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: (Go to Question 21)

3. Did your PHL have a continuity of operations plan Yes

(COOP) in place before the COVID-19 Pandemic that No established policy and guidance to continue

essential functions of the PHL?

4. Did the COOP specifically include TB/mycobacteria Yes

testing services in case of a pandemic? No

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

Pandemic? No

6. Does the COOP now specifically include Yes

TB/mycobacteria services in case of a pandemic? No

Previously available

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

Pandemic? No

8. Does the COOP now specifically include Yes (Go to Question 27)

TB/mycobacteria services in case of a pandemic? No (Go to Question 27)

9. Did your PHL have a continuity of operations plan Yes

(COOP) in place before the natural disaster that No established policy and guidance to continue

essential functions of the PHL?

10. Did the COOP specifically include TB/mycobacteria Yes

testing services in case of a natural disaster? No

11. Did your PHL revise their COOP after the natural Yes

disaster? No

12. Does the COOP now specifically include Yes

TB/mycobacteria services in case of a natural No

disaster? Previously available

13.Did your PHL develop a COOP after the natural Yes

disaster? No

14. Does the COOP now specifically include Yes (Go to Question 27)

TB/mycobacteria services in case of a natural No (Go to Question 27)

 diiisaster?

15.Did your PHL have a continuity of operations plan Yes

(COOP) in place before the interruption in service No that established policy and guidance to continue

essential functions of the PHL?

16. Did the COOP specifically include TB/mycobacteria Yes

testing services in case of an interruption in No service?

17. Did your PHL revise their COOP after the interruption Yes

in service? No

18. Does the COOP plan now specifically include Yes

TB/mycobacteria services in case of an interruption No

in service? Previously available

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

service? No

20. Does the COOP plan now specifically include Yes (Go to Question 27)

TB/mycobacteria services in case of an interruption No (Go to Question 27)

in service?

21. Did your PHL have a continuity of operations plan Yes

(COOP) in place before this other event that No established policy and guidance to continue

essential functions of the PHL?

22. Did the COOP specifically include TB/mycobacteria Yes

testing services in case of this other event? No

23. Did your PHL revise their COOP after this other Yes

event? No

24. Does the COOP now specifically include Yes

TB/mycobacteria services in case of this other event? No

Previously available

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

26. Does the COOP now specifically include Yes

TB/mycobacteria services in case of this other event? No

27. Does your PHL COOP identify responsible persons to Yes

oversee essential functions of each laboratory 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 Less than 72 hours by the COVID-19 Pandemic? More than one week

More than two weeks More than one month More than six months More than one year

31. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the COVID-19 No (Go to Question 50)

Pandemic? There was no COOP in place for this event

 (Go to Question 50)

32. For how long were your TB testing services impacted Less than 72 hours by flooding? More than one week

More than two weeks More than one month More than six months More than one year

33. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the flooding? No (Go to Question 50)

There was no COOP in place for this event

(Go to Question 50)

34. For how long were your TB testing services impacted Less than 72 hours by tornados/windstorms? More than one week

More than two weeks More than one month More than six months More than one year

35. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the No (Go to Question 50)

tornados/windstorms? There was no COOP in place for this event

 (Go to Question 50)

36. For how long were your TB testing services impacted Less than 72 hours by hurricanes? More than one week

More than two weeks More than one month More than six months More than one year

37. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the hurricane? No (Go to Question 50)

There was no COOP in place for this event

(Go to Question 50)

38. For how long were your TB testing services impacted Less than 72 hours by winter/ice storms? More than one week

More than two weeks More than one month More than six months More than one year

39. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the winter/ice storms? 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 Less than 72 hours by fires? More than one week

More than two weeks More than one month More than six months More than one year

41. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the fire? No (Go to Question 50)

There was no COOP in place for this event

(Go to Question 50)

42. For how long were your TB testing services impacted Less than 72 hours by the earthquake? More than one week

More than two weeks More than one month More than six months More than one year

43. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to the earthquake? No Yes (Go to Question 50)

There was no COOP in place for this event

(Go to Question 50)

44. For how long were your TB testing services impacted Less than 72 hours by facility issues (e.g., flooding due to frozen More than one week

pipes or pipe breaks, shutdown)? More than two weeks More than one month More than six months More than one year

45. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to these facility No (Go to Question 50)

issues? There was no COOP in place for this event

 (Go to Question 50)

46. For how long were your TB testing services impacted Less than 72 hours by equipment failure/maintenance (e.g., biological More than one week

safety cabinet, MGIT, Xpert, negative pressure, More than two weeks

BSL-3 cleaning/maintenance)? More than one month More than six months More than one year

47. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to this equipment No (Go to Question 50)

failure/maintenance? There was no COOP in place for this event

 (Go to Question 50)

48. For how long were your TB testing services impacted Less than 72 hours by other events? More than one week

More than two weeks More than one month More than six months More than one year

49. Was the PHL COOP activated for the Yes (Go to Question 50)

TB/mycobacteriology laboratory due to this other No (Go to Question 50)

event? There was no COOP in place for this event

 (Go to Question 50)

50. Does the PHL COOP identify an organization that has Yes (Go to Question 51)

the facilities to perform TB services (referral No (Go to Question 52)

testing) in case of emergency events?

51. What type of laboratory is the referral organization? PHL Academic Commercial

52. Is there a formal Memo of Understanding (MOU) or Memo There is a formal agreement

of Agreement (MOA) in place as part of the COOP or There is an informal agreement is the agreement informal?

53. How often is the PHL COOP TB/mycobacteriology section Every six months of the COOP reviewed? 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.**