Clinical Examples of Certification of Deaths due to COVID-19

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## Overview of COVID-19- Jamaica

<table>
<thead>
<tr>
<th>Confirmed</th>
<th>Cases per 1M people</th>
<th>Recovered</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>621</td>
<td>226</td>
<td>430</td>
<td>10</td>
</tr>
</tbody>
</table>


2020-06-15
GUIDELINES FOR CERTIFYING COVID-19 AS A CAUSE OF DEATH

• COVID 19 be recorded on the MCCD for all decedents, where the disease caused, or is assumed to have caused, or contributed to death
Mortality Coding of COVID-19 with ICD-10

1. Both categories are suitable for cause of death coding:
   - COVID19 Virus identified – (U07.1)
   - COVID19 Virus not identified – (U07.2).

2. COVID-19 is reported on Medical cause of death certificates as any other cause of death. Hence; the rules for selection of the single underlying cause are the same.

3. For recording on a death certificate:-

   - Potentially contributing comorbidity (immune system problem, chronic diseases...) should be reported in part 2, and other aspects (perinatal, maternal....) in line with the rules for recording.

   - Manual plausibility check is recommended for certificates where COVID-19 is reported, but not selected as the single underlying cause of death.

Clinical Examples of Certification of Deaths due to COVID-19
### MCCD COVID-19 Related Deaths

**Frame A: Medical data: Part 1 and 2**

<table>
<thead>
<tr>
<th></th>
<th>Cause of death</th>
<th>Time interval from onset to death</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Acute respiratory distress syndrome</td>
<td>J80 2 days</td>
</tr>
<tr>
<td>b</td>
<td>Due to: Pneumonia</td>
<td>J18.9 10 days</td>
</tr>
<tr>
<td>c</td>
<td>Due to: COVID-19</td>
<td>U07.1 10 days</td>
</tr>
<tr>
<td>d</td>
<td>Due to: Cerebral palsy [10 Years]</td>
<td>G80.9</td>
</tr>
</tbody>
</table>

**Manner of death:**
- Disease
- Assault
- Could not be determined
- Accident
- Legal intervention
- Pending investigation
- Intentional self harm
- War
- Unknown
MCCD COVID-19 Related Deaths
MCCD COVID-19 Related Deaths
MCCD COVID-19 Related Deaths

Registration (Births and Deaths) Act
Medical Certificate of the Cause of Death

To be given by the Medical Officer of Health or Medical Practitioner who attended, or has charge of, the deceased on the day he died, or the day he was pronounced dead, or on the day he last saw the deceased, and to no other person.

I hereby certify that I attended and attended to the deceased at noon.

Causes of Death:

1. (Asystole) Cardiac Arrest due to COVID-19.
2. Shock (Pneumonia, Sepsis) due to COVID-19.
3. COVID-19 Pneumonia (progressive).

Date of Death: 14th April 2020
Place of Death: University Hospital of the West Indies

Physician: [Signature]
Registrar: [Name]

Registration No: [Number]
Registered Qualification: [Qualification]

This Certificate is intended for use solely in the district in which the certificate is issued.

For Children only: Name and age of child at time of death and birth order of deceased child.
### MCCD COVID-19 Related Deaths - Pregnancy

#### Frame A: Medical data: Part 1 and 2

<table>
<thead>
<tr>
<th>1</th>
<th>Report disease or condition directly leading to death on line a</th>
<th>Cause of death</th>
<th>Time interval from onset to death</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Report chain of events in due to order (if applicable)</td>
<td>a: Respiratory failure</td>
<td>Code both, O99.5 and J96.9</td>
</tr>
<tr>
<td></td>
<td>State the underlying cause on the lowest used line</td>
<td>b: Due to: Pneumonia</td>
<td>Code both, O99.5 and J18.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c: Due to: Pregnancy complicated by COVID-19</td>
<td>Code both, O98.5 and U07.1</td>
</tr>
</tbody>
</table>

2 Other significant conditions (intervals can be included in brackets after the condition)

#### Manner of death:

- **Disease**
- **Assault**
- **Accident**
- **Legal intervention**
- **Intentional self harm**
- **War**
- **Could not be determined**
- **Pending investigation**
- **Unknown**

#### For women, was the deceased pregnant?

- **Yes**
- **No**
- **Unknown**

- **At time of death**
  - Within 42 days before the death
  - Unknown

- **Between 43 days up to 1 year before death**
  - **Unknown**

- **Did the pregnancy contribute to the death?**
  - **Yes**
  - **No**
  - **Unknown**
### Frame A: Medical data: Part 1 and 2

<table>
<thead>
<tr>
<th></th>
<th>Cause of death</th>
<th>Time interval from onset to death</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a. Hypovolaemic shock</td>
<td>1 day</td>
</tr>
<tr>
<td></td>
<td>b. Due to: Aortic dissection</td>
<td>1 day</td>
</tr>
<tr>
<td></td>
<td>c. Due to: Motor vehicle accident</td>
<td>2 days</td>
</tr>
</tbody>
</table>

2) Other significant conditions contributing to death (time intervals can be included in brackets after the condition)

<table>
<thead>
<tr>
<th></th>
<th>COVID-19</th>
</tr>
</thead>
</table>

#### Manner of death:

- Disease
- Accident
- Intentional self harm

- Assault
- Legal intervention
- War

- Could not be determined
- Pending investigation
- Unknown

**NOT COVID-19 DEATH**
Examples of terms used by certifiers to describe COVID-19 and that can be coded as synonyms of COVID-19:

COVID Positive
Coronavirus Pneumonia
COVID negative
COVID-19 Infection
Sars-Cov-2 Infection (Coronavirus Two Infection)
COVID-19 Coronavirus
Infection – COVID-19 (Coroner Informed)
Hospital Acquired Pneumonia - COVID-Positive
COVID-19 possible - tested negative
Corona Virus two infection (SARS-Cov-2)
Corona Virus Pneumonia (COVID-19)
Coronavirus-Two Infