

# Measles Specimen Collection Pathways

## Information Sheet

Issued by the AHS Emergency Coordination Centre (ECC); for more information, contact: [AHS.ECC@ahs.ca](mailto:AHS.ECC@ahs.ca)

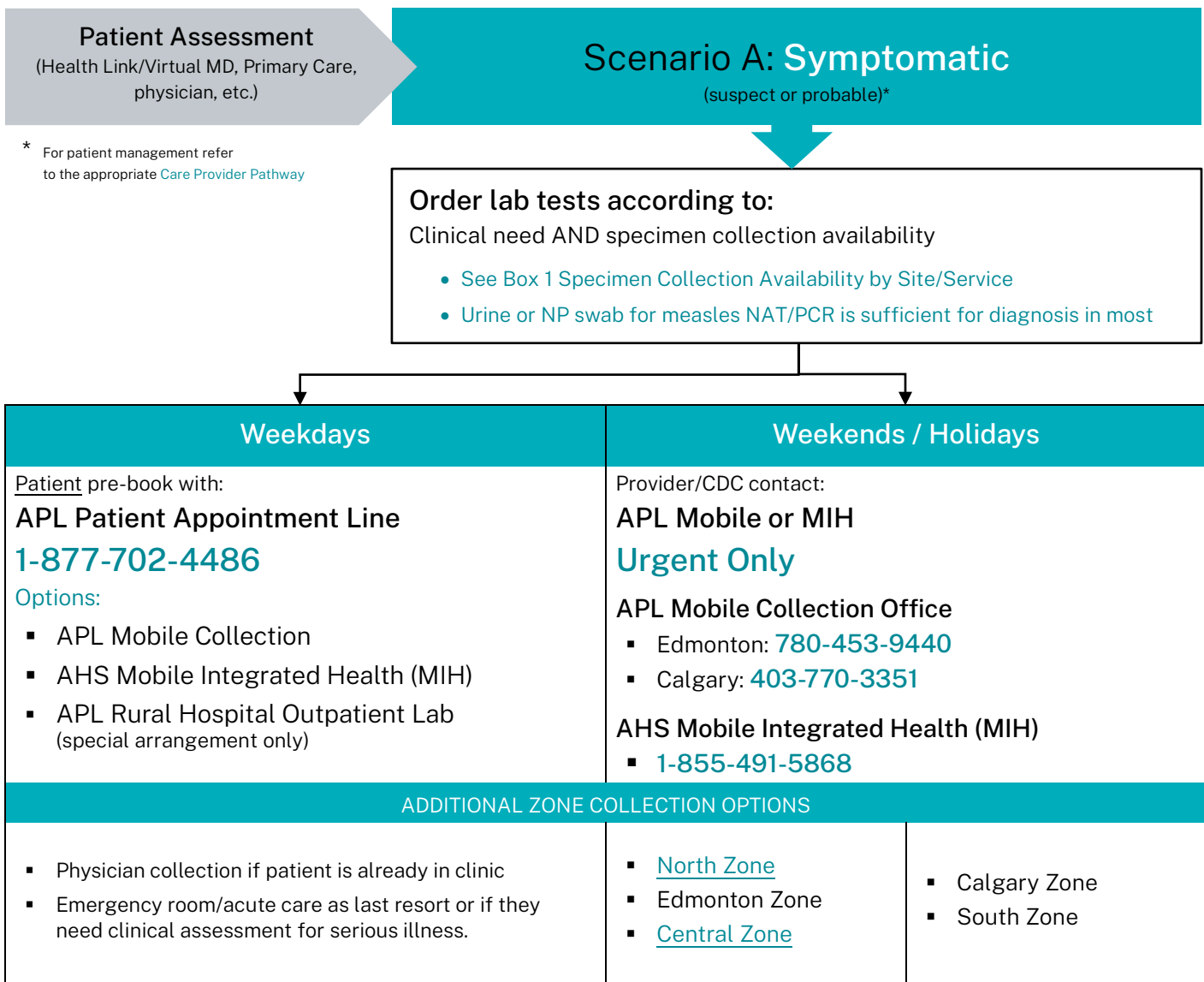
### Introduction

This document provides information for healthcare providers to determine the appropriate pathway for measles specimen collection.

#### Please note:

- The ordering physician is required to follow-up with patients to communicate test results
- While awaiting results, please advise outpatients to isolate at home and ensure inpatients are on airborne precautions.

## Part 1: Symptomatic



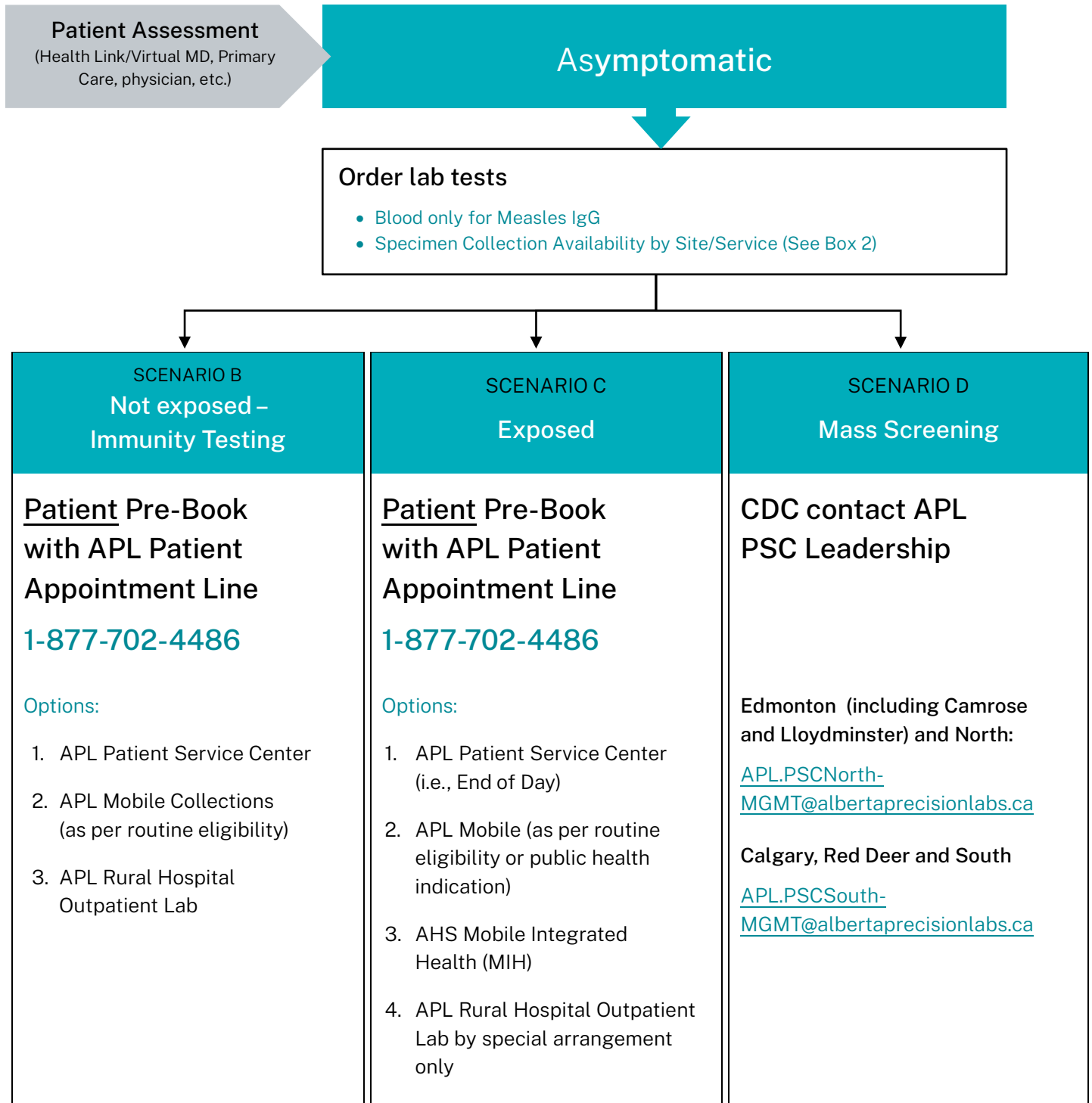
## Part 1: Symptomatic Continued

### Box 1: Specimen Collection Availability by Site/Service

(See [Lab Bulletin](#) for additional details about lab testing)

<b>Public Health Nursing (Home Collection)</b>	<ul style="list-style-type: none"> <li>• NP/throat swab NAT/PCR</li> <li>• Blood for Measles IgM and IgG (depending on PHN ability)</li> </ul>
<b>Physician Collection in Outpatient Clinic</b>	<ul style="list-style-type: none"> <li>• NP/throat swab NAT/PCR</li> </ul>
<b>APL Mobile Collection Service</b>	<p>Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat</p> <ul style="list-style-type: none"> <li>• Blood for Measles IgM and IgG (no age restriction)</li> <li>• Urine for Measles NAT/PCR</li> <li>• NP/throat swab CANNOT be collected</li> </ul>
<b>APL Rural Hospital Outpatient Lab</b>	<p>All Rural Hospitals</p> <ul style="list-style-type: none"> <li>• Urine for Measles NAT/PCR</li> <li>• Blood for Measles IgM and IgG can only be collected by special arrangement with APL/AHS IPC/Facility</li> <li>• NP/throat swab CANNOT be collected</li> </ul>
<b>AHS Mobile Integrated Health (MIH)</b>	<p><u>MIH catchment areas</u></p> <ul style="list-style-type: none"> <li>• ≥ 14 years: Blood for IgM and IgG, Urine and NP/throat swab for Measles NAT</li> <li>• &lt; 14 years: NP/throat swab for Measles NAT/PCR. Blood CANNOT be collected.</li> </ul>

## Part 2: Asymptomatic



## Part 2: Asymptomatic Continued

### Box 2: Specimen Collection Availability by Site/Service

(See [Lab Bulletin](#) for additional details about lab testing)

<b>APL Patient Service Center</b>	<ul style="list-style-type: none"> <li>• Blood for Measles IgG (no age restriction)</li> <li>• NP/throat swab cannot be collected</li> </ul>
<b>APL Mobile Collection Service</b>	<p>Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat</p> <ul style="list-style-type: none"> <li>• Blood for Measles IgG (no age restriction)</li> <li>• NP/throat swab cannot be collected</li> </ul>
<b>APL Rural Hospital Outpatient Lab</b>	<ul style="list-style-type: none"> <li>• Blood for Measles IgG can only be collected by special arrangement with APL/AHS IPC/Facility</li> <li>• NP/throat swab cannot be collected</li> </ul>
<b>AHS Mobile Integrated Health (MIH)</b>	<p><u><a href="#">MIH catchment areas</a></u></p> <ul style="list-style-type: none"> <li>• ≥ 14 years: Blood for Measles IgG</li> <li>• &lt; 14 years: Blood cannot be collected (refer to ordering physician for direction)</li> </ul>

# APL Specimen collection pathway – Measles

(See [Lab Bulletin](#) for additional details about lab testing)

Scenario	How to book / arrange	Service
<b>A. Symptomatic</b> (suspect or probable)	<b>Weekday</b> Patient must Pre-Book with APL Patient Appointment Line <sup>3</sup> <a href="tel:1-877-702-4486">1-877-702-4486</a>	<b>APL mobile collection team<sup>5</sup></b> <ul style="list-style-type: none"> <li>Blood for Measles IgM and IgG (no age restriction)</li> <li>Urine for Measles NAT/PCR</li> <li>NP/throat swab cannot be collected</li> </ul>
	<b>Weekend/Stat</b> Provider/CDC contact APL Mobile or MIH - <b>Urgent only</b>	<b>APL Rural Hospital Outpatient Lab</b> <ul style="list-style-type: none"> <li>Urine for Measles NAT/PCR</li> <li>Blood for Measles IgM and IgG can only be collected by <b>special arrangement</b> with APL/AHS IPC/Facility</li> <li>NP/throat swab CANNOT be collected</li> </ul>
	<b>Mobile Collections Office<sup>4</sup></b> Edmonton: <a href="tel:780-453-9440">780-453-9440</a> Calgary: <a href="tel:403-770-3351">403-770-3351</a>	<b>AHS Mobile Integrated Health (MIH)</b> (see <a href="#">MIH catchment areas</a> ) <ul style="list-style-type: none"> <li>≥ 14 years: Blood for IgM and IgG, Urine and NP/throat swab Measle NAT</li> <li>&lt; 14 years: NP/throat swab for Measles NAT/PCR. Blood cannot be collected</li> </ul>
	<b>AHS Mobile Integrated Health</b> <a href="tel:1-855-491-5868">1-855-491-5868</a>	
<b>B. Immunity testing</b>	Patient must Pre-Book with APL Patient Appointment Line <sup>3</sup> <a href="tel:1-877-702-4486">1-877-702-4486</a>	<b>APL Patient Service Center<sup>5</sup></b> <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul>
	Walk-ins are discouraged	<b>APL mobile collection team<sup>5</sup></b> (as per routine eligibility) <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul> <b>APL Rural Hospital Outpatient Lab</b> <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul>
<b>C. Asymptomatic exposed</b> (regardless of time from exposure)	APL appointment line <sup>3</sup> <a href="tel:1-877-702-4486">1-877-702-4486</a>	<b>APL Patient Service Center<sup>5</sup></b> (end of day appointment) <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul>
		<b>APL mobile collection team<sup>5</sup></b> (as per routine eligibility or public health indication) <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul> <b>APL Rural Hospital Outpatient Lab</b> <ul style="list-style-type: none"> <li>Blood for Measles IgG can only be collected by <b>special arrangement</b> with APL/AHS IPC/Facility</li> </ul> <b>AHS Mobile Integrated Health (MIH)</b> (see <a href="#">MIH catchment areas</a> ) <ul style="list-style-type: none"> <li>≥ 14 years: Blood for Measles IgG</li> <li>&lt; 14 years: Blood cannot be collected (refer to ordering physician for direction)</li> </ul>
<b>D. Asymptomatic exposed – mass screening / “measles clinic”</b>	CDC contacts APL PSC Leadership (not patients)	<b>APL Patient Service Center<sup>5</sup></b> <ul style="list-style-type: none"> <li>Blood for Measles IgG (no age restriction)</li> </ul>
	Edmonton (including Camrose and Lloydminster) and North: Email: <a href="mailto:APL.PSCNorth-MGMT@albertaprecisionlabs.ca">APL.PSCNorth-MGMT@albertaprecisionlabs.ca</a>  Calgary, Red Deer and South: Email: <a href="mailto:APL.PSCSouth-MGMT@albertaprecisionlabs.ca">APL.PSCSouth-MGMT@albertaprecisionlabs.ca</a>	<b>APL Rural Hospital Outpatient Lab</b> <ul style="list-style-type: none"> <li>Blood for Measles IgG can only be collected by <b>special arrangement</b> with APL/AHS IPC/Facility</li> </ul>

**Notes**

1. APL can only collect blood and urine samples
2. No age restriction for collection of samples

3. APL Appointment Line hours: Monday to Friday 7 a.m. to 5 p.m. Closed Saturday, Sunday, and statutory holidays
4. Mobile Collection Office Saturday, Sunday and stat holiday hours: 7 a.m. to 3 p.m.

5. Communities served by APL PSC / Mobile Collections: Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat