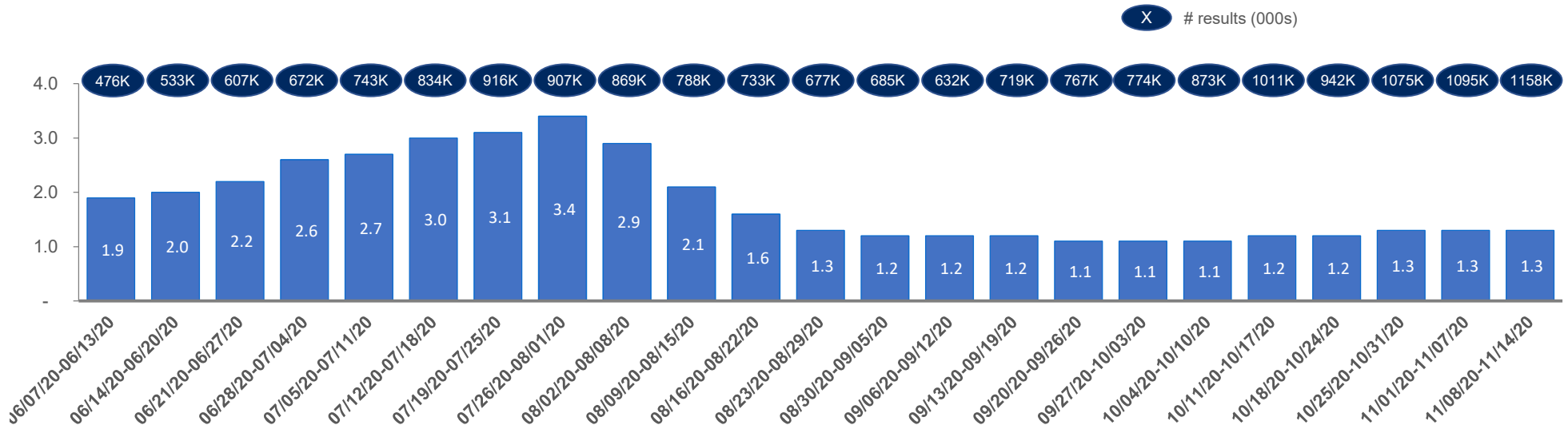
Information contained in this file is preliminary and pre-decisional

