

1 **# CDC Secrets Costs**

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3 **U.S. testing:**

4 <https://covidtracking.com/data/national>

5 tests = 2 million per day

2M/day

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7 **Interested parties per test:**

8 parties = 3

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10 **Secrets stored per party:**

11 secrets per party = 3

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12 This assumes a username, password, and connection URL on average

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14 **Assuming no caching, no batching:**

15 secrets operations = tests × parties × secrets per party

18M/day

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19 **Azure Pricing:**

20 <https://azure.microsoft.com/en-us/pricing/details/key-vault/>

21 vault cost = \$0.03 per 10,000 ops

\$0.000003

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25 **TOTAL COST FOR VAULT:**

26 Worst case scenario per day

27 cost per day = secrets operations × vault cost

\$54.00/day

28 cost per month = cost per day × 30 days a month

\$1,620.00/month