

Turnaround Time Dashboard

Reporting period: 12/27/2020 - 01/02/2021

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.

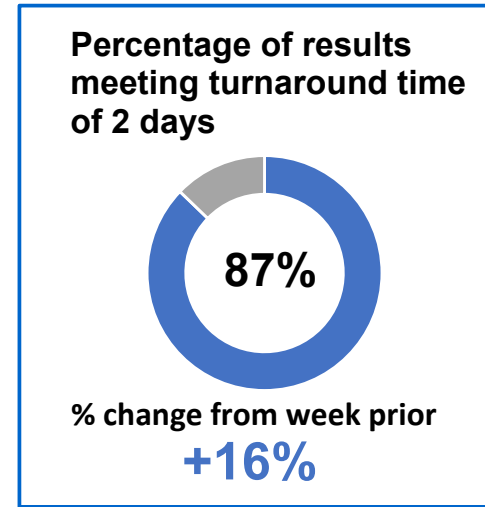
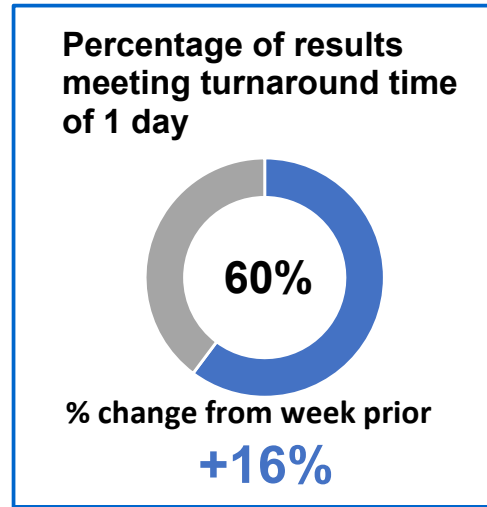
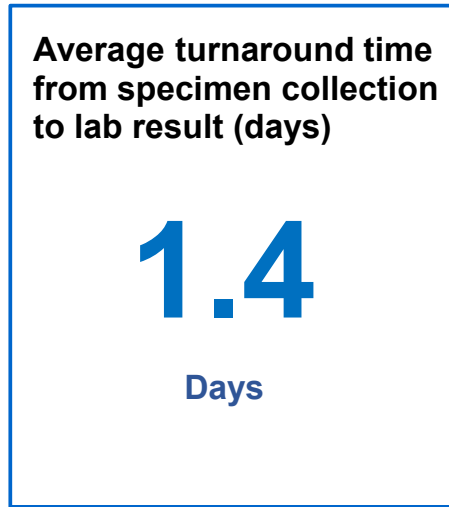


Turnaround Time, days¹

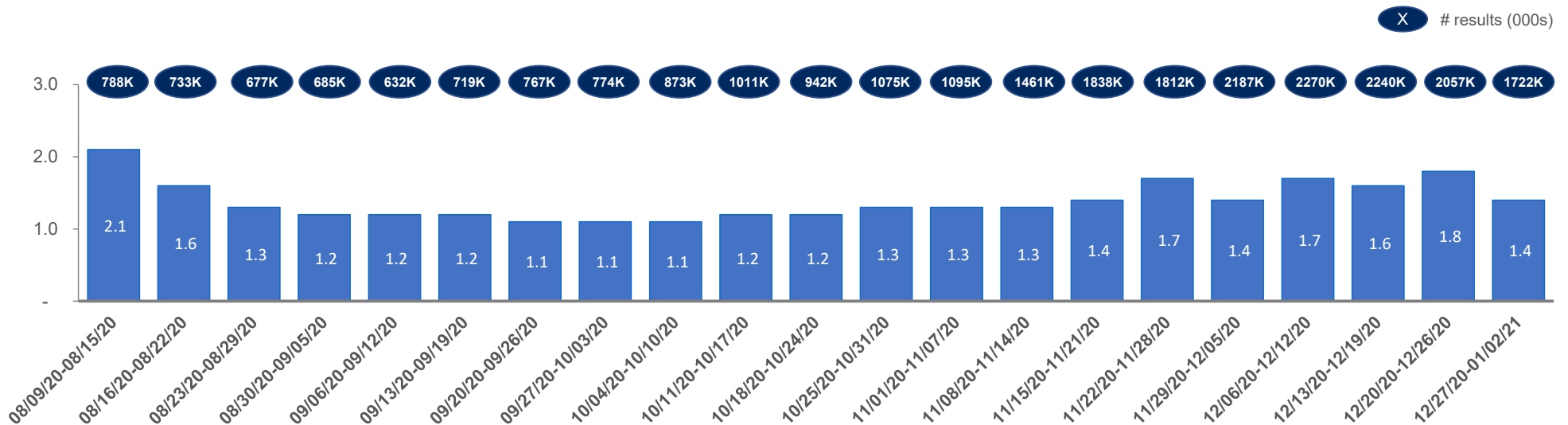
Information contained in this file is preliminary and pre-decisional

Reporting period: 12/27/20-01/02/21²

Average turnaround time for week 12/27/20-01/02/21



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 12/27/20-01/02/21²

Information

- ▲ Period of time with majority 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

	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 ³	Specimen collection to result average TAT (days) ⁴
Total	1,722,026	60%	27%	11%	2%	87%	▲ 16%	1.4
Commercial Labs	1,722,026	60%	27%	11%	2%	87%	▲ 16%	1.4
Fulgent Genetics	254,067	75%	21%	3%	1%	96%	▲ 4%	1.3
Curative	225,929	35%	48%	16%	1%	83%	▲ 69%	1.9
Quest	126,198	16%	42%	37%	4%	59%	▲ 14%	2.5
Labcorp	114,602	56%	36%	7%	1%	93%	▲ 2%	1.6
Helix OpCo	69,396	93%	5%	1%	1%	98%	▲ -1%	1.0
Avellino	37,937	100%	0%	0%	0%	100%	▲ 0%	<1
Color Genomics	36,098	96%	3%	1%	0%	99%	▲ 1%	<1
BioReference Laboratories	34,234	23%	24%	44%	10%	47%	▲ 10%	2.6
WestPac Labs	24,151	80%	15%	4%	2%	94%	▲ 14%	1.2
Exceltix	18,579	100%	0%	0%	0%	100%	▲ 0%	<1
Priva Path (dba LGC Labs)	14,356	34%	44%	15%	7%	78%	▲ 44%	2.1
Primex Clinical Laboratories	13,999	99%	1%	0%	0%	100%	▲ 1%	<1
SummerBio	13,797	99%	1%	0%	0%	100%	▲ 0%	<1
Alcaia Testing and Analysis	11,671	57%	21%	18%	4%	78%	▼ -17%	1.5
MiraDx	11,632	18%	48%	29%	5%	66%	▲ 18%	2.3
StemExpress	11,480	57%	42%	1%	0%	99%	▲ 4%	1.4
Genetworx	10,458	39%	20%	34%	8%	59%	▼ -5%	2.0
STS Lab 2	10,003	71%	22%	7%	0%	93%	▲ 7%	<1
TruGraf	8,957	11%	9%	61%	19%	20%	▲ 1%	3.6
iGeneX	7,972	67%	18%	9%	6%	85%	▼ -6%	1.6
AIT Labs	6,401	2%	18%	59%	21%	19%	▲ 17%	3.7
Verily Labs	5,604	68%	19%	4%	9%	87%	▼ -8%	1.5
Clinical Reference Laboratory	5,299	11%	32%	44%	13%	43%	▲ 7%	2.9
Genesis Laboratory Management	5,165	37%	36%	22%	4%	74%	▼ -13%	2.1
Biocept	4,873	100%	0%	0%	0%	100%	▲ 0%	<1
UDL	4,832	97%	2%	1%	0%	99%	▲ 2%	<1
Genesis Reference Laboratories	4,744	26%	40%	26%	8%	66%	▼ -8%	2.4
HealthQuest Esoterics	4,546	85%	8%	6%	1%	94%	▲ 11%	1.1
Foundation labs	4,005	82%	15%	1%	1%	97%	▲ 31%	1.2
ARUP	3,920	5%	24%	64%	7%	29%	▼ -8%	3.0
Healthy Care Clinical Laboratories	2,991	100%	0%	0%	0%	100%	▲ 0%	<1
Ambyr Genetics	2,967	97%	1%	1%	1%	98%	▲ 34%	<1
Sun Clinical Laboratories	2,960	99%	1%	0%	0%	99%	▲ 0%	<1
Pacific Diagnostic Laboratories	2,956	84%	16%	0%	0%	100%	▲ 2%	1.0
Pangea Labs	2,801	92%	7%	1%	0%	99%	▲ 3%	<1
Bach Diagnostics	2,687	80%	6%	10%	4%	86%	▲ 18%	1.5
Genome and Biomedical Sciences Facility	2,510	100%	0%	0%	0%	100%	▲ 0%	<1
Eurofins	2,318	47%	23%	20%	10%	70%	▲ 4%	1.9
COVID Clinic	2,261	92%	5%	2%	0%	97%	▲ 5%	<1
DiaCarta	2,121	73%	17%	7%	3%	90%	▲ 7%	1.5
US BioTek Laboratories	2,014	25%	47%	27%	1%	72%	▲ 3%	2.1
Crestview Clinical Laboratory	1,996	13%	4%	12%	71%	17%	▼ -52%	5.1
Phamatech Laboratories & Diagnostics	1,893	100%	0%	0%	0%	100%	▲ 0%	<1
Solaris	1,800	100%	0%	0%	0%	100%	▲ 0%	<1
Sunrise Diagnostic Laboratory	1,653	51%	44%	5%	0%	95%	▲ 4%	1.5
Brio Clinical	1,462	100%	0%	0%	0%	100%	▲ 0%	<1
Universal Diagnostic Laboratories	1,312	80%	6%	6%	8%	86%	▼ -2%	1.5
Path MD	1,258	69%	27%	4%	0%	96%	▼ -4%	1.2
Dxterity Laboratory	1,246	96%	4%	0%	0%	100%	▲ 0%	<1
Aegis Sciences	1,170	9%	55%	28%	8%	64%	▲ 33%	2.6
Other Commercial (n=81)	11,398	87%	8%	2%	2%	95%	▲ 0%	<1
Medical Center Affiliated Labs	1,159,359	58%	27%	13%	2%	85%	▲ 21%	1.5
Kaiser SoCal	145,886	69%	23%	7%	1%	92%	▲ 9%	1.4
Kaiser NorCal	68,111	42%	39%	17%	2%	81%	▲ 14%	1.8
Sutter Health	17,925	96%	3%	0%	0%	100%	▲ 0%	<1
Dignity Health	16,864	91%	7%	1%	1%	98%	▲ -1%	<1
Stanford Hospital and Clinics	16,851	37%	24%	36%	3%	61%	▲ 25%	2.1
Calm Lab	10,813	77%	23%	0%	0%	100%	▲ 0%	1.1
Santa Clara Valley Medical Center	10,307	94%	5%	0%	1%	99%	▲ -1%	<1
UC Irvine	9,324	44%	24%	29%	3%	68%	▲ 13%	1.9
Providence Health & Services	9,289	98%	1%	0%	1%	99%	▲ 2%	<1
Sharp HealthCare	8,287	93%	7%	0%	0%	100%	▲ 1%	<1
UCLA	7,338	99%	1%	0%	0%	100%	▲ 1%	<1
HCA	5,281	97%	3%	0%	0%	100%	▲ 0%	<1
UCSF	4,628	82%	10%	7%	1%	92%	▲ 4%	<1
Scripps	4,383	100%	0%	0%	0%	100%	▲ 0%	<1
Cedars-Sinai Medical Center	4,132	94%	6%	1%	0%	99%	▲ 1%	<1
University of Southern California - Los Angeles	3,833	99%	1%	0%	0%	100%	▲ 1%	<1
Adventist Health	3,450	79%	9%	7%	4%	88%	▲ 1%	<1
Mayo Clinic	3,227	36%	53%	10%	1%	89%	▲ 8%	1.6
Loma Linda University Health	2,767	81%	5%	11%	3%	86%	▲ 1%	<1
Zuckerberg San Francisco General Hospital	2,629	99%	0%	1%	0%	99%	▼ -1%	<1
PathMD	2,392	82%	16%	2%	0%	98%	▲ 3%	1.1
Children's Hospital Los Angeles	2,382	96%	4%	0%	0%	100%	▲ 1%	<1
Community Medical Centers	2,330	99%	1%	0%	0%	100%	▲ 1%	<1
UC Davis	1,955	99%	1%	0%	0%	100%	▲ 0%	<1
Ventura County Hospital	1,928	100%	0%	0%	0%	100%	▲ 0%	<1
Kaweah Delta	1,555	100%	0%	0%	0%	100%	▲ 0%	<1
MemorialCare	1,425	100%	0%	0%	0%	100%	▲ 0%	<1
Arrowhead Regional Medical Center	1,236	66%	21%	13%	0%	87%	▲ 5%	1.1
Contra Costa Medical Center	1,179	94%	6%	0%	0%	100%	▲ 0%	<1
Huntington Hospital	1,150	99%	0%	0%	0%	100%	▲ 3%	<1
City of Hope	1,010	100%	0%	0%	0%	100%	▲ 0%	<1
MLK Jr. Hospital	1,007	79%	17%	4%	0%	95%	▲ 2%	<1
Other Medical Center Affiliated (n=109)	25,101	94%	3%	1%	1%	98%	▲ 0%	<1
Public Health Labs	399,575	71%	19%	8%	1%	91%	▲ 7%	1.2
Valencia Branch Lab (VBL)	108,479	42%	52%	6%	0%	94%	▲ 1%	1.7
San Diego PHL	10,715	44%	55%	2%	0%	98%	▲ 0%	1.5
Contra Costa PHL	8,109	94%	6%	0%	0%	100%	▲ 2%	<1
Sonoma PHL	3,575	13%	56%	25%	5%	70%	▼ -5%	2.4
Orange PHL	2,098	89%	8%	2%	0%	97%	▼ -2%	<1
San Francisco PHL	2,097	49%	19%	17%	15%	68%	▲ 16%	2.3
Napa-Solano-Yolo PHL	1,838	59%	33%	8%	0%	92%	▼ -5%	1.5
Monterey PHL	1,800	38%	52%	10%	0%	90%	▲ 3%	1.7
Alameda PHL	1,425	38%	49%	13%	0%	87%	▼ -1%	1.8
Santa Barbara PHL	1,329	59%	19%	18%	4%	78%	▼ -17%	1.7
San Luis Obispo PHL	1,292	97%	3%	0%	0%	100%	▲ 4%	<1
Humboldt PHL	1,102	61%	31%	7%	1%	92%	▲ 3%	1.5
Other PHL (n=13)	7,102	60%	23%	14%	3%	83%	▼ -3%	1.6
Total PHL	150,961	46%	46%	7%	1%	83%	▲ 2%	1.6
Uncategorized⁵	12,131	86%	9%	4%	1%	95%	▲ 8%	<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 result date. Results may be delayed entering CuREDE production, therefore the metrics reactively change
 3. Uncategorized entries 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. The metrics identified may differ from other data-reported data. The leading volumes in this report include only ELR messages received in CuREDE production
 Source: CuREDE ELR messages received in CuREDE production. "Specimens 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
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production