



# Tracking US Coronavirus Testing Capacity

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## ■ Current National Capacity Projections (Tests/ Month)



**344M**

March 2021

**716M**

June 2021

**950M**

September 2021

**1,076M**

December 2021

*No changes this week.*

## What Happened Last Week

*The FDA issued six new EUAs and nine amendments to existing EUAs*

- New EUAs (3)
  - Molecular Tests (2): PathogenDX DetectX-Rv | Kaiser Permanente
  - Serology Tests (1): Inova Diagnostics QUANTA Flash
- New Amendments to Existing EUAs (11)
  - Molecular Tests (6): Quidel Lyra | Cepheid Xpert Omni | OPTI Medical Systems | BD MAX System | Euroimmun EURORealTime | Illumina COVIDSeq
  - Serology Tests (3): Megna Health | Access Bio CareStart | Sugentech SGTi-flex
  - AntigenTests (1): Abbott BinaxNOW
  - Flu/RSV Panels (1): NeuMoDx

## Special Section: Workplace Commons Employer Survey

- Arizona State University, with support of The Rockefeller Foundation, has release the results of the [Back to the Workplace: Are we there yet? Insights from Employers One Year into the Pandemic](#), from more than 1300 employers across 24 industry sectors in 31 countries.
- The [survey](#) examined employer sentiments on everything from testing to vaccination to employee support and mental health.

- Two unexpected and surprisingly high numbers were that 68% of employers are testing at least some portion of their workforce and a whopping 88% plan to require or at least encourage vaccination.
- Perhaps less surprising, work from home and the stress of living under a pandemic is taking its toll. Mental health is now a top priority of 77% of employers.

## Top 10 Insights



**Vaccination**  
**Strong Support by Employers**

- 88% of employers plan to require or encourage their employees to be vaccinated against COVID-19
- 59% of employers plan to incentivize their employees to be vaccinated against COVID-19
- 60% of employers will require employees to demonstrate proof of vaccination against COVID-19



**Employee Wellbeing**  
**Mental Health is now Central**

- 77% of employers indicated that employee mental health and wellbeing has become a top priority for their company
- 58% increase in employee mental health concerns during the pandemic compared to pre-pandemic according to employers



**Testing**  
**Significant Increase by Employers**

- 68% of employers are performing COVID-19 testing for at least some of their employees



**Work from Home**  
**Here to Stay**

- 63% of employers intend to allow their employees to work from home full-time through 2021
- 69% of employers describe their anticipated future work environment as either hybrid (41%) or all virtual (28%)
- 72% of employers intend to offer more flexible or expanded work from home policies for their employees post-pandemic
- But ... 68% of employers believe that employees should be in the office at least 20 hours per week

## Food for Thought

*What we're reading about the dilemmas of returning to the workplace and the role of testing.*

- Will workplace testing become the norm? Recently, the [Biden administration issued guidance](#) clarifying that federal agencies can mandate employee testing to enter workplaces as long as they provide clear information about the type and purpose of test, how the results will be managed, and any consequences for refusing to test.
- Can regular testing of workers slow the spread of COVID-19? With vaccine rollout rightly receiving most of the credit for our evolving ability to control the pandemic, [serial testing programs](#) will also likely prove to be a major contribution. A [new North Carolina program](#) is piloting regular, at-home self-administered tests. Experts advice that making tests available frequently and regularly will not only expedite a safe return to work, but [control disease](#) spread overall.
- Based on a theoretical model meant to quantify factors relevant to office workers, [new research from MIT](#) suggests that the six foot rule becomes inadequate after a critical time (depending on size and density). [The model demonstrated](#) that the risk of COVID exposure is the same at six feet as it is at sixty feet inside a room with mixed air.
- Not all workplaces are created equal: new research published in the journal [Thorax](#) has shown that [people who work in shifts are more likely to be hospitalized with COVID](#) than traditional 9-5 workers, with more irregular shift patterns associated with higher risk.

*The last two months weeks have seen tremendous positive shift in school reopening*

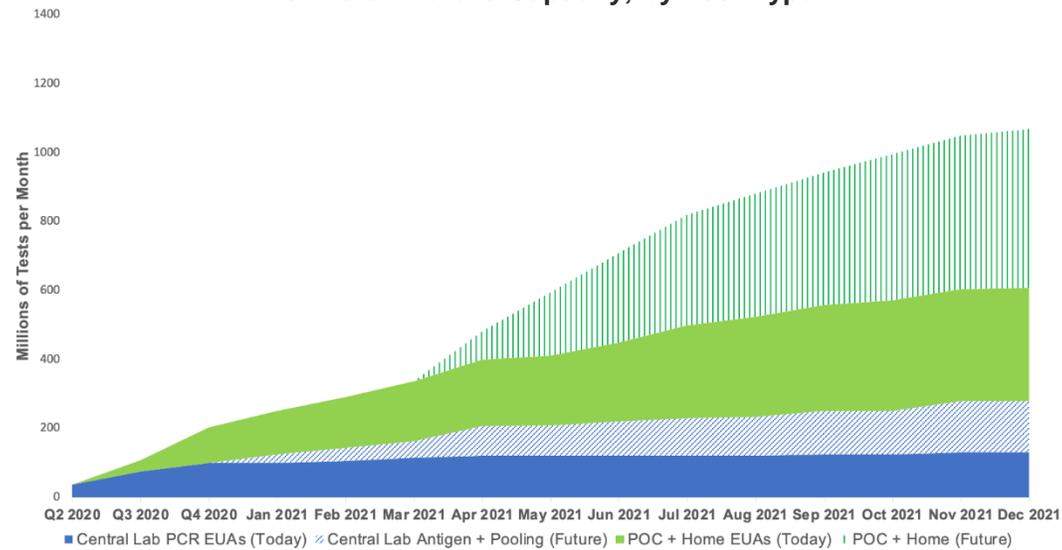
- According to [Burbio's latest data](#): Only 5.6% of K-12 kids are in virtual only schools.
  - % US K-12 students attending "virtual-only" schools= **5.6% (9.4% last week) vs. 27.5% in early March**
  - % US K-12 students attending "traditional" in-person/every day" schools= 65.3% (from 62.4%)
  - % US K-12 students attending "hybrid" schools= 29.1% (from 28.2%)

# Latest Monthly Capacity Estimates

## Estimated Monthly Capacity of All Tests (M)

Test Type	Sep '20	Dec '20	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21
Antigen Point of Care EUA Today	28	95	111	131	145	161	168	180	205	215	225	225	225	225
Home / Self Tests EUA Today	0	2	6	7	17	19	21	38	45	55	63	75	77	80
Molecular Point of Care EUA Today	4	5	8	10	12	12	12	13	20	20	20	21	22	22
<b>Subtotal POC &amp; Home EUA Today</b>	<b>32</b>	<b>103</b>	<b>125</b>	<b>147</b>	<b>174</b>	<b>192</b>	<b>202</b>	<b>231</b>	<b>270</b>	<b>290</b>	<b>308</b>	<b>321</b>	<b>324</b>	<b>327</b>
Antigen Point of Care Future	0	0	0	0	0	25	87	130	165	185	200	225	245	255
Home / Self Tests Future	0	0	0	0	0	50	86.4	118	144	160	170	186	186	192
Molecular Point of Care Future	0	0	0	0	0	8	10	10	12	12	14	14	14	14
<b>Subtotal POC &amp; Home Future</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>183</b>	<b>258</b>	<b>321</b>	<b>357</b>	<b>384</b>	<b>425</b>	<b>445</b>	<b>461</b>
<b>Total POC &amp; Home</b>	<b>32</b>	<b>103</b>	<b>125</b>	<b>147</b>	<b>174</b>	<b>275</b>	<b>385</b>	<b>489</b>	<b>592</b>	<b>647</b>	<b>692</b>	<b>746</b>	<b>769</b>	<b>788</b>
Antigen Central Lab Today	0	0	3	7	7	8	8	8	8	8	8	8	8	8
Antigen Central Lab Future	0	0	0	0	0	28	30	32	32	37	45	45	45	45
Lab Based PCR Today	75	100	100	105	115	120	120	120	120	120	125	125	130	130
Add'l Lab Based PCR with Pooling	0	0	25	38	48	59	59	67	77	77	80	80	105	105
<b>Total Central Lab</b>	<b>75</b>	<b>100</b>	<b>128</b>	<b>150</b>	<b>170</b>	<b>215</b>	<b>217</b>	<b>227</b>	<b>237</b>	<b>242</b>	<b>258</b>	<b>258</b>	<b>288</b>	<b>288</b>
<b>Grand Total</b>	<b>107</b>	<b>203</b>	<b>253</b>	<b>297</b>	<b>344</b>	<b>490</b>	<b>602</b>	<b>716</b>	<b>828</b>	<b>889</b>	<b>950</b>	<b>1004</b>	<b>1057</b>	<b>1076</b>

## Estimated Future Capacity, by Test Type



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