**Section 1: Funding**

1. In 2015, your laboratory received funding via the U.S. Centers for Disease Control and Prevention (CDC) Domestic Ebola Supplement to Epidemiology and Laboratory Capacity for Infectious Diseases (ELC) - Building and Strengthening Epidemiology, Laboratory and Health Information Systems Capacity in State and Local Health Departments CK14-1401PPHFSUPP15.

   Please report how much of your laboratory’s funds were…
   - Spent
   - Obligated
   - Unobligated/ Unspent

1a. How were the funds allocated?

   - Distributed to other laboratories – specify the labs
   - Salaries and fringe
   - Equipment purchase
   - Equipment maintenance
   - Supplies
   - Training and travel
   - General overhead
   - Renovations
   - Unobligated/ unspent
   - Other

2. What is the primary funding source for your laboratory’s biosafety and biosecurity activities?

   - Federal – ELC funding
   - Federal – PHEP funding
   - State funding
   - Local funding
   - Other – please specify

2a. The CDC is currently providing funds to support strengthening biosafety and biosecurity in US public health laboratories. This funding will likely end in 2018. If it does end will you be able to maintain and enhance biosafety activities?

   Please check all that apply.

   - Yes, maintain internal biosafety activities
   - Yes, enhance internal biosafety activities
   - Yes, maintain external outreach activities (e.g. training for clinical labs, site visits, guidance on risk assessments)
   - Yes, enhance external outreach activities (e.g. training for clinical labs, site visits, guidance on risk assessments)
   - No - Please describe what will be lost if Biosafety funding is no longer available.
3. How does your laboratory allocate the ELC supplemental grant money?
   Please check all that apply.
   - BSO salary
   - BSO professional development
   - Internal safety training/materials
   - Internal safety equipment
   - Outreach site visit travel
   - Outreach training/materials
   - Other - please specify

Section 2: Workforce

4. Does your laboratory have a full time designated Biosafety Official (BSO)?
   - Yes (go to Q4a – 4e)
   - No (go to Q4f and skip to Q7)

4a. How long has the BSO been in this role at your laboratory?
   - < 1 year
   - 1 to 2 years
   - 2 to 3 years
   - 3 to 5 years
   - > 5 years

4b. Please provide the following information for your laboratory’s contacts.

   BSO Name (acting or permanent):
   Phone:
   Email:

   Biosafety Outreach Official Name (if applicable):
   Phone:
   Email:

4c. How many people have held the BSO position in your laboratory since March 2015?
   - 1
   - 2
   - 3
   - 4
   - 5+

4d. Please indicate the percentage of time breakdown for the BSO duties and include what other assignments they take.
   - Internal biosafety/biosecurity
   - External clinical lab outreach
   - Other please specify

4e. What resources do you utilize for guidance and assistance with biosafety/biosecurity?
   Please check all that apply.
- APHL listserv
- APHL staff or other APHL subject matter expert
- Internal staff
- Neighboring states
- Literature search
- Other – please specify

4f. Please indicate the reasons for not having a BSO? *Please check all that apply.*
- Delays in obtaining CDC ELC funds through state or other jurisdictions
- Delays due to jurisdiction’s personnel recruitment process
- Delays due to challenges in finding qualified personnel
- Offers rejected due to non-competitive salaries
- Lack of long term funding for staff
- Other, please specify ______________

5. What is the experience level of your BSO? *Please check all that apply.*
- Experienced Biosafety Professional (i.e. more than 5 years working as a BSO in a laboratory setting)
- Intermediate Biosafety Professional (1 to 5 years working as a BSO in a laboratory setting).
- Biosafety specific education only (no previous experience working in a laboratory)
- Experience working in a public health laboratory performing analytical work
- Experience working in a clinical laboratory
- Experience working in a research or academic laboratory
- Currently a Registered Biosafety Professional (RBP)
- Currently a Certified Biosafety Professional (CBSP)
- Other, please specify ______________

6. Please check any trainings offered to your BSO? *Please check all that apply.*
- Institution specific, please specify ______________
- External courses, please specify (e.g. American Biological Safety Association ABSA training course on biosafety) ______________
- Conferences, please specify ______________
- APHL Courses, please specify ______________
- Other, please specify ______________

7. Have you developed safety specific competencies for laboratory staff?
- Yes
- No, please explain the reasons why you did not develop safety competencies ______________

8. Please indicate whether you are aware of the following Competency Guidelines:
- [http://www.cdc.gov/mmwr/pdf/other/su6401.pdf](http://www.cdc.gov/mmwr/pdf/other/su6401.pdf) - CDC. *Competency Guidelines for Public Health Laboratory Professionals.* MMWR 2015; 60 (suppl):1-95
- [http://www.cdc.gov/mmwr/pdf/other/su6002.pdf](http://www.cdc.gov/mmwr/pdf/other/su6002.pdf) - CDC. *Guidelines for Biosafety Laboratory Competency.* MMWR 2011;60(Suppl):1-28
- Not aware of the guidelines

9. From March 2016 to September 2017, please provide information on the types of training courses your laboratorians and BSO completed.
<table>
<thead>
<tr>
<th>Training Topics</th>
<th>Total Number of Laboratorians Requiring Training</th>
<th>Total Number of Laboratorians Completed (do not include BSO)</th>
<th>Has BSO Completed?</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSL-2 safe practices (fundamentals of biological materials safety practices, excluding bloodborne pathogen training)</td>
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<tr>
<td>Biological Risk Assessment</td>
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<tr>
<td>Personal Protective Equipment</td>
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<tr>
<td>Biosafety Cabinets and other Engineering Controls</td>
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<td>Bloodborne Pathogens</td>
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<tr>
<td>Spill Prevention, Control, and Countermeasure</td>
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<tr>
<td>Sharps Hazard</td>
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<tr>
<td>Safe Handling and Use of Cryogenic Liquids</td>
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<td>Chemical Hazards</td>
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<tr>
<td>Decontamination</td>
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<tr>
<td>Regulated Waste Management</td>
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<tr>
<td>Emergency Management and Response</td>
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<tr>
<td>Certification in packaging/shipping of IATA Division 6.2 infectious substances (Category A)</td>
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<tr>
<td>Biosecurity Plan</td>
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<tr>
<td>Select Agent Regulations</td>
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<tr>
<td>BSL-3 safety practices</td>
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</tbody>
</table>
Please indicate if there are any other types of training courses that your laboratorians or BSO have completed.

**Section 3: Risk Assessment**

10. From March 2016 to September 2017, has your laboratory performed any risk assessments?
   - Yes (go to Q 10a)
   - No

10a. Did you identify any gaps?
   - Yes, please specify ______________
   - No (go to Q 11)

10b. Have you taken steps to mitigate the gaps identified from the risk assessment?
   - Yes, please describe the steps:___________________
   - No

11. Please indicate the frequency and reasons for completing risk assessments on the following lab sections. *Please check all that apply.*

<table>
<thead>
<tr>
<th>Laboratory Section</th>
<th>Annually</th>
<th>Quarterly</th>
<th>Biannually</th>
<th>New agent</th>
<th>Change in procedure</th>
<th>Change in equipment</th>
<th>Incident</th>
<th>New staff</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Testing</td>
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<td>Bacteriology/Microbiology</td>
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<td>Parasitology</td>
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<td>Laboratory Response Network for Biological Threats</td>
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<tr>
<td>Preparedness (LRN-B)</td>
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<td>Laboratory Response Network for Chemical Threats</td>
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<td>Preparedness (LRN-C)</td>
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</table>

11a. If you completed risk assessments for other laboratory sections, please provide the reasons for the assessment.

12. Do you have a mechanism to share documentation for risk assessments and risk mitigation with laboratory personnel?
   - Yes
   - No
Section 4: Outreach to Clinical Laboratories

13. How many sentinel clinical laboratories do you have within your jurisdiction?
   a. Number of sentinel clinical labs which meet the APHL-CDC-ASM Definition:
      ______________________
   b. Number of additional clinical labs (as described in the ELC Performance Measures Guidance)

14. What forms of communication you use with clinical laboratories? Please check all that apply.
   - Email
   - Phone
   - Site Visits
   - Meetings hosted by my laboratory
   - Listserv
   - Newsletter
   - Other, please specify __________

15. From March 2016 to September 2017, have you conducted any of the following with your clinical laboratories?
   a. Performed site visits- please list the number of clinical labs you visited: __________
   b. Performed risk assessments
   c. Provided risk assessment templates
   d. None of the above

16. From May 2016 to September 2017, please indicate if your laboratory provided the following trainings to the clinical laboratories. Please check all that apply.

<table>
<thead>
<tr>
<th>Training topic provided…</th>
<th>Offered</th>
<th>Did not offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging/Shipping of IATA Division 6.2 infectious substances (Category A)</td>
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<td></td>
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<tr>
<td>BSL-2 Safe Practices (fundamentals of biological materials safety practices, excluding bloodborne pathogen training)</td>
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<td>Decontamination</td>
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</tbody>
</table>
16a. Please list any other training topics provided to clinical laboratories.

17. Have you conducted any biosafety and biosecurity drills or exercises with your sentinel clinical laboratories from March 2016 to September 2017?
   a. Yes, please briefly describe the drills or exercises ________________________
   b. No, please specify any barriers __________________________________________________________________

18. Please list the top 3 challenges in engaging your clinical laboratories and provide suggested solutions.

<table>
<thead>
<tr>
<th>Challenge/Barriers (e.g. lack of staff time to participate in training)</th>
<th>Solution(s) (E.g. public health lab goes to the clinical lab and offers training onsite)</th>
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19. If you have a successful model for outreach to your sentinel clinical laboratories, please share a brief summary below. A successful model includes routine communications between the clinical and public health laboratory, participating in training and exercises, a newsletter or other resource such as a Listserv, and other examples demonstrating that the clinical laboratory is actively connected to the public health laboratory. An APHL staff member will contact you to follow up on the model described below. [Limit to 500 words]
Section 5: Training and Related Resource Needs

20. What types of biosafety and biosecurity training would you like APHL or other partners to develop?

<table>
<thead>
<tr>
<th>Training Course Topic</th>
<th>Audience (please specify)</th>
</tr>
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<tbody>
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</table>

21. Beside trainings, what specific biosafety and/or biosecurity guidance documents/tools or other resources do you need?

Section 6: APHL Resources

22. Have you used any of APHL’s Biosafety and Biosecurity Program tools, templates or resources? (ex. Ebola or Zika Risk Assessment Template, Risk Assessment Best Practice, Clinical Laboratory Checklist, webinars, training presentations, etc. found at www.aphl.org/biosafety)

- Yes
- No (go to question 23)

22a. Are you satisfied with the “quality” of these tools, templates and resources?

- Yes
- No-please specify anything the program can improve on

23. Have you or any representative of your laboratory attended an APHL sponsored biosafety training (i.e. webinar, regional workshop, course, etc.)?

- Yes
- No (please specify)

24. Are you satisfied with the technical assistance received by the APHL Biosafety and Biosecurity program?

- Yes
- No-please specify anything the program can improve on
- No assistance received