

**Continuity of Operations Plan (COOP) Questionnaire**

**Many public health laboratories (PHL) have recently experienced situations with the potential to disrupt testing services including the COVID-19 pandemic, natural disasters, or laboratory interruption of service events. A continuity of operations plan (COOP) allows for the development of approaches and processes if and when such an event occurs. The Laboratory Capacity Team within CDC's Division of Tuberculosis Elimination Laboratory Branch would like to gain information on disruptions to PHL tuberculosis (TB) testing services over the past three years and the availability of COOPs with the inclusion of TB/mycobacteriology.**

**Please complete the survey below. Thank you!**

1. Select all events that your state/local public health laboratory (PHL) has been impacted by in the past 3 years (events specific to interruptions in TB testing will be listed later in the questionnaire).

- COVID-19 Pandemic (Go to Question 3)  
 Natural disaster (floods, hurricanes, earthquakes, tornadoes, etc.) (Go to Question 9)  
 Interruption of service event (facility/equipment malfunction or economic issues including sequestration) (Go to Question 15)  
 Other (Go to Question 2)

2. Please describe this event:  
Question 21)

(Go to

3. Did your PHL have a continuity of operations plan (COOP) in place before the COVID-19 Pandemic that

- Yes

No established policy and guidance to continue essential functions of the PHL?

4. Did the COOP specifically include TB/mycobacteria testing services in case of a pandemic?

- Yes  
 No

5. Did your PHL revise their COOP after the COVID-19 Pandemic?

- Yes  
 No

6. Does the COOP now specifically include TB/mycobacteria services in case of a pandemic?

- Yes  
 No  
 Previously available

7. Did your PHL develop a COOP after the COVID-19 Pandemic?

- Yes  
 No

8. Does the COOP now specifically include TB/mycobacteria services in case of a pandemic?

- Yes (Go to Question 27)  
 No (Go to Question 27)

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9. Did your PHL have a continuity of operations plan (COOP) in place before the natural disaster that

- Yes

No established policy and guidance to continue essential functions of the PHL?

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10. Did the COOP specifically include TB/mycobacteria testing services in case of a natural disaster?

- Yes  
 No

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11. Did your PHL revise their COOP after the natural disaster?

- Yes  
 No

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12. Does the COOP now specifically include TB/mycobacteria services in case of a natural disaster?

- Yes  
 No  
 Previously available

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13. Did your PHL develop a COOP after the natural disaster?

- Yes  
 No

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14. Does the COOP now specifically include TB/mycobacteria services in case of a natural disaster?

- Yes (Go to Question 27)  
 No (Go to Question 27)

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15. Did your PHL have a continuity of operations plan (COOP) in place before the interruption in service

- Yes

No that established policy and guidance to continue essential functions of the PHL?

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16. Did the COOP specifically include TB/mycobacteria testing services in case of an interruption in

- Yes

No service?

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17. Did your PHL revise their COOP after the interruption in service?

- Yes  
 No

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18. Does the COOP plan now specifically include TB/mycobacteria services in case of an interruption in service?

- Yes  
 No  
 Previously available

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19. Did your PHL develop a COOP after the interruption in service?

- Yes  
 No

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20. Does the COOP plan now specifically include TB/mycobacteria services in case of an interruption in service?

- Yes (Go to Question 27)  
 No (Go to Question 27)

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21. Did your PHL have a continuity of operations plan (COOP) in place before this other event that

- Yes

No established policy and guidance to continue essential functions of the PHL?

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22. Did the COOP specifically include TB/mycobacteria testing services in case of this other event?

- Yes  
 No

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23. Did your PHL revise their COOP after this other event?

- Yes  
 No

24. Does the COOP now specifically include TB/mycobacteria services in case of this other event?  Yes  
 No  
 Previously available

25. Did your PHL develop a COOP after this other event?   
 Yes  
 No

26. Does the COOP now specifically include TB/mycobacteria services in case of this other event?  Yes  
 No

27. Does your PHL COOP identify responsible persons to oversee essential functions of each laboratory  Yes

No section/department in case of an emergency event?

28. Please select the type of event(s) that interrupted in-house TB/mycobacteriology testing for greater than 48 hours in the last 3 years. Select all that apply.

COVID-19 Pandemic (Go to Question 30)  
 Flooding (Go to Question 32)  
 Tornados/Windstorms (Go to Question 34)  
 Hurricane (Go to Question 36)  
 Winter/Ice Storms (Go to Question 38)  
 Fires (Go to Question 40)  
 Earthquakes (Go to Question 42)  
 Facility issues (e.g., flooding due to frozen pipes or pipe breaks, shutdown) (Go to Question 44)  
 Equipment failure/maintenance (e.g. biological safety cabinet, MGIT, Xpert, negative pressure, BSL-3 cleaning/maintenance) (Go to Question 46)  
 Other (Go to Question 29)  
 No interruptions occurred (Go to Question 50)

29. Please describe this other event: \_\_\_\_\_ (Go to Question 48)

30. For how long were your TB testing services impacted hours by the COVID-19 Pandemic? week  Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year

31. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the COVID-19 Pandemic?  Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)

32. For how long were your TB testing services impacted hours by flooding? week  Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year

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33. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the flooding?

- Yes (Go to Question 50)
- No (Go to Question 50)
- There was no COOP in place for this event (Go to Question 50)

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34. For how long were your TB testing services impacted hours by tornados/windstorms?  
week
- Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year
- 
35. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the tornados/windstorms?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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36. For how long were your TB testing services impacted hours by hurricanes?  
week
- Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year
- 
37. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the hurricane?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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38. For how long were your TB testing services impacted hours by winter/ice storms?  
week
- Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year
- 
39. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the winter/ice storms?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
- 
40. For how long were your TB testing services impacted hours by fires?  
week
- Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 than six months  
 More than one  
 year
- 
41. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the fire?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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42. For how long were your TB testing services impacted hours by the earthquake?  
week
- Less than 72  
 More than one  
 More than two  
 weeks More than  
 one month More  
 More than one  
 year

than six months  
More than one  
year

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43. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to the earthquake?

- Yes (Go to Question 50)
- No Yes (Go to Question 50)
- There was no COOP in place for this event (Go to Question 50)

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44. For how long were your TB testing services impacted hours by facility issues (e.g., flooding due to frozen pipes or pipe breaks, shutdown)?
- Less than 72  
 More than one  
 More than two weeks  
 More than one month  
 More than six months  
 More than one year
- 
45. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to these facility issues?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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46. For how long were your TB testing services impacted hours by equipment failure/maintenance (e.g., biological safety cabinet, MGIT, Xpert, negative pressure, BSL-3 cleaning/maintenance)?
- Less than 72  
 More than one  
 More than two weeks  
 More than one month  
 More than six months  
 More than one year
- 
47. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to this equipment failure/maintenance?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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48. For how long were your TB testing services impacted hours by other events?
- Less than 72  
 More than one  
 More than two weeks  
 More than one month  
 More than six months  
 More than one year
- 
49. Was the PHL COOP activated for the TB/mycobacteriology laboratory due to this other event?
- Yes (Go to Question 50)  
 No (Go to Question 50)  
 There was no COOP in place for this event (Go to Question 50)
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50. Does the PHL COOP identify an organization that has the facilities to perform TB services (referral testing) in case of emergency events?
- Yes (Go to Question 51)  
 No (Go to Question 52)
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51. What type of laboratory is the referral organization?
- PHL  
 Academic  
 Commercial
- 
52. Is there a formal Memo of Understanding (MOU) or Memo of Agreement (MOA) in place as part of the COOP or agreement is the agreement informal?
- There is a formal agreement  
 There is an informal
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53. How often is the PHL COOP TB/mycobacteriology section of the COOP reviewed?
- Every six months  
 Once a year  
 Not certain  
 Not routinely reviewed
- 
54. Please provide the name of the state/local PHL you are affiliated with.
- \_\_\_\_\_

**Thank you for completing the survey. Upon submission, you will receive an email confirmation with a copy of your responses.**