

 INSTRUCTIONS Confidential when completed Report probable and confirmed cases of invasive group A Streptococcal disease to your MHO Enter probable and confirmed cases into Panorama or PARIS Fax or e-mail pages1-3 of this case report form to 604-707-2515 or VPD.epi@bccdc.ca Case definitions are on page 4 							Panorama Data Entry Guidance More details in Section M, page 5.	
PERSON REPORTING								Review /update using
Health Authority: ☐ FHA ☐ F	NHA	□ IHA	1 🗆	NHA	□ VCH] VIHA	the links on the top right hand corner: >My Account
Name:		Phone Nu	ımber: ()	-	ex	d.	>>User Profile If entering data on behalf of someone
Email:		Fax Number () - ext.				ď.	else, record in >Notes when the investigation is in context.	
		Date case report form completed:						
A. CLIENT PERSONAL INFORMAT	ΓΙΟΝ							
Name:	Fi	irst			Mido	lle		Record or review and update in
Date of Birth:	Gender:	☐ Male	☐ Female		Undifferentiated	I □ Unkno	wn	>Subject >>Client Details >>>Personal
Health Card Number:			Alternate I	Name(s	s):			Information
Phone Number (home/work/mobile): ()		-		ext.			Select this address as "Client Home Address
Address: Unit # Street #		Si	reet Name			City		at Time of Initial Investigation" in >Investigation >>Investigation
Postal Code: Provin	nce:		Country of Residence (if not Canada):					Details >>Investigation
							Information	
B. RISK FACTORS								
Risk Factor		Y	es N	lo	Asked but Unknown	Declined to Answer	Not Assessed	
Chronic cardiac condition								December 1
Diabetes		Г] [Record in >Subject >> Risk Factors
Chronic respiratory/pulmonary condition		Г						If the investigation is
Homeless/under-housed		Ε						in context, the preset list of risk factors
Immunosuppressive condition, specify:		Ε						specific to iGAS will display, and selected
Alcoholism								risk factors will be set as pertinent to the
Injection drug use		Г						investigation.
Other risk factor, specify:		Г] [

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						Panorama Data Entry Guidance
C. LABORATORY INFORMATION						
Specimen Collected	Collection Date (YYYY/MM/DD)		F	Result		Receive through E- Lab inbox or record in
□ Blood		☐ Posi	tive \square	Negative	☐ Pending	>Investigation >>Lab
□ CSF		☐ Posi	tive \square	Negative	☐ Pending	>>>Lab Quick Entry Attach histopathology
☐ Joint fluid		☐ Posi	tive \square	Negative	☐ Pending	reports in >Investigation
☐ Deep tissue*, specify:		☐ Posi	tive \square	Negative	☐ Pending	>>Investigation Details >>>Links &
☐ Other*, <i>specify:</i>		☐ Posi	tive \square	Negative	☐ Pending	Attachments Record Causative
* A histopathology report should be enclosed if the source of the specimen was not clearly a sterile site (blood, CSF, or joint fluid).						
Streptococcus pyogenes further characterization:						- >>Investigation Details >>>Disease Summary
emm: T: 		SOF:	☐ Positive	☐ Negative		Record T-type and SOF in Causative Agent Further Differentiation field.
D. PHYSICIAN						
Physician Name:						Optional: Record in
Last		First		.4		>Investigation >>Investigation
Physician Phone: ()	-		ex	xt.		Details
			_	-		>>>External Sources
E. CLINICAL PRESENTATION						
Onset of symptoms:	1					
Onset of symptoms: // //// / MM	DD		Askad hut	Declined to	Not	
Onset of symptoms:	•	No No	Asked but Unknown	Declined to Answer	Not Assessed	
Onset of symptoms: // //// / MM	DD	No 🗆				>>>External Sources Record in Investigation Signs and
Onset of symptoms: / / / / / / / / / / / / / / / / / / /	Yes		Unknown	Answer	Assessed	>>>External Sources Record in >Investigation >>Signs and Symptoms
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	>>>External Sources Record in >Investigation >>Signs and Symptoms Select "Set as Onset" and record onset date
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	>>>External Sources Record in >Investigation >>Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	Record in Investigation Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease.
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	Record in Investigation Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease. If infant affected in puerperal case,
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	Record in Investigation Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease. If infant affected in puerperal case, record in Transmission Event
Onset of symptoms: YYYYY	Yes		Unknown	Answer	Assessed	- Record in - Investigation -> Signs and Symptoms - Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease. If infant affected in puerperal case, record in
Onset of symptoms: YYYYY MM	Yes		Unknown	Answer	Assessed	Record in Investigation Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease. If infant affected in puerperal case, record in Transmission Event Quick Entry and link to case investigation
Onset of symptoms: YYYYY	Yes Unknown		Unknown	Answer	Assessed	Record in Investigation Signs and Symptoms Select "Set as Onset" and record onset date of the first symptom indicative of invasive group A Streptococcal disease. If infant affected in puerperal case, record in Transmission Event Quick Entry and link to case investigation

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						Panorama Data Entry Guidance
F. HOSPITALIZATION						
Admitted to hospital:	☐ Yes	□ No □	Unknown	If yes, hospital name:		
Admission date:		Discharge da	ate:			
Admitted to an intensive care unit:	M/DD □ Yes	□ No □	yy ∃ Unknown	YY/MM/DD		Record in
Surgical Intervention:	☐ Yes	□ No □	☐ Unknown			>Investigation >>Investigation Details
G. PREDISPOSING CONDITION	NS					>>>Links & Attachments
Chickenpox in the last 30 days	☐ Yes	□ No	☐ Unknow	wn		>>>(iGAS) Invasive Group A
Skin infection	□ Yes	□ No	☐ Unknow	wn		Streptococcal Investigation Form
Wound	□ Yes	□ No	☐ Unknow	wn		
Specify type of wound:	☐ Surgica	I □ Traum	na □ Burn			
H. EXPOSURES	Ü					
Hospital acquired infection:	☐ Yes	s 🗆 No	☐ Unknown	If yes, specify hospit	al name, type and location.	
Details:						
						Record in >Investigation
Attends child care, school or universi	ty: 🗆 Ye	s 🗆 No	☐ Unknown		ol name, type and location.	>>Exposure Summary
Lives in communal setting:	☐ Ye	s □ No	☐ Unknown	If yes, facility name	, type and location.	as an Acquisition Event (Section M)
Specify facility/school name, type and	d location: _					
I. OUTCOME AT TIME OF RE	PORTING					
☐ Fully Recovered ☐ Not	yet recovere	d/recovering	☐ Fatal I	f died, date of death:)000//M//DD	Record in
УҮҮҮ/ММ/DD ☐ Other, <i>specify below</i> ☐ Unknown ☐ Permanent disability, <i>specify below</i>				>Investigation >> Outcomes		
Specify other outcome / permanent of						(Section M)
						Record/Update in
☐ Confirmed		obable		☐ Suspect		>Investigation >>Investigation
☐ Person Under Investigation	□ No	t a Case		☐ Out of Prov	rince	Details >>>Disease
See page 4 for case definitions.						Summary
K. NOTES						
						Record in
						>Notes
						In order to have the note linked to the investigation, ensure the investigation is in context when creating the note.

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L. CASE DEFINI	TIONS	
Invasive Group	A Streptococcal Disease	Reportable?
Confirmed case	Laboratory confirmation of infection with or without clinical evidence* of invasive disease:	Yes
	 isolation of group A streptococcus (Streptococcus pyogenes) from a normally sterile site (blood, CSF, pleural fluid, pericardial fluid, peritoneal fluid, deep tissue specimen taken during surgery [e.g. muscle collected during debridement for necrotizing fasciitis], bone or joint fluid excluding the middle ear and superficial wound aspirates [e.g. skin and soft tissue abscesses]). 	
	When fetal demise occurs in association with puerperal infection, isolation of group A streptococcus from the placenta, amniotic fluid and/or endometrium is also considered confirmatory for both the mother and fetus.	
Probable case	Clinical evidence* of invasive disease in the absence of another identified aetiology and with non-confirmatory laboratory evidence of infection:	Yes
	 isolation of group A streptococcus from a non-sterile site (non-sterile sites include: throat, sputum, bronchoalveolar lavage (BAL), vagina, superficial skin lesion, middle ear, or superficial abscess or wound specimens (e.g., aspirate or from incision and drainage)) OR positive group A streptococcus antigen detection 	
Suspect case		No
Person under investigation	These are general classifications of cases included in the Panorama user interface. Cases that fall into these classifications are not reportable. Refer to Panorama documentation for definitions.	
Not a case		
Out of province	Out of province cases should be notified to the BC Centre for Disease Control by to enable reporting to their home jurisdiction: • By phone if immediate public health follow-up may be warranted • Weekdays - 604-707-2519 (Immunization and Vaccine Preventable Diseases Service) • Evenings and weekends - 604-312-9220 (nurse/physician on call) • By fax (604-707-2515) or e-mail (vpd.epi@bccdc.ca) if immediate action is not required	

- * Clinical evidence of invasive disease may be manifested as one or more of several conditions indicative of severe disease:
 - streptococcal toxic shock syndrome
 - soft-tissue necrosis, including necrotizing fasciitis, myositis or gangrene
 - meningitis
 - fetal death and clinical evidence of maternal illness compatible with invasive group A streptococcal disease
 - death caused by iGAS

Notes regarding GAS pneumonia:

- Report GAS pneumonia in Panorama/PARIS as a confirmed case only when the isolate is from a sterile site (e.g. aspiration from an empyema, blood culture).
- Providing no other cause has been identified, report GAS pneumonia in Panorama/PARIS as a probable case when the isolate is from sputum or a bronchoalveolar lavage (BAL), as sputum and BAL are not considered sterile site specimens.
- When the GAS isolate is from sputum or a BAL, regard GAS pneumonia as a form of severe invasive disease for the purposes of public health management

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M. PANORAMA DATA ENTRY DETAILS

If the *infant is affected in a puerperal case*, create a Transmission Event for the mother on the Exposure Summary screen (under Investigation on the left hand navigation) using the Transmission Event Quick Entry section.

Exposure Name: XXX-Vertical Transmission where XXX is the Health Authority identifier (FNHA, IHA, VIHA, FHA, or NHA)

Exposure Start: Infant's date of birth Location Name: same as Exposure Name Setting Type: Vertical transmission/congenital

Create a case investigation for the infant, with the infant's Acquisition Event linking to the mother's Transmission Event.

Training Materials (https://panoramacst.gov.bc.ca): Exposures-Reference Guide-Investigations

System Guidelines (https://panoramacst.gov.bc.ca): Congenital/Neonatal/Vertical Transmission-Data Capture Guideline - Investigations, Exposures-Data Capture Guideline-Investigations

If the infection was *acquired in hospital*, create an Acquisition Event on the Exposure Summary screen (under Investigation in the left hand navigation) using the Create Acquisition Event button to get to the Maintain Acquisition Event Details screen.

Exposure Name: XXX-Nosocomial where XXX is the Health Authority identifier (FNHA, IHA, VIHA, FHA, or NHA)

Potential Mode of Acquisition: Airborne/droplet

Nature of Exposure: Nosocomial

Exposure Start: Admission date/date visited hospital or 7 days prior to onset of symptoms (select the most recent)

Exposure Location Name: same as Exposure Name Exposure Setting Type: Facility - non-recreational

Exposure Setting: Hospital

Training Materials (https://panoramacst.gov.bc.ca): <u>Exposures-Reference Guide-Investigations</u> System Guidelines (<u>https://panoramacst.gov.bc.ca</u>): <u>Exposures-Data Capture Guideline-Investigations</u>

If the case *lives in a communal setting or attends child care, school or university*, and follow-up of contacts from these settings is required, create a Transmission Event on the Exposure Summary Screen (under Investigation in the left hand navigation) using the Create Transmission Event button to get to the Maintain Transmission Event Details screen.

Exposure Name: XXX-NameOfFacility-[DiseaseName] where XXX is the Health Authority identifier (FNHA, IHA, VIHA, FHA, or NHA)

Exposure Start: 7 days prior to onset of symptoms Exposure Location Name: same as Exposure Name

Exposure Setting Type: "Facility – non-recreational" or "Congregate/communal living settings" Exposure Setting: most appropriate selection based on list filtered by Exposure Setting Type

Address: fill in details for facility

When required, create investigations for *close contacts* of *severe* iGAS cases (refer to <u>Communicable Disease Control Manual</u>). Contacts can be created as indeterminate clients until all required personal identifiers are known.

Training Materials (https://panoramacst.gov.bc.ca): Exposures-Reference Guide-Investigations, Maintain Client-Quick Steps-Shared Services System Guidelines (https://panoramacst.gov.bc.ca): Exposures-Data Capture Guideline-Investigations

Data Standards (https://panoramacst.gov.bc.ca): Client Identification-Data Standard-Shared Services

If the outcome is fatal, record as follows.

Outcome: Fatal

Outcome Date: Date of death (if known) or date at which user found out about fatal outcome (if date of death unknown)

Cause of Death: Select most appropriate response

After recording the outcome, inactivate the client in the Personal Information screen (under Subject > Client Details on the left hand navigation) following routine procedures/standards.

Note: If the outcome is not fatal, the outcome date is the date public health was made aware of the outcome.

NOTE: Additional relevant training materials and data standards are available on the Panorama Solution Partner Portal (https://panoramacst.gov.bc.ca).

www.bccdc.ca

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