



COLLEGE of AMERICAN
PATHOLOGISTS

CAP Laboratory COVID-19 Impact Study May 2020

Survey Objective and Methodology

Objectives

- To determine how the COVID-19 pandemic is impacting CAP accredited laboratories in the United States so CAP can better inform leaders, elected officials, and government regulators of the challenges laboratories are facing.
- To identify what laboratories need as they strive to deliver quality testing for the patient populations they serve.

Methodology

- Target Audience: CAP Accredited Laboratories in the US
- Respondent Profile: Laboratory Directors in the US
- Study Format: Online study (3,784 invitations). Initial invitation sent on April 23, 2020 and study closed on April 30, 2020.

Questions/Responses Reported

Which of the following best describes your laboratory's COVID-19 testing status?

	Currently Performing On-Site	Plan to Perform On-Site Within the Next 2 Weeks	Plan to Perform On-Site Within the Next 4 Weeks	Do not Plan on Performing On-Site	n
High throughput testing (i.e., a platform that employs automated processing of more than 200 specimens a day)	30%	6%	13%	51%	434
Non-high throughput testing (which includes the CDC test, some rapid testing and some LDTs)	46%	6%	11%	36%	434

Testing	59%
Planning on Testing	9%
Not Testing	32%
n	434

**"Testing": Respondent indicated testing either high-throughput testing, non-high throughput testing, or both.

Using your best estimate...

- What was the average daily COVID-19 test volume for the past 7 days?
- What is your daily COVID-19 testing capacity (ie, the number of COVID-19 tests your laboratory is ABLE to test daily)?

	Median	Average	n
Average daily COVID-19 testing volume	50	211	195
Daily COVID-19 testing capacity	200	505	191

	%	n
Capacity exceeds testing volume	79%	141
Testing at capacity	10%	17
Testing volume exceeds testing capacity	11%	20

Capacity (excess)		
Current Average Daily Testing Volume	Median	n
50 or less	40	85
51 - 100	40	31
101 - 300	290	34
301 - 1000	425	20
>1000	596	8
Overall	78	178

How do you anticipate your COVID-19 testing volume to change within the next 14 days?

Current Average Daily Testing Volume	Median	n
50 or less	40%	97
51 - 100	30%	33
101 - 300	50%	35
301 - 1000	60%	20
>1000	30%	9
Overall	40%	216

**How difficult has it been for your laboratory to acquire each of the following specific items for COVID-19 testing?
(5 = Very difficult, 1=Not at all difficult)**

	5/4	3	2/1	n
Test kits for your instrument platform	69%	20%	11%	265
Flocked nasopharyngeal swabs to collect and transport patient samples	66%	21%	13%	271
Viral transport media/universal transport media (VTM/UTM)	62%	25%	13%	264
Personal protective equipment (PPE)	42%	26%	32%	296
SARS-COV-2 instruments	42%	14%	44%	244
Extraction platform	40%	20%	40%	173
Human extraction control material	30%	24%	46%	172
Assay positive control material	24%	20%	56%	233

Which of these have occurred in your laboratory for each of the following roles as a result of COVID-19? (select all that apply)

	Pathologists	Non-pathologist
Reduced work hours	72%	69%
Reductions in pay	41%	20%
Increased burnout	21%	31%
Increased work hours	20%	23%
Temporary furloughs	10%	34%
Reduced staff capacity (staff shortages, staff self-quarantining, etc.)	9%	36%
Increased personnel costs (overtime, temporary staff, etc.)	2%	24%
Permanent layoffs	0.3%	5%
Other	6%	5%
n	289	337

Using your best estimate, how has the volume of non-COVID-19 clinical pathology and anatomic pathology testing changed compared to the same period in 2019?

	Median	Average	n
Non-COVID-19 Clinical Pathology (% change)	-46%	-41%	297
Anatomic Pathology (% change)	-69%	-64%	279

Using your best estimate, how has COVID-19 impacted your laboratory's revenue?

	Median	Average	n
Revenue (% change)	-48%	-50%	338