

Turnaround Time Dashboard

Reporting period: 10/04/2020 - 10/10/2020

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.

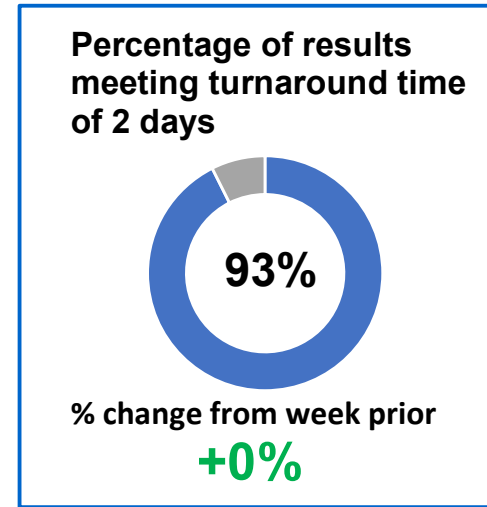
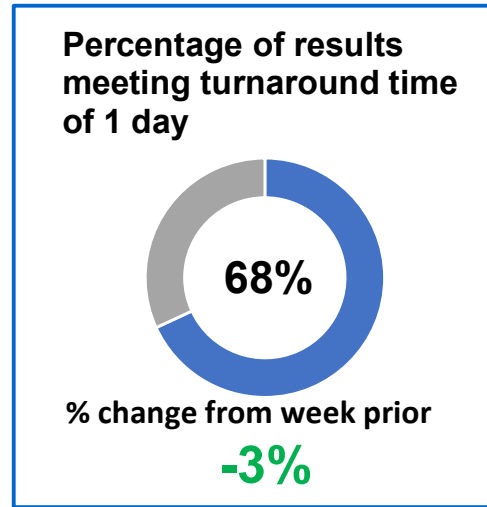


Turnaround Time, days¹

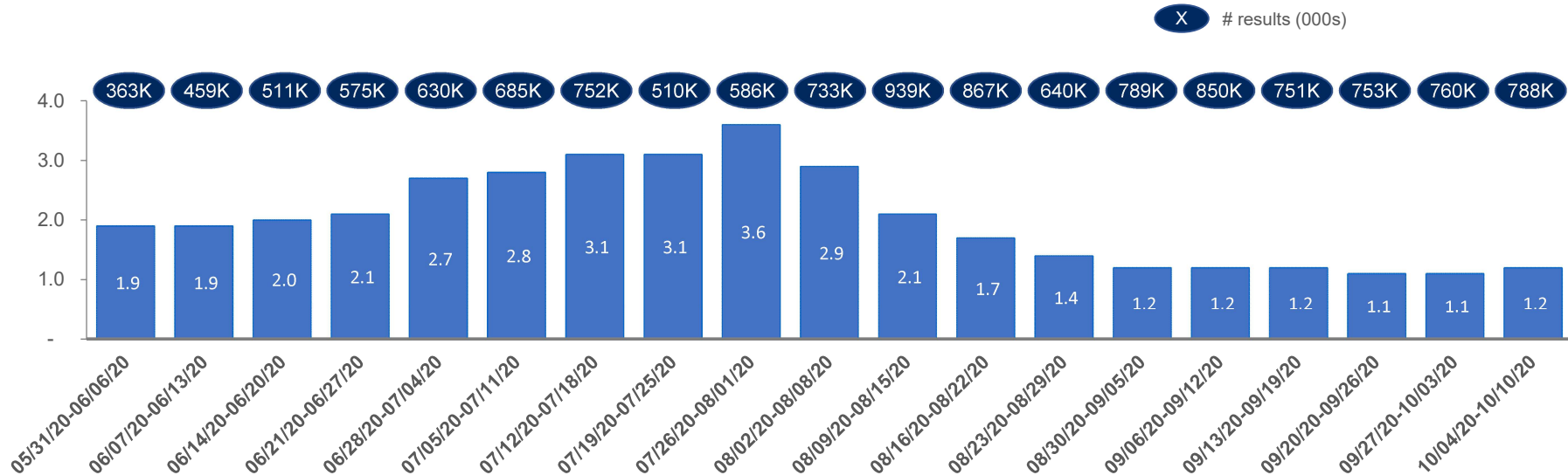
Information contained in this file is preliminary and pre-decisional

Reporting period: 10/04/20-10/10/20²

Average turnaround time for week 10/04/20-10/10/20



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 **10/04/20-10/10/20²**

Information contained in this file is preliminary and pre-decisional

		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 of prior period ¹	Specimen collection to result average TAT (days)	
Total		787,956	68%	24%	7%	1%	93%	1%	1.2	
Commercial Labs	Quest	92,984	18%	58%	22%	2%	76%	-2%	2.2	
	KorvaLabs/Curative	87,774	83%	16%	1%	0%	99%	0%	1.1	
	Fulgent Genetics	77,730	73%	24%	2%	1%	97%	-1%	1.3	
	Labcorp	66,942	24%	61%	15%	1%	85%	2%	2.0	
	Priva Path (dba LGC Labs)	36,127	93%	7%	1%	0%	99%	0%	<1	
	Avellino	34,100	100%	0%	0%	0%	100%	0%	<1	
	Color Genomics	29,612	92%	7%	1%	0%	99%	0%	1.0	
	MiraDx	29,078	90%	7%	3%	0%	97%	-1%	<1	
	WestPac Labs	19,733	62%	31%	6%	1%	93%	1%	1.5	
	BioReference Laboratories	12,204	30%	33%	34%	2%	64%	-12%	2.1	
	Helix OpCo	11,945	97%	3%	0%	0%	100%	0%	<1	
	SummerBio	8,933	100%	0%	0%	0%	100%	0%	<1	
	Primex Clinical Laboratories	8,118	100%	0%	0%	0%	100%	0%	<1	
	Exceltox	4,715	100%	0%	0%	0%	100%	0%	<1	
	STS Lab 2	3,922	40%	39%	18%	3%	79%	7%	1.6	
	StemExpress	3,289	89%	10%	1%	0%	99%	0%	1.0	
	Valley Clinical Laboratory	3,122	98%	2%	0%	0%	100%	0%	<1	
	AIT Labs	3,103	18%	57%	21%	3%	75%	2%	2.2	
	Genesis Laboratory Management	2,870	75%	15%	9%	1%	90%	1%	1.4	
	iGeneX	2,619	81%	13%	4%	2%	95%	-2%	1.2	
	MD Labs	2,153	100%	0%	0%	0%	100%	0%	<1	
	US Lab Inc.	1,676	100%	0%	0%	0%	100%	0%	<1	
	Biocept	1,652	100%	0%	0%	0%	100%	0%	<1	
	ARUP	1,580	3%	3%	65%	28%	7%	0%	3.8	
	CMB Labs	1,409	100%	0%	0%	0%	100%	-1%	<1	
	Genesis Reference Laboratories	1,269	65%	19%	15%	1%	84%	0%	1.6	
	Sunrise Diagnostic Laboratory	1,148	95%	5%	0%	0%	100%	-4%	<1	
	Foundation labs	1,076	80%	13%	7%	0%	93%	0%	1.3	
	Other Commercial (n=32)	5,437	78%	16%	3%	2%	95%	3%	<1	
	Total Commercial	656,119	65%	27%	8%	1%	92%	-3%	1.3	
	Medical Center Affiliated Labs	Kaiser NorCal	42,772	45%	46%	7%	1%	92%	1%	1.7
		Kaiser SoCal	24,078	81%	19%	0%	0%	100%	0%	1.1
Sutter Health		12,967	97%	3%	0%	0%	100%	1%	<1	
Stanford Hospital and Clinics		10,772	95%	5%	0%	0%	100%	0%	<1	
UC Irvine		10,001	44%	33%	23%	1%	76%	0%	1.7	
Dignity Health		9,791	90%	8%	2%	0%	98%	-12%	<1	
UCSF		9,245	55%	29%	16%	1%	83%	0%	1.5	
Providence Health & Services		7,382	94%	3%	2%	0%	98%	0%	<1	
Santa Clara Valley Medical Center		7,077	98%	2%	0%	0%	100%	4%	<1	
Sharp HealthCare		6,410	57%	27%	6%	10%	84%	0%	1.9	
HCA		5,989	96%	3%	0%	0%	100%	1%	<1	
UCLA		5,616	99%	0%	0%	0%	100%	0%	<1	
Scripps		4,293	100%	0%	0%	0%	100%	0%	<1	
Cedars-Sinai Medical Center		3,439	88%	10%	2%	0%	98%	0%	<1	
Adventist Health		2,877	81%	5%	9%	4%	86%	5%	<1	
UC Davis		2,410	100%	0%	0%	0%	100%	1%	<1	
University of Southern California - Los Angeles		2,312	94%	3%	2%	0%	98%	0%	<1	
Calm Lab		2,268	98%	2%	0%	0%	100%	-1%	<1	
Zuckerberg San Francisco General Hospital		2,254	100%	0%	0%	0%	100%	0%	<1	
Ventura County Hospital		1,973	100%	0%	0%	0%	100%	0%	<1	
Sun Clinical Laboratories		1,933	100%	0%	0%	0%	100%	0%	<1	
Community Medical Centers		1,775	100%	0%	0%	0%	100%	0%	<1	
Contra Costa Medical Center		1,713	88%	10%	1%	0%	99%	2%	1.0	
Loma Linda University Health		1,641	95%	1%	3%	1%	96%	4%	<1	
Mayo Clinic		1,550	40%	47%	13%	1%	86%	13%	1.5	
Huntington Hospital		1,377	96%	4%	0%	0%	100%	0%	<1	
MLK Jr. Hospital		1,550	91%	2%	7%	0%	93%	-1%	<1	
Children's Hospital Los Angeles		1,247	95%	5%	0%	0%	100%	1%	<1	
Cal Poly		1,015	95%	0%	5%	0%	95%	0%	<1	
Other Medical Center Affiliated (n=87)		15,431	96%	2%	2%	1%	98%	-1%	<1	
Total Medical Center Affiliated		202,743	77%	18%	4%	1%	95%	0%	1.0	
Public Health Labs		San Diego PHL	5,757	75%	23%	2%	0%	98%	-1%	1.3
	Contra Costa PHL	3,718	90%	10%	0%	0%	100%	0%	1.0	
	Santa Clara PHL	2,419	56%	41%	3%	0%	97%	27%	1.5	
	Monterey PHL	1,677	74%	25%	1%	0%	99%	-1%	<1	
	Napa-Solano-Yolo PHL	1,593	89%	11%	0%	0%	100%	3%	<1	
	San Francisco PHL	1,428	19%	56%	25%	0%	75%	-20%	2.1	
	Orange PHL	1,423	71%	26%	3%	0%	97%	2%	1.3	
	Tulare PHL	1,214	67%	18%	15%	0%	85%	-7%	1.4	
	Other PHL (n=15)	5,337	74%	17%	8%	1%	91%	10%	1.3	
	Total PHL	24,566	72%	23%	5%	0%	95%	3%	1.2	
	Uncategorized³	4,455	87%	8%	4%	0%	95%	9%	<1	

1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable
 2. Results assigned to week based on specimen receipt date. Results may be delayed entering CaPREDE 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
 Note: The metrics disclosed may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CaPREDE production
 Source: CaPREDE ELR messages received in CaPREDE 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

- 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