Reporting period: 11/08/20-11/14/20²

Average turnaround time for week 11/08/20-11/14/20



Average turnaround time by week, days¹



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

Detailed lab data on next page

Time from specimen collection to lab result (days)		Week of 11/08/20-11/14/20 [†]								
▲ Increase in % results within 2 days from prior period ▼ Decrease 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		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	Total	1,157,997	60%	27%	10%	2%	88%	0%	1.3	
Commercial Labs	Curative	144,805	71%	29%	0%	0%	100%	0%	1.1	
	Fulgent Genetics	111,132	43%	53%	3%	0%	97%	▲ 4%	1.6	
	Quest	96,629	23%	52%	24%	1%	75%	▲ 3%	2.1	
	Labcorp	91,235	36%	53%	10%	1%	89%	▼ -1%	1.8	
	Avellino	39,724	100%	0%	0%	0%	100%	0%	<1	
	Helix OpCo	33,435	58%	30%	12%	0%	88%	▼ -4%	1.0	
	Color Genomics	32,249	95%	5%	0%	0%	100%	0%	<1	
	SummerBio	24,765	100%	0%	0%	0%	100%	0%	<1	
	Priva Path (dba LGC Labs)	20,969	93%	5%	2%	0%	98%	▲ 30%	1.1	
	BioReference Laboratories	20,691	21%	15%	60%	5%	36%	▼ -7%	2.7	
	WestPac Labs	19,239	80%	15%	4%	0%	95%	▼ -1%	<1	
	Exceltox	12,048	100%	0%	0%	0%	100%	0%	<1	
	StemExpress	9,639	49%	47%	3%	0%	96%	▼ -3%	1.5	
	PrimeX Clinical Laboratories	8,764	100%	0%	0%	0%	100%	0%	<1	
	MiraDx	8,723	65%	28%	7%	1%	93%	▼ -1%	1.3	
	Verity Labs	8,498	98%	2%	0%	0%	100%	▲ 100%	<1	
	Bioopt	8,131	100%	0%	0%	0%	100%	0%	<1	
	HealthQuest Esoteric	6,924	53%	23%	19%	4%	77%	▲ 20%	1.5	
	STS Lab 2	6,364	64%	23%	10%	2%	88%	▼ -1%	1.0	
	Genetowrx	4,716	58%	26%	15%	2%	83%	▲ 1%	1.2	
	Vitae Diagnostics	4,071	100%	0%	0%	0%	100%	0%	<1	
	iGeneX	4,046	83%	14%	3%	1%	97%	0%	1.1	
	AIT Labs	3,801	2%	26%	62%	11%	28%	▼ -11%	3.3	
	CMB Labs	3,768	100%	0%	0%	0%	100%	0%	<1	
	Genesis Laboratory Management	3,670	76%	18%	5%	1%	94%	▼ -1%	1.3	
	Valley Clinical Laboratory	3,488	56%	25%	19%	0%	81%	▼ -19%	1.4	
	Genesis Reference Laboratories	3,321	64%	24%	11%	1%	88%	▲ 4%	1.5	
	Ambray Genetics	2,736	100%	0%	0%	0%	100%	0%	<1	
	Foundation labs	2,733	86%	8%	4%	1%	95%	▼ -1%	1.3	
	Clinical Reference Laboratory	2,718	6%	46%	42%	6%	62%	▲ 3%	2.7	
	UDL	2,599	88%	11%	1%	0%	99%	0%	1.1	
	Pacific Diagnostic Laboratories	2,182	97%	3%	0%	0%	100%	0%	<1	
	Sun Clinical Laboratories	2,098	100%	0%	0%	0%	100%	0%	<1	
	ARUP	1,769	2%	6%	85%	7%	8%	▲ 2%	3.4	
	Sunrise Diagnostic Laboratory	1,606	80%	19%	1%	0%	99%	0%	1.0	
	Universal Diagnostic Laboratories	1,604	63%	12%	22%	3%	75%	▼ -8%	1.7	
	MD Labs	1,604	100%	0%	0%	0%	100%	0%	<1	
	Healthy Care Clinical Laboratories	1,606	100%	0%	0%	0%	100%	0%	<1	
	Phamatech Laboratories & Diagnostics	1,268	100%	0%	0%	0%	100%	0%	<1	
	Mako Medical	1,196	100%	0%	0%	0%	100%	0%	<1	
	Pangea Labs	1,142	98%	3%	1%	0%	99%	▼ -1%	<1	
	Other Commercial (n=52)	9,946	86%	10%	3%	0%	96%	▼ -2%	<1	
	Total Commercial	789,699	60%	31%	8%	1%	91%	▲ 2%	1.3	
	Medical Center Affiliated Labs	Kaiser NorCal	60,887	19%	47%	32%	2%	66%	0%	2.2
		Kaiser SoCal	56,635	88%	14%	0%	0%	100%	0%	1.0
		Sutter Health	18,047	96%	4%	0%	0%	100%	0%	<1
		Dignity Health	13,095	90%	7%	2%	0%	97%	▼ -2%	<1
UC Irvine		12,312	52%	36%	12%	1%	88%	▼ -2%	1.5	
Stanford Hospital and Clinics		11,172	73%	23%	3%	0%	96%	▼ -3%	1.0	
Santa Clara Valley Medical Center		8,461	63%	34%	3%	0%	97%	▼ -3%	1.3	
Providence Health & Services		8,164	94%	3%	2%	0%	97%	▲ 2%	<1	
Calm Lab		7,579	99%	1%	0%	0%	100%	0%	<1	
UCSF		7,077	64%	9%	13%	14%	73%	▼ -5%	1.7	
Sharp HealthCare		6,845	65%	15%	10%	9%	81%	▲ 1%	1.8	
UCLA		6,267	96%	3%	1%	0%	99%	0%	<1	
Innovative Genomics Institute		5,798	100%	0%	0%	0%	100%	0%	<1	
HCA		5,034	98%	2%	0%	0%	100%	0%	<1	
Scripps		4,362	100%	0%	0%	0%	100%	0%	<1	
Adventist Health		3,678	86%	6%	7%	1%	92%	▲ 3%	<1	
Cedars-Sinai Medical Center		3,481	91%	7%	1%	1%	98%	▲ 2%	<1	
Loma Linda University Health		2,976	96%	1%	2%	1%	97%	0%	<1	
University of Southern California - Los Angeles		2,841	98%	2%	0%	0%	100%	▲ 1%	<1	
UC Davis		2,393	97%	3%	0%	0%	100%	0%	<1	
Community Medical Centers		2,216	100%	0%	0%	0%	100%	0%	<1	
Contra Costa Medical Center		2,071	91%	9%	0%	0%	100%	0%	<1	
Zuckerberg San Francisco General Hospital		2,015	97%	2%	1%	0%	99%	▲ 2%	<1	
Cal Poly		1,890	86%	9%	6%	0%	94%	▼ -6%	<1	
Ventura County Hospital		1,798	100%	0%	0%	0%	100%	0%	<1	
Children's Hospital Los Angeles		1,719	98%	2%	0%	0%	100%	0%	<1	
Mayo Clinic		1,179	29%	5%	61%	5%	34%	▼ -16%	2.6	
MemorialCare		1,091	100%	0%	0%	0%	100%	0%	<1	
Huntington Hospital		1,074	100%	0%	0%	0%	100%	0%	<1	
Kaweah Delta		1,058	100%	0%	0%	0%	100%	0%	<1	
Other Medical Center Affiliated (n=94)		17,693	93%	4%	1%	1%	98%	▲ 1%	<1	
Total Medical Center Affiliated		280,798	71%	19%	9%	1%	90%	▲ 1%	1.1	
Public Health Labs		Valencia Regional Lab (VRL)	62,665	7%	28%	42%	23%	38%	▼ -33%	3.5
	Contra Costa PHL	7,539	91%	7%	2%	0%	98%	▼ -2%	<1	
	San Diego PHL	6,850	46%	40%	14%	0%	86%	▼ -12%	1.7	
	Sonoma PHL	3,780	65%	32%	3%	0%	97%	▲ 3%	1.4	
	San Francisco PHL	2,517	31%	32%	35%	2%	63%	▼ -29%	2.1	
	Monterey PHL	1,909	63%	36%	0%	0%	100%	0%	1.3	
	Napa-Solano-Yolo PHL	1,883	79%	20%	1%	0%	99%	0%	1.2	
	Alameda PHL	1,696	22%	49%	27%	1%	71%	▼ -24%	2.2	
	Orange PHL	1,317	64%	30%	6%	0%	94%	▼ -5%	1.4	
	Santa Barbara PHL	1,264	75%	15%	9%	1%	90%	▼ -7%	1.2	
	Santa Clara PHL	1,202	65%	32%	3%	0%	97%	▲ 4%	1.4	
	Other PHL (n=13)	7,016	63%	18%	18%	1%	81%	▼ -8%	1.6	
	Total PHL	98,969	28%	27%	30%	15%	65%	▼ -31%	2.7	
	Uncategorized [†]	Total Uncategorized	8,635	90%	7%	2%	0%	97%	▼ -1%	<1

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

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined 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.
- **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 result 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