

Case Investigation Form Coronavirus Disease (COVID-19) Version 8 Area: Case Number: HRN:



- 1) The Case Investigation Form (CIF) is meant to be administered as an interview by a health care worker or any personnel of the DRU. This is not a self-administered questionnaire.
- 2) Please be advised that DRUs are only allowed to obtain **1 copy of accomplished CIF** from a patient.
- 3) Please fill out all blanks and put a check mark on the appropriate box. Never leave an item blank (write N/A). Items with * are required fields. All dates must be in MM/DD/YYYY format.

| Disease Reporting Unit* | | | | DRU Region and Province | | PhilHealth No.* | | | | | | | | |
|--|--------|-------------------|--------------------------|--|--|---------------------------------|---|--------------------|----------|---------|--|--|--|--|
| | | | | | | | | | | | | | | |
| Name of Interviewer | | | | Contact Number of Intervie | ewer | Date of Interview (MM/DD/YYYY)* | | | | | | | | |
| Name of Informant (if app | licab | ıle) | | Relationship | | Contact Number of Informant | | | | | | | | |
| rame or mormane (ny app | | , | | Heldelonomp | | COTTUCE TO | | | | | | | | |
| 16 | | | able (New case) | · | date outcome | ☐ Update disposition | | | | | | | | |
| • | | Not applicate syl | able (Unknown) mptoms | | date case classification date lab result | | Update ex Others, sp | oposure / travel h | story | | | | | |
| (5.1.5.511 5.11 5.11 5.17 5.17 7.77 | | Update he | • | | date chest imaging findings | | | | | _ | | | | |
| Type of Client | | | | , Probable, or Confirmed) | ☐ Close Contact | | | g (Not a Case of | | ontact) | | | | |
| Testing Category/Subgroup | (Che | ck all that a | pply, refer to Ap | opendix 2) 🔲 A 🗆 | B | E 🗆 F | □ G | □н□ | <u> </u> | | | | | |
| Part 1. Patient Informatio | n | | | | | | | | | | | | | |
| 1.1. Patient Profile | • | | | | | | | | | | | | | |
| Last Name* | | | | First Name (and Suffix)* | | Middle Name* | | | | | | | | |
| Birthday (MM/DD/YYYY)* | | | | Age* | | Sex* | ☐ Male ☐ Female | | | | | | | |
| Civil Status | | | | Nationality* | | I | | | | | | | | |
| Occupation | | | | Works in a closed setting? | ☐ Yes | ☐ No ☐ Unknown | | | | | | | | |
| 1.2. Current Address in the Philippines and Contact Information* (Provide address of institution if patient lives in closed settings, see 1.5) | | | | | | | | | | | | | | |
| House No./Lot/Bldg.* | | | Street/Purol | <td>Barangay*</td> <td></td> <td>Municipa</td> <td>lity/City*</td> <td></td> <td></td> | Barangay* | | Municipa | lity/City* | | | | | | |
| | | | | | | | | | | | | | | |
| Province* | | | Home Phone | e No. (& Area Code) | Cellphone No.* | | Email Add | dress | | | | | | |
| 1.2 Dormanant Ad | ldroc | s and Cont | est Information | a lif different from current a | ddrass | | | | | | | | | |
| 1.3. Permanent Address and Contact Info House No./Lot/Bldg. Stree | | | Street/Purol | | Barangay | | Municipality/City | | | | | | | |
| | | | | 7 | | | | ,, | | | | | | |
| Province | | | Home Phone | e No. (& Area Code) | Cellphone No. | | Email Address | | | | | | | |
| | | | | | | | | | | | | | | |
| 1.4. Current Workplace Address and | | | | ormation | | | Municipality/City | | | | | | | |
| Lot/Bldg. | | | Street | | Barangay | Municipality/City | | | | | | | | |
| Province | | | Name of Wo | rkplace | Phone No./Cellphone No. | Email Add | dress | | | | | | | |
| | | | | | | | | | | | | | | |
| | ition | • | | on exposure and travel histor | ry in Part 3) | | | | | | | | | |
| Health Care Worker* | ☐ Yes, | | | | | No | | | | | | | | |
| Returning Overseas Filipin | | | Country of ori | | and OFW: OF | | | | | | | | | |
| , , , | | | | | | | | No | | | | | | |
| APOR / Local Traveler* | ٠, | | | Locally Stranded Individual Authorized Person Outside Residence / Local Traveler | | | | | | | | | | |
| Lives in Closed Settings* | | ☐ Yes, | specify institu | pecify institution type: and name: _ No | | | | | | | | | | |
| | | | | | nunities, care homes, camps, etc. |) | | | | | | | | |
| Indigenous Person* ☐ Yes, specify group: ☐ No | | | | | | | | | | | | | | |
| Part 2. Case Investigation | Deta | ails | | | | | | | | | | | | |
| 2.1. Consultation I | nfori | mation | | | | | | | | | | | | |
| Have previous COVID-19 re | | | | Yes, Date of First Consult | (MM/DD/YYYY)* | | | | No | | | | | |
| Name of facility where firs | | | | 61 11/2 1 12 1 | (11:.) | | | | | | | | | |
| Admitted in hospital | | e of Keport | r (Provide nam | ne of hospital/isolation/quar | antine facility) Date and Time admitted in ho | snital | | | | | | | | |
| ☐ Admitted in isolation | | arantine fac | ility | | Date and Time isolated/quara | | | | | | | | | |
| ☐ In home isolation/qu | | | , | | Date and Time isolated/quara | antined at home | | | | | | | | |
| □ Discharged to home If discharged: Date of Discharge (MM/DD/YYYY)* □ Others: □ | | | | | | | | | | | | | | |
| 2.3. Health Status | | | | , | | oderate | Severe | | Critical | | | | | |
| 2.4. Case Classifica | | | ppendix 1) | ☐ Suspect | ☐ Probable ☐ Co | nfirmed | □ Non-C | OVID-19 Case | | | | | | |
| 2.5. Clinical Information Date of Onset of Illness (MM/DD/YYYY)* | | | | | | | | | | | | | | |
| Signs and Symptoms (Check all that apply) Comorbidities (Check all that apply if present) | | | | | | | | | | | | | | |
| ☐ Asymptomatic ☐ Dyspnea | | | | | □ None | | ☐ Gas | trointestinal | | | | | | |
| ☐ Fever°C ☐ Anorexia | | | | | ☐ Hypertension | | ☐ Genito-urinary | | | | | | | |
| ☐ Cough☐ General weakness | · · | | | | ☐ Diabetes☐ Heart Disease | | ☐ Neurological Disease☐ Cancer | | | | | | | |
| ☐ Fatigue | _ | | | | ☐ Lung Disease | Others | | | | | | | | |
| ☐ Headache | | | Mental Status | / | Pregnant? | Yes, LMP (MM/ | DD/YYYY) _ | | | No | | | | |
| ☐ Myalgia☐ Sore throat | | | | w/o any identified cause) v/o any identified cause) | High-risk pregnancy? □ | Yes | | | | No | | | | |
| ☐ Corvza | | | | ., a any lacritimea cause, | Was diagnosed to have Severe | Acute Respirator | y Illness? | ☐ Yes | | No | | | | |

| Chest imaging findings suggestive of COVID-19 | | | | | | | | | | | | | | | | | | |
|--|---|-----------|------------------------|------------------|-----------------|-------------------------|---|--------|-----------------------|----------------------------|----------------|------------|--------------------------|------------------------------|----------|--------|---------|--|
| Date done Imaging done Results | | | | | | | | | | | | | | | | | | |
| Chest radiography Normal Chest radiography: Hazy opacities, often rounded in morphology, with peripheral and lower lung dist. | | | | | | | | | | | | | | | | | | |
| 1 | ☐ Chest CT ☐ Pending ☐ Chest CT: Multiple bilateral ground glass opacities, often rounded in morphology, w/ peripheral & lower lung dist. | | | | | | | | | | dist | | | | | | | |
| | ☐ Lung ultras | | | | | | | | | | | uist. | | | | | | |
| 1 | □ None □ Other findings, specify | | | | | | | | | | | | | | | | | |
| 26.1 | | | | | 11163, 300 | | | | | | | | | | | | | |
| | aboratory Inform | | a data af an asima | n Callantian (A) | 14 4 / D.D. / \ | 200/1* | | | | | | | | | | | | |
| Have tested p | _ | | s, date of specime | n Collection (IV | ΙΝΙ/υυ/Υ | YYY)* | | | | , | | | | |) | | | |
| RT-PCR before | | | boratory* | | | | | | No. (| of prev | ious RT-P0 | R swab | | | | | | |
| Date collected* Date released Laboratory* Type of t | | | | | | | | _ | | | | | Resu | | | | | |
| | | | | | | | | | | est; Provide reason below: | | | ☐ Pending ☐ ☐ Positive ☐ | | | gative | | |
| | | | | | | -PCR (NPS) | l NIDC) | | A 4: la al | | | | | | | | uivocal | |
| | | | | | | -PCR (OPS | and NPS) | | Antibody | test | | | | Others: | | | | |
| | | | | | | hers: | | | A 4: 4- | D | | | | D1! | _ | NI- | | |
| | | | | | | -PCR (OPS) | | ш | Antigen te | est; Pro | vide reaso | n below: | | Pending | | | gative | |
| | | | | | | -PCR (NPS) -PCR (OPS | and NDS) | | Antibody | tost | | _ | | Positive | | Equ | uivocal | |
| | | | | | | hers: | and NF3) | ш | Antibody | ıesı | | | | Others: | | | | |
| 27 0 | utcome/Condit | on at Ti | ima of Bonort* | | _ 011 | 1013. | | | | | | | | | | | | |
| | | | • | ¬ | | | | | | | ¬ - · · · | | .1 4 | | | | | |
| ☐ Active (currently admitted/isolation/quarantine) ☐ Recovered, date of recovery (MM/DD/YYYY)* ☐ ☐ Died, date of death (MM/DD/YYYY)* ☐ ☐ | | | | | | | | | | | | | | | | | | |
| If died, Immediate Cause: Antecedent Cause: | | | | | | | | | | | | | | | | | | |
| cause of death* Underlying Cause: | | | | | | | | С | ontributory | Cond | itions: | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| PART 3. Contact Tracing: Exposure and Travel History | | | | | | | | | | | | | | | | | | |
| | | | le and/or confirme | ed COVID-19 ca | ase 14 d | ays before | the onset | : Tr | ☐ Yes, d | ate of | last contac | t (MM/ | DD/YYYY) | * | | | | |
| , , | | • | tomatic, 14 days b | | | • | | | □ No | | | | Jnknown | | | _ | | |
| _ | | | known COVID-19 | | | | | _ | Yes, Ir | terna | tional | | es, Local | | | | | |
| | | | natic, 14 days befo | | , | | | | □ les, ii □ No | ittiia | lionai | | • | exposure | | | | |
| | • | ympton | natic, 14 days bere | | | el dates: | .1011; | _ L | INU | | F===== | | JIIKIIUWII | | | | | |
| If Internation | , | | | | | | • | | | | From: | | | To: | | | | |
| country of ori | | | T-1. 1. 1 | | ongoing | | | | ransmission | | □ Yes | 1_ | | □ No | | | | |
| Airline/Sea ve | essel | | Flight/Vessel Nu | ımber | | | Date of de | part | ure (MM/DI | D/YYYY |) | Date o | of arrival | in PH <i>(MM)</i> | DD/YY | YY) | | |
| | | | | | | | | | | | | | | | | | | |
| If Local Travel | l, specify travel բ | laces (C | Check all that apply | ı, provide nam | e of faci | lity, addre | ss, and inc | lusiv | e travel dat | es in N | 1M/DD/YY | Y) | | | | | | |
| Dlace Visited | | | Name of Di | 260 | | | Address Inclusive Travel Dates With ong | | | | | | | going | COV | ID-19 | | |
| Place Visited | | | Name of Pla | ace | (Re | gion, Prov | ince, Mun | icipa | lity/City) | From: To: | | | | Community Transmiss | | | | |
| ☐ Health F | acility | | | | | | | | | | | | | ☐ Yes | | | No | |
| ☐ Closed S | ettings | | | | | | | | | | | | | ☐ Yes | | | No | |
| ☐ School | U - | | | | | | | | | | | | | ☐ Yes | | | No | |
| ☐ Workpla | 100 | | | | | | | | | | | | | ☐ Yes | | | No | |
| ☐ Market | | | | | - | | | | | | | | | ☐ Yes | | | No | |
| | | | - | | | | | | | | | | | | | | | |
| ☐ Social Gathering | | | | | | | | | | | | | | ☐ Yes | | | No | |
| ☐ Others | | | | | | | | | | | | | | ☐ Yes | | | No | |
| | ort Service, spec | | | | | | | | | | | | | | | | | |
| Airline / Sea vessel / Bus line / Train Flight / Vessel / Bus No. Place of Origin | | | | | | | in Departure Date (MM/DD/YYYY) Destination | | | | | | | Date of Arrival (MM/DD/YYYY) | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| - If symptoma | itic, provide nan | es and | contact numbers of | of persons who |) Na | me (Use t | he back po | ige if | f needed) | | | (| Contact N | lumber | | | | |
| | | | | • | | | | | | | | | | | _ | | | |
| were with the patient two days prior to onset of illness until this date - If asymptomatic, provide names and contact numbers of persons who | | | | | | | | | | | | | | | | | | |
| , , | · · | | cimen was submit | • | | | | | | | | | | | | | | |
| until this date | • | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | ı | | | | | | |
| Appendix 1. CO | VID-19 Case Defi | nitions | | | | | | | | | | | | | | | | |
| | | | SPECT | | | | | | | | PROBAB | LE | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | inical Al | ND epidemiological | criteria | | | | | ets the clinic | | | | | | | | | |
| - Clinical criteria: | | | | | | | | | epidemiolo | | | cluster | of cases v | vhich had ha | ıd at le | east o | ne | |
| 1) Acute onset of fever AND cough OR | | | | | | | | | d within tha | | | | | | _ | | | |
| 2) Acute onset of ANY THREE OR MORE of the following signs or | | | | | | | B) A suspect case (on the left) with chest imaging showing findings suggestive of COVID-19 | | | | | | | | | | | |
| symptoms; fever, cough, general weakness/fatigue, headache, | | | | | | | | | est imaging f | _ | | | | | | | | |
| myalgia, sore throat, coryza, dyspnea, anorexia / nausea/ vomiting, diarrhea, altered mental status. AND - Epidemiological criteria 1) Residing/working in an area with high risk of transmission of the virus | | | | | | | | | hy: hazy opa | icities, | often roun | ded in m | orpholog | y, with peri | heral | and I | ower | |
| | | | | | | | lung distrib | | | | | 6. | | | | | | |
| | | | | | | | | | ole bilateral g | | - | ities, oft | en rounde | ea in morph | Slogy, | with | | |
| | | | | | | | | | ower lung di | | | oo / 1: | ifaa-! !! | arate - | £1 | -1 | | |
| | | | | | | | - | | l: thickened | | | • | | crete, or cor | itiueni | ι), | | |
| (e.g closed residential settings and humanitarian settings, such as | | | | | | | | | tterns with | | | _ | | | n +4- | a be a | of | |
| camp and camp-like setting for displaced persons), any time w/in the 14 days prior to symptoms onset OR | | | | | | | C) A person with recent onset of anosmia (loss of smell), ageusia (loss of taste) in the absence of | | | | | | | | | | | |
| | any other identified cause D) Death not otherwise explained in an adult with respiratory distress preceding death AND | | | | | | | | | | | | | | | | | |
| Residing in or travel to an area with community transmission anytime w/in the 14 days prior to symptoms onset; OR | | | | | | | D) Death, not otherwise explained, in an adult with respiratory distress preceding death AND who was a contact of a probable or confirmed case or epidemiologically linked to a cluster | | | | | | | | | | | |
| w/in the 14 days prior to symptoms onset; OR 3) Working in health setting, including w/in the health facilities and w/in | | | | | | | who was a contact of a probable or confirmed case or epidemiologically linked to a cluster which has had at least one confirmed case identified with that cluster | | | | | | | | | | | |
| households, anytime w/in the 14 days prior to symptom onset; OR | | | | | | | | | | | | | | | | | | |
| | ,, | , | , | , , 3500 | | | | | | | CONFIRM | 1ED | | | | | | |
| B) A patient | with severe acut | e respira | atory illness (SARI: a | acute respirator | У | | | | | | | | | | | | | |
| infection with history of fever or measured fever of ≥ 38°C; cough with A person with laboratory confirmation of COVID-19 infection, | | | | | | | | | | | | | | | | | | |
| onset w/in the last 10 days; and who requires hospitalization) | | | | | | | | | irrespe | ctive o | f clinical sig | gns and s | symptoms | i. | | | | |

Appendix 2. Testing Category / Subgroup

- A Individuals with severe/critical symptoms and relevant history of travel/contact
- B Individuals with mild symptoms, relevant history of travel/contact, and considered vulnerable; vulnerable populations include those elderly and with preexisting medical conditions that predispose them to severe presentation and complications of COVID-19
- C Individuals with mild symptoms, and relevant history of travel and/or contact
- D Individuals with no symptoms but with relevant history of travel and/or contact or high risk of exposure. These include:
- D1 Contact-traced individuals
- D2 Healthcare workers, who shall be prioritized for regular testing in order to ensure the stability of our healthcare system
- D3 Returning Overseas Filipino (ROF) workers, who shall immediately be tested at port of entry
- Filipino citizens in a specific locality within the Philippines who have expressed
 intention to return to their place of residence/home origin (Locally Stranded Individuals) may be tested subject to the existing protocols of the IATF
- E Frontliners indirectly involved in health care provision in the response against COVID-19 may be tested as follows:
- Those with high or direct exposure to COVID-19 regardless of location may be tested up to once a week. These include: (1) Personnel manning the Temporary Treatment and Quarantine Facilities (LGU and Nationally-managed); (2) Personnel serving at the COVID-19 swabbing center; (3) Contact tracing personnel; and (4) Any personnel conducting swabbing for COVID-19 testing
- Those who do not have high or direct exposure to COVID-19 but who live or work in Special Concern Areas may be tested up to every two to four weeks. These include the following: (1) Personnel manning Quarantine Control Points, including those from Armed Forces of the Philippines, Bureau of Fire Protection; (2) National / Regional / Local Risk Reduction and Management Teams; (3) Officials from any local government / city / municipality health office (CEDSU, CESU, etc.); (4) Barangay Health Emergency Response Teams and barangay officials providing barangay border control and performing COVID-19-related tasks; (5) Personnel of Bureau of Corrections and Bureau of Jail Penology & Management; (6) Personnel manning the One-Stop-Shop in the Management of ROFs; (7) Border control or patrol officers, such as immigration officers and the Philippine Coast Guard; and (8) Social workers providing amelioration and relief assistance to communities and performing COVID-19-related tasks
- F Other vulnerable patients and those living in confined spaces. These include but are not limited to: (1) Pregnant patients who shall be tested during the peripartum period; (2) Dialysis patients; (3) Patients who are immunocompromised, such as those who have HIV/AIDS, inherited diseases that affect the immune system; (4) Patients undergoing chemotherapy or radiotherapy; (5) Patients who will undergo elective surgical procedures with high risk for transmission; (6) Any person who have had organ transplants, or have had bone marrow or stem cell transplant in the past 6 months; (7) Any person who is about to be admitted in enclosed institutions such as jails, penitentiaries, and mental institutions.

- G Residents, occupants or workers in a localized area with an active COVID-19 cluster, as identified and declared by the local chief executive in accordance with existing DOH Guidelines and consistent with the National Task Force Memorandum Circular No. 02 s.2020 or the Operational Guidelines on the Application of the Zoning Containment Strategy in the Localization of the National Action Plan Against COVID-19 Response. The local chief executive shall conduct the necessary testing in order to protect the broader community and critical economic activities and to avoid a declaration of a wider community quarantine.
- H Frontliners in Tourist Zones:
- H1 All workers and employees in the hospitality and tourism sectors in El Nido, Boracay, Coron, Panglao, Siargao and other tourist zones, as identified and declared by the Department of Tourism. These workers and employees may be tested once every four (4) weeks.
- H2 All travelers, whether of domestic or foreign origin, may be tested at least once, at their own expense, prior to entry into any designated tourist zone, as identified and declared by the Department of Tourism.
- I All workers and employees of manufacturing companies and public service providers registered in economic zones located in Special Concern Areas may be tested regularly.

J Economy Workers

- J1 Frontline and Economic Priority Workers, defined as those 1) who work in high priority sectors, both public and private, 2) have high interaction with and exposure to the public, and 3) who live or work in Special Concerns Areas, may be tested every three (3) months. These include but not limited to:
 - **Transport and Logistics**: drivers of taxis, ride hailing services, buses, public transport vehicle, conductors, pilots, flight attendants, flight engineers, rail operators, mechanics, servicemen, delivery staff, water transport workers (ferries, inter-island shipping, ports)
 - **Food Retails**: waiters, waitress, bar attendants, baristas, chefs, cooks, restaurant managers, supervisors
 - **Education**: teachers at all levels of education and other school frontliners such as guidance counselors, librarians, cashiers
 - Financial Services: bank tellers
 - Non-Food Retails: cashiers, stock clerks, retail salespersons
 - **Services:** hairdressers, barbers, manicurists, pedicurists, massage therapists, embalmers, morticians, undertakers, funeral directors, parking lot attendants, security guards, messengers
 - **Construction**: construction workers including carpenters, stonemasons, electricians, painters, foremen, supervisors, civil engineers, structural engineers, construction managers, crane/tower operators, elevator installers, repairmen
 - Water Supply, Sewerage, Waster Management: plumbers, recycling/ reclamation workers, garbage collectors, water/wastewater engineers, janitors, cleaners
 - **Public Sector**: judges, courtroom clerks, staff and security, all national and local government employees rendering frontline services in special concern areas
 - Mass Media: field reporters, photographers, cameramen
- All employees **not covered above are not required to undergo testing but are encouraged to be tested every quarter.** Private sector employers are highly
 encouraged to send their employees for regular testing at the employers' expense
 in order to avoid lockdowns that may do more damage to their companies.

Appendix 3. Severity of the Disease

MILD

Symptomatic patients presenting with fever, cough, fatigue, anorexia, myalgias; other non-specific symptoms such as sore throat, nasal congestion, headache, diarrhea, nausea and vomiting; loss of smell (anosmia) or loss of taste (ageusia) preceding the onset of respiratory symptoms with **NO signs of pneumonia or hypoxia**

MODERATE

- Adolescent or adult with clinical signs of non-severe pneumonia (e.g. fever, cough, dyspnea, respiratory rate (RR) = 21-30 breaths/minute, peripheral capillary oxygen saturation (SpO2) >92% on room air)
- Child with clinical signs of non-severe pneumonia (cough or difficulty of breathing and fast breathing [< 2 months: > 60; 2-11 months: > 50; 1-5 years: > 40] and/or chest indrawing)

SEVERE

- Adolescent or adult with clinical signs of severe pneumonia or severe acute respiratory infection as follows: fever, cough, dyspnea, RR>30 breaths/minute, severe respiratory distress or SpO2 < 92% on room air
- 2. Child with clinical signs of pneumonia (cough or difficulty in breathing) plus at least one of the following:
 - a. Central cyanosis or SpO2 < 90%; severe respiratory distress (e.g. fast breathing, grunting, very severe chest indrawing); general danger sign: inability to breastfeed or drink, lethargy or unconsciousness, or convulsions
 - b. Fast breathing (in breaths/min): < 2 months: > 60; 2-11 months: > 50; 1-5 years: > 40.

CRITICAL

Patients manifesting with acute respiratory distress syndrome, sepsis and/or septic shock:

1. Acute Respiratory Distress Syndrome (ARDS)

a. Patients with onset within 1 week of known clinical insult (pneumonia) or new or worsening respiratory symptoms, progressing infiltrates on chest X-ray or chest CT scan, with respiratory failure not fully explained by cardiac failure or fluid overload

2. Sepsis

- a. Adults with life-threatening organ dysfunction caused by a dysregulated host response to suspected or proven infection. Signs of organ dysfunction include altered mental status, difficult or fast breathing, low oxygen saturation, reduced urine output, fast heart rate, weak pulse, cold extremities or low blood pressure, skin mottling, or laboratory evidence of coagulopathy, thrombocytopenia, acidosis, high lactate or hyperbilirubinemia
- b. Children with suspected or proven infection and > 2 age-based systemic inflammatory response syndrome criteria (abnormal temperature [> 38.5 °C or < 36 °C); tachycardia for age or bradycardia for age if < 1year; tachypnea for age or need for mechanical ventilation; abnormal white blood cell count for age or > 10% bands), of which one must be abnormal temperature or white blood cell count.

3. Septic Shock

- a. Adults with persistent hypotension despite volume resuscitation, requiring vasopressors to maintain MAP > 65 mmHg and serum lactate level >2mmol/L
- b. Children with any hypotension (SBP < Sth centile or > 2 SD below normal for age) or two or three of the following: altered mental status; bradycardia or tachycardia (HR < 90 bpm or > 160 bpm in infants and heart rate < 70 bpm or > 150 bpm in children); prolonged capillary refill (> 2 sec) or weak pulse; fast breathing; mottled or cool skin or petechial or purpuric rash; high lactate; reduced urine output; hyperthermia or hypothermia.