Testing Facility Name: _____ **Testing Facility ID** *(FluSurv-NET use only)*: _____

Name of person completing form: _____ **Date:** _____

U.S. DEPARTMENT OF
HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL
AND PREVENTION
ATLANTA, GA 30329

FluSurv-NET Laboratory Survey 2017–2018 Season

Form Approved
OMB No. 0920-0978

Survey Introduction

Administer this survey to labs that serve FluSurv-NET hospitals. The questions in this survey refer to diagnostic testing ordered by healthcare providers for routine clinical care of hospitalized and emergency department (ED) patients only. All questions relate to testing performed on-site within the lab facility unless otherwise specified. If a FluSurv-NET hospital lab sends specimens to one or more labs (other than commercial or state public health labs) for clinical influenza or RSV testing, please have each lab complete this survey.

- Do NOT administer this survey to commercial labs or to state public health labs
- Do NOT administer this survey to labs that are not affiliated with FluSurv-NET hospitals
- Do NOT include information on testing for the purposes of influenza or RSV surveillance
- Do NOT include information on testing for outpatients

This survey should take 10-15 minutes to complete. Thank you for your time!

Question

1. What is the role of the person completing this survey?

- ☐ Laboratory staff at testing facility
- ☐ FluSurv-NET staff

2. Please select the choice which best describes the laboratory type: *(select one)*

- ☐ Hospital (private/public/community) laboratory
- ☐ Federal government (military, IHS, Veteran's Affairs) hospital laboratory
- ☐ University/medical school hospital laboratory
- ☐ County public health laboratory
- ☐ Other (specify): _____

Influenza

3. Does the laboratory perform diagnostic testing for influenza on-site?

- ☐ Yes → *Answer question 4*
- ☐ No → *Skip to Question 10*

4. Does the laboratory perform rapid influenza antigen diagnostic test (rapid test, RIDT)?

- ☐ Yes, pediatric patients only → *Answer questions 4a-4d*
- ☐ Yes, adult patients only → *Answer questions 4a-4d*
- ☐ Yes, pediatric and adult patients → *Answer questions 4a-4d*
- ☐ No, we confirm RIDT tests performed elsewhere in the hospital (such as ED) → *Answer questions 4c-4d*
- ☐ No → *Skip to question 5*

4a. Select the kit name(s) (manufacturer) for the rapid influenza antigen diagnostic test(s) performed at the laboratory: *(Check all that apply)* (http://www.cdc.gov/flu/professionals/diagnosis/rapidclin.htm)

- ☐ BD Directigen™ EZ Flu A+B (Becton-Dickinson & Co.)
- ☐ BD Veritor™ System for Rapid Detection of Flu A+B (CLIA-waived), (Becton Dickinson & Co.)
- ☐ BD Veritor™ System for Rapid Detection of Flu A+B (Moderately Complex), (Becton Dickinson & Co.)
- ☐ Binax NOW® Influenza A&B Test (Alere Scarborough, Inc.)
- ☐ BioSign® Flu A+B or OraSure QuickFlu Rapid A+B Test or Polymedco Poly stat Flu A&B Test or LifeSign LLC Status Flu A&B (Princeton BioMedtech Corp.)
- ☐ ClearView Exact II Influenza A&B Test or Alere Influenza A&B Test (Alere Scarborough, Inc.)
- ☐ OSOM® Influenza A&B Test (Sekisui Diagnostics)
- ☐ QuickVue® Influenza A/B Test (Quidel Corp.)
- ☐ QuickVue® Influenza A+B Test (Quidel Corp.)
- ☐ RAMP Influenza A/B Assay or 3M™ Rapid Detection Flu A+B Test (Response Biomedical Corp.)
- ☐ SAS™ FluAlert A&B Test (SA Scientific, Inc.)
- ☐ SAS™ Influenza A Test (SA Scientific, Inc.)
- ☐ SAS™ Influenza B Test (SA Scientific, Inc.)
- ☐ Sofia® Analyzer and Influenza A+B FIA (CLIA-waived) (Quidel Corp.)
- ☐ Sofia® Analyzer and Influenza A+B FIA (Quidel Corp.)
- ☐ TRU FLU® (Meridian Bioscience, Inc.)
- ☐ XPECT™ Influenza A/B (Remel Inc./Thermo Fisher Scientific)
- ☐ Other, specify: _____

4b. If more than one kit is selected above, please select the one kit that is (or will be) used most frequently for rapid influenza diagnostic testing at the laboratory during the current influenza season:

- ☐ BD Directigen™ EZ Flu A+B (Becton-Dickinson & Co.)
- ☐ BD Veritor™ System for Rapid Detection of Flu A+B (CLIA-waived), (Becton Dickinson & Co.)
- ☐ BD Veritor™ System for Rapid Detection of Flu A+B (Moderately Complex), (Becton Dickinson & Co.)
- ☐ Binax NOW® Influenza A&B Test (Alere Scarborough, Inc.)
- ☐ BioSign® Flu A+B or OraSure QuickFlu Rapid A+B Test or Polymedco Poly stat Flu A&B Test or LifeSign LLC Status Flu A&B (Princeton BioMedtech Corp.)
- ☐ ClearView Exact II Influenza A&B Test or Alere Influenza A&B Test (Alere Scarborough, Inc.)
- ☐ OSOM® Influenza A&B Test (Sekisui Diagnostics)
- ☐ QuickVue® Influenza A/B Test (Quidel Corp.)
- ☐ QuickVue® Influenza A+B Test (Quidel Corp.)
- ☐ RAMP Influenza A/B Assay or 3M™ Rapid Detection Flu A+B Test (Response Biomedical Corp.)
- ☐ SAS™ FluAlert A&B Test (SA Scientific, Inc.)
- ☐ SAS™ Influenza A Test (SA Scientific, Inc.)
- ☐ SAS™ Influenza B Test (SA Scientific, Inc.)
- ☐ Sofia® Analyzer and Influenza A+B FIA (CLIA-waived) (Quidel Corp.)
- ☐ Sofia® Analyzer and Influenza A+B FIA (Quidel Corp.)
- ☐ TRU FLU® (Meridian Bioscience, Inc.)
- ☐ XPECT™ Influenza A/B (Remel Inc./Thermo Fisher Scientific)
- ☐ Other, specify: _____

4c. What does the laboratory do if a rapid influenza antigen diagnostic test result is negative for influenza? *(Select one) (Consider tests performed in laboratory or other locations in the hospital, e.g. Emergency Department)*

- ☐ Report the negative result and do nothing else
- ☐ Reflex to molecular assay (PCR) for confirmation
- ☐ Report the negative result and submit specimen to state/regional public health lab for PCR confirmation
- ☐ Report the negative result with a disclaimer asking the physician to submit a second specimen for testing with a more sensitive assay
- ☐ Other, specify: _____

4d. What does the laboratory do if a rapid influenza antigen diagnostic test result is positive for influenza? *(Select one)* **(***Consider tests performed in laboratory or other locations in the hospital, e.g. Emergency Department)*

- ☐ Report the positive result and do nothing else
- ☐ Reflex to another influenza test for confirmation
- ☐ Reflex to a confirmatory test only if early in influenza season or off-season
- ☐ Report the positive result with a disclaimer asking the physician to submit a second specimen for testing with a more sensitive assay
- ☐ Report the positive result and submit specimen to state/regional public health lab for PCR confirmation
- ☐ Other, specify: _____

5. Does the laboratory perform rapid molecular assays (e.g. Alere-i™, cobas® Liat; results available ≤20 minutes) for influenza?

- ☐ Yes → *Answer questions 5a-5b*
- ☐ No → *Skip to question 6*

5a. What does the laboratory do if the rapid molecular assay is negative for influenza? *(Select one)*

- ☐ Report the negative result and do nothing else
- ☐ Reflex to standard molecular assay (PCR) for confirmation
- ☐ Report the negative result with a disclaimer asking the physician to submit a second specimen for testing with a more sensitive assay
- ☐ Report the negative result and submit specimen to state/regional public health lab for PCR confirmation
- ☐ Other, specify: _____

5b. What does the laboratory do if the rapid molecular assay is positive for influenza? *(Check all that apply)*

- ☐ Report the positive result and do nothing else
- ☐ Reflex to standard molecular assay (PCR) for confirmation
- ☐ Report the positive result with a disclaimer asking the physician to submit a second specimen for testing with a standard molecular assay
- ☐ Report the positive result and submit specimen to state/regional public health lab for PCR confirmation
- ☐ Reflex for subtyping
- ☐ Other, specify: _____

6. Does the laboratory perform standard molecular assays (e.g., RT-PCR; with results available > 20 minutes) for influenza?

- ☐ Yes → *Answer questions 6a-6c*
- ☐ No → *Answer question 7*

6a. Select kit name(s) (manufacturer) for all molecular assays performed at the laboratory: *(Check all that apply)*
(http://www.cdc.gov/flu/professionals/diagnosis/molecular-assays.htm**)**

- ☐ Alere i NAT Flu A/B (CLIA Waived), (Alere)
- ☐ Alere i NAT Flu A/B (Moderate), (Alere)
- ☐ ARIES® Flu A/B & RSV Assay, (Luminex)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Diagnostic Panel (Influenza A/B Typing Kit4), (CDC Influenza Division)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Detection and Characterization Panel, (CDC Influenza Division)
- ☐ CDC Influenza A/H5 (Asian Lineage) Virus Real-Time RT-PCR Primer and Probe Set, (CDC Influenza Division)
- ☐ CDC Influenza 2009 A(H1N1)pdm Real-Time RT-PCR Panel, (CDC Influenza Division)
- ☐ Cepheid Xpert Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Flu/RSV XC Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu/RSV Assay, (Cepheid)
- ☐ Cobas Liat Influenza A/B, (Roche Diagnostics)
- ☐ Cobas Liat Influenza A/B & RSV, (Roche Diagnostics)
- ☐ eSensor® Respiratory Viral Panel (RVP), (GenMark Diagnostics)
- ☐ FilmArray Respiratory Panel, (BioFire Diagnostics, LLC)
- ☐ Ibis PLEX-ID Flu, (Ibis/Abbott)
- ☐ IMDx Flu A/B and RSV for Abbott *m*2000, (IMDx)
- ☐ Prodesse PROFLU™, (GenProbe/Hologic)
- ☐ Prodesse ProFAST™, (GenProbe/Hologic)
- ☐ Qiagen Artus Influenza A/B Rotor-gene RT-PCR kit, (Qiagen)
- ☐ Quidel Molecular Influenza A+B, (Quidel)
- ☐ Simplexa™ Flu A/B & RSV, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Flu A/B & RSV Direct, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Influenza A H1N1 (2009), (Focus Diagnostics, 3M)
- ☐ U.S. Army JBAIDS Influenza A&B Detection Kit , (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A Subtyping Kit, (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A/H5 Kit ,(Biofire Defense)
- ☐ Verigene® Respiratory Virus Nucleic Acid Test, (Nanosphere, Inc)
- ☐ Verigene® Respiratory Virus Plus Nucleic Acid Test (RV+), (Nanosphere, Inc)
- ☐ Verigene® Respiratory Pathogen Nucleic Acid Test (RP *Flex*), (Nanosphere, Inc)
- ☐ x-TAG® Respiratory Viral Panel (RVP), (Luminex Molecular Diagnostics Inc)
- ☐ x-TAG® Respiratory Viral Panel Fast (RVP FAST), (Luminex Molecular Diagnostics Inc)
- ☐ In-house developed PCR assay
- ☐ Other, specify: _____

6b. If more than one kit is selected above, please select the <u>one kit</u> that is (or will be) used most frequently for molecular assay at the laboratory during the current influenza season:

- ☐ Alere i NAT Flu A/B (CLIA Waived), (Alere)
- ☐ Alere i NAT Flu A/B (Moderate), (Alere)
- ☐ ARIES® Flu A/B & RSV Assay, (Luminex)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Diagnostic Panel (Influenza A/B Typing Kit4), (CDC Influenza Division)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Detection and Characterization Panel, (CDC Influenza Division)
- ☐ CDC Influenza A/H5 (Asian Lineage) Virus Real-Time RT-PCR Primer and Probe Set, (CDC Influenza Division)
- ☐ CDC Influenza 2009 A(H1N1)pdm Real-Time RT-PCR Panel, (CDC Influenza Division)
- ☐ Cepheid Xpert Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Flu/RSV XC Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu/RSV Assay, (Cepheid)
- ☐ Cobas Liat Influenza A/B, (Roche Diagnostics)
- ☐ Cobas Liat Influenza A/B & RSV, (Roche Diagnostics)
- ☐ eSensor® Respiratory Viral Panel (RVP), (GenMark Diagnostics)
- ☐ FilmArray Respiratory Panel, (BioFire Diagnostics, LLC)
- ☐ Ibis PLEX-ID Flu, (Ibis/Abbott)
- ☐ IMDx Flu A/B and RSV for Abbott *m*2000, (IMDx)
- ☐ Prodesse PROFLU™, (GenProbe/Hologic)
- ☐ Prodesse ProFAST™, (GenProbe/Hologic)
- ☐ Qiagen Artus Influenza A/B Rotor-gene RT-PCR kit, (Qiagen)
- ☐ Quidel Molecular Influenza A+B, (Quidel)
- ☐ Simplexa™ Flu A/B & RSV, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Flu A/B & RSV Direct, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Influenza A H1N1 (2009), (Focus Diagnostics, 3M)
- ☐ U.S. Army JBAIDS Influenza A&B Detection Kit , (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A Subtyping Kit, (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A/H5 Kit ,(Biofire Defense)
- ☐ Verigene® Respiratory Virus Nucleic Acid Test, (Nanosphere, Inc)
- ☐ Verigene® Respiratory Virus Plus Nucleic Acid Test (RV+), (Nanosphere, Inc)
- ☐ Verigene® Respiratory Pathogen Nucleic Acid Test (RP *Flex*), (Nanosphere, Inc)
- ☐ x-TAG® Respiratory Viral Panel (RVP), (Luminex Molecular Diagnostics Inc)
- ☐ x-TAG® Respiratory Viral Panel Fast (RVP FAST), (Luminex Molecular Diagnostics Inc)
- ☐ In-house developed PCR assay
- ☐ Other, specify: _____

6c. Does the laboratory perform influenza A virus subtyping?

- ☐ Yes → *Answer question 6d*
- ☐ No → *Skip to question 7*

6d. What testing kit does the testing facility use (or will it use) most often to perform influenza A sub-typing during the current influenza season? *(Select one)*

- ☐ Alere i NAT Flu A/B (CLIA Waived), (Alere)
- ☐ Alere i NAT Flu A/B (Moderate), (Alere)
- ☐ ARIES® Flu A/B & RSV Assay, (Luminex)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Diagnostic Panel (Influenza A/B Typing Kit4), (CDC Influenza Division)
- ☐ CDC Human Influenza Virus Real-Time RT-PCR Detection and Characterization Panel, (CDC Influenza Division)
- ☐ CDC Influenza A/H5 (Asian Lineage) Virus Real-Time RT-PCR Primer and Probe Set, (CDC Influenza Division)
- ☐ CDC Influenza 2009 A(H1N1)pdm Real-Time RT-PCR Panel, (CDC Influenza Division)
- ☐ Cepheid Xpert Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Flu/RSV XC Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu Assay, (Cepheid)
- ☐ Cepheid Xpert Express Flu/RSV Assay, (Cepheid)
- ☐ Cobas Liat Influenza A/B, (Roche Diagnostics)
- ☐ Cobas Liat Influenza A/B & RSV, (Roche Diagnostics)
- ☐ eSensor® Respiratory Viral Panel (RVP), (GenMark Diagnostics)
- ☐ FilmArray Respiratory Panel, (BioFire Diagnostics, LLC)
- ☐ Ibis PLEX-ID Flu, (Ibis/Abbott)
- ☐ IMDx Flu A/B and RSV for Abbott *m*2000, (IMDx)
- ☐ Prodesse PROFLU™, (GenProbe/Hologic)
- ☐ Prodesse ProFAST™, (GenProbe/Hologic)
- ☐ Qiagen Artus Influenza A/B Rotor-gene RT-PCR kit, (Qiagen)
- ☐ Quidel Molecular Influenza A+B, (Quidel)
- ☐ Simplexa™ Flu A/B & RSV, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Flu A/B & RSV Direct, (Focus Diagnostics, 3M)
- ☐ Simplexa™ Influenza A H1N1 (2009), (Focus Diagnostics, 3M)
- ☐ U.S. Army JBAIDS Influenza A&B Detection Kit , (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A Subtyping Kit, (Biofire Defense)
- ☐ U.S. Army JBAIDS Influenza A/H5 Kit ,(Biofire Defense)
- ☐ Verigene® Respiratory Virus Nucleic Acid Test, (Nanosphere, Inc)
- ☐ Verigene® Respiratory Virus Plus Nucleic Acid Test (RV+), (Nanosphere, Inc)
- ☐ Verigene® Respiratory Pathogen Nucleic Acid Test (RP *Flex*), (Nanosphere, Inc)
- ☐ x-TAG® Respiratory Viral Panel (RVP), (Luminex Molecular Diagnostics Inc)
- ☐ x-TAG® Respiratory Viral Panel Fast (RVP FAST), (Luminex Molecular Diagnostics Inc)
- ☐ In-house developed PCR assay
- ☐ Other, specify: _____

7. Does the laboratory perform any of the following additional tests to detect influenza (other than PCR or RIDT)? *(Check all that apply)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody (IFA) stain
- ☐ Direct fluorescent antibody (DFA) stain
- ☐ Serology (IgG or IgM)
- ☐ No

8a. Which influenza test method does the laboratory perform most frequently for pediatric patients (aged 0-17 years)? *(Select one)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody (IFA)/direct fluorescent antibody stain (DFA)
- ☐ Rapid influenza antigen diagnostic test (rapid test, RIDT)
- ☐ Rapid Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- ☐ Rapid Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)

8b. Which influenza test method does the laboratory perform most frequently for adult patients (aged ≥18 years)? *(Select one)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody (IFA)/direct fluorescent antibody stain (DFA)
- ☐ Rapid influenza antigen diagnostic test (rapid test, RIDT)
- ☐ Rapid Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- ☐ Rapid Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- ☐ Standard Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)

9. Based on tests that were performed during the 2016-2017 influenza season, approximately what percent of the time are each of these test types used to test for flu overall? *(Answers should add to 100%)*

- _____ % Viral culture
- _____ % Indirect fluorescent antibody stain (IFA)/direct fluorescent antibody stain (DFA)
- _____ % Rapid influenza antigen diagnostic test (rapid test, RIDT)
- _____ % Rapid Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- _____ % Rapid Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- _____ % Standard Molecular assay (e.g. RT-PCR, NAAT) – singleplex (influenza only)
- _____ % Standard Molecular assay (e.g. RT-PCR, NAAT) – dualplex (influenza/RSV)
- _____ % Standard Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)

10. Does the lab send specimens to other labs for clinical testing of influenza *(select all that apply)***?**

- ☐ Yes, Commercial lab(s): List names of all labs: _____
- ☐ Yes, Public Health lab(s): List names of all labs: _____
- ☐ Yes, Other lab(s): List names of all labs: _____
- ☐ No

11. Laboratory comments:

_____

_____

_____

RSV

Question

12. Does the laboratory perform diagnostic testing for RSV on-site?

- ☐ Yes → *Answer question 13*
- ☐ No → *Answer question 12a*

12a. What are the reasons that the laboratory does not perform testing for RSV? *(Check all that apply) (Then skip to Question 21)*

- ☐ Cost prohibitive
- ☐ Results not available in a timely manner
- ☐ Inadequate staffing (not enough staff or lack of staff training)
- ☐ Other (specify): _____

13. Does the laboratory perform rapid antigen detection tests (RADT) for RSV?

- ☐ Yes, pediatric patients only → *Answer questions 13a-13b*
- ☐ Yes, adult patients only → *Answer questions 13a-13b*
- ☐ Yes, pediatric and adult patients → *Answer questions 13a-13b*
- ☐ No → *Skip to question 14*

13a. Select the kit name(s) (manufacturer) for the RSV rapid antigen detection test(s) performed at the laboratory: *(Check all that apply)*

- ☐ BinaxNOW® RSV Card (Alere Scarborough, Inc.)
- ☐ Clearview® RSV (Alere Scarborough, Inc.)
- ☐ QuickVue RSV Test (Quidel Corp.)
- ☐ Sofia RSV FIA (Quidel Corp.)
- ☐ Directigen™ EZ RSV Kit (Becton-Dickinson & Co.)
- ☐ TRU RSV® Kit (Meridian Bioscience, Inc.)
- ☐ RAMP™ Rapid Detection RSV Test Kit (Response Biomedical Corp.)
- ☐ SAS™ RSVAlert (SA Scientific, Inc.)
- ☐ Xpect™ RSV Test (Remel Inc./Thermo Fisher Scientific)
- ☐ BD Veritor System for Rapid Detection of RSV (Becton-Dickinson & Co.)
- ☐ Other, specify: _____

13b. If more than one kit is selected above, please select the <u>one kit</u> that is (or will be) used most frequently for RSV rapid antigen detection testing at the laboratory during the current RSV season: *(Select one)*

- ☐ BinaxNOW® RSV Card (Alere Scarborough, Inc.)
- ☐ Clearview® RSV (Alere Scarborough, Inc.)
- ☐ QuickVue RSV Test (Quidel Corp.)
- ☐ Sofia RSV FIA (Quidel Corp.)
- ☐ Directigen™ EZ RSV Kit (Becton-Dickinson & Co.)
- ☐ TRU RSV® Kit (Meridian Bioscience, Inc.)
- ☐ RAMP™ Rapid Detection RSV Test Kit (Response Biomedical Corp.)
- ☐ SAS™ RSVAlert (SA Scientific, Inc.)
- ☐ Xpect™ RSV Test (Remel Inc./Thermo F+isher Scientific)
- ☐ BD Veritor System for Rapid Detection of RSV (Becton-Dickinson & Co.)
- ☐ Other, specify: _____

14. Does the laboratory perform molecular assays (e.g., RT-PCR) for RSV?

- ☐ Yes, pediatric patients only → *Answer questions 14a-14b*
- ☐ Yes, adult patients only → *Answer questions 14a-14b*
- ☐ Yes, pediatric and adult patients → *Answer questions 14a-14b*
- ☐ No → *Skip to question 15*

14a. Select kit name(s) (manufacturer) for all molecular assays used at the laboratory: *(Check all that apply)*

- ☐ ARIES® Flu A/B & RSV Assay (Luminex)
- ☐ Alere™ i RSV (Alere)
- ☐ Cepheid Xpert Flu/RSV XC Assay (Cepheid)
- ☐ eSensor® Respiratory Viral Panel (RVP) (GenMark Diagnostics)
- ☐ FilmArray Respiratory Panel (BioFire Diagnostics LLC)
- ☐ IMDx Flu A/B and RSV for Abbott *m*2000 (IMDx)
- ☐ Prodesse PROFLU™+ (GenProbe/Hologic)
- ☐ Simplexa™ Flu A/B & RSV (Focus Diagnostics, 3M)
- ☐ Simplexa™ Flu A/B & RSV Direct (Focus Diagnostics, 3M)
- ☐ Verigene® Respiratory Virus Nucleic Acid Test (Nanosphere, Inc)
- ☐ Verigene® Respiratory Virus Plus Nucleic Acid Test (RV+) (Nanosphere, Inc)
- ☐ Verigene® Respiratory Pathogen Nucleic Acid Test (RP *Flex*) (Nanosphere, Inc)
- ☐ x-TAG® Respiratory Viral Panel (RVP) (Luminex Molecular Diagnostics Inc)
- ☐ x-TAG® Respiratory Viral Panel Fast (RVP FAST) (Luminex Molecular Diagnostics Inc)
- ☐ In-house developed PCR assay
- ☐ CDC Respiratory Syncytial Virus Real-Time RT-PCR Assay
- ☐ Other, specify: _____

14b. If more than one kit is selected above, please select the <u>one kit</u> that is (or will be) used most frequently for molecular assays at the laboratory during the current RSV season: *(Select one)*

- ☐ ARIES® Flu A/B & RSV Assay (Luminex)
- ☐ Alere™ i RSV (Alere)
- ☐ Cepheid Xpert Flu/RSV XC Assay (Cepheid)
- ☐ eSensor® Respiratory Viral Panel (RVP) (GenMark Diagnostics)
- ☐ FilmArray Respiratory Panel (BioFire Diagnostics, LLC)
- ☐ IMDx Flu A/B and RSV for Abbott *m*2000 (IMDx)
- ☐ Prodesse PROFLU™+ (GenProbe/Hologic)
- ☐ Simplexa™ Flu A/B & RSV (Focus Diagnostics, 3M)
- ☐ Simplexa™ Flu A/B & RSV Direct (Focus Diagnostics, 3M)
- ☐ Verigene® Respiratory Virus Nucleic Acid Test (Nanosphere, Inc)
- ☐ Verigene® Respiratory Virus Plus Nucleic Acid Test (RV+) (Nanosphere, Inc)
- ☐ Verigene® Respiratory Pathogen Nucleic Acid Test (RP *Flex*) (Nanosphere, Inc)
- ☐ x-TAG® Respiratory Viral Panel (RVP) (Luminex Molecular Diagnostics Inc)
- ☐ x-TAG® Respiratory Viral Panel Fast (RVP FAST) (Luminex Molecular Diagnostics Inc)
- ☐ In-house developed PCR assay
- ☐ CDC Respiratory Syncytial Virus Real-Time RT-PCR Assay
- ☐ Other, specify: _____

15. Does the laboratory perform any of these additional tests to detect RSV (apart from rapid antigen detection tests and molecular assays) for <u>pediatric patients (aged 0–17 years)</u>? *(Select all that apply)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody (IFA) stain
- ☐ Direct fluorescent antibody (DFA) stain
- ☐ Serology (IgG or IgM)
- ☐ None of the above
- ☐ Not applicable (only do testing in adult patients)

16. Does the laboratory perform any of these additional tests to detect RSV (apart from rapid antigen detection tests and molecular assays) for <u>adult patients (aged ≥ 18 years)</u>? *(Select all that apply)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody (IFA) stain
- ☐ Direct fluorescent antibody (DFA) stain
- ☐ Serology (IgG or IgM)
- ☐ None of the above
- ☐ Not applicable (only do testing in pediatric patients)

17. Which RSV test method does the laboratory perform most frequently for <u>pediatric patients (aged 0–17 years)</u>? *(Select one)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody stain (IFA)/direct fluorescent antibody stain (DFA)
- ☐ Serology (IgG or IgM)
- ☐ Rapid antigen detection test (rapid test, RADT)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – singleplex (RSV only)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – dualplex (RSV/influenza)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)
- ☐ Not applicable (only do testing in adult patients)

18. Which RSV test method does the laboratory perform most frequently for <u>adult patients (aged ≥ 18 years)</u>? *(Select one)*

- ☐ Viral culture
- ☐ Indirect fluorescent antibody stain (IFA)/direct fluorescent antibody stain (DFA)
- ☐ Serology (IgG or IgM)
- ☐ Rapid antigen detection test (rapid test, RADT)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – singleplex (RSV only)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – dualplex (RSV/influenza)
- ☐ Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)
- ☐ Not applicable (only do testing in pediatric patients)

19. Based on tests that were performed during the 2016-2017 RSV season, approximately what percent of the time are each of these test types used to test for RSV in <u>pediatric patients (aged 0–17) years</u>? *(Answers should add to 100%)*

- _____ % Viral culture
- _____ % Indirect fluorescent antibody stain (IFA)/direct fluorescent antibody stain (DFA)
- _____ % Serology (IgG or IgM)
- _____ % Rapid antigen detection test (rapid test, RADT)
- _____ % Molecular assay (e.g. RT-PCR, NAAT) – singleplex (RSV only)
- _____ % Molecular assay (e.g. RT-PCR, NAAT) – dualplex (RSV/influenza)
- _____ % Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)
- ☐ Not applicable (only do testing in adults patients)

20. Based on tests that were performed during the 2016-2017 RSV season, approximately what percent of the time are each of these test types used to test for RSV in adult patients (aged ≥ 18 years)? *(Answers should add to 100%)*

_____ % Viral culture

_____ % Indirect fluorescent antibody stain (IFA)/direct fluorescent antibody stain (DFA)

_____ % Serology (IgG or IgM)

_____ % Rapid antigen detection test (rapid test, RADT)

_____ % Molecular assay (e.g. RT-PCR, NAAT) – singleplex (RSV only)

_____ % Molecular assay (e.g. RT-PCR, NAAT) – dualplex (RSV/influenza)

_____ % Molecular assay (e.g. RT-PCR, NAAT) – multiplex/respiratory viral panel (RVP)

☐ Not applicable (only do testing in pediatric patients)

21. Does the lab send specimens to other labs for clinical testing of RSV *(select all that apply)***?**

☐ Yes, Commercial lab(s): List names of all labs: _____

_____

☐ Yes, Public Health lab(s): List names of all labs: _____

_____

☐ Yes, Other lab(s): List names of all labs: _____

_____

☐ No

22. Laboratory comments:

_____

_____

_____

FluSurv-NET site use only

23. List all FluSurv-NET hospital IDs (hosp_TX) associated with this testing facility.

Hospital ID 1 (Required): _____ **Hospital ID 6:** _____

Hospital ID 2: _____ **Hospital ID 7:** _____

Hospital ID 3: _____ **Hospital ID 8:** _____

Hospital ID 4: _____ **Hospital ID 9:** _____

Hospital ID 5: _____ **Hospital ID 10:** _____

End of survey. Thank you for participating in this survey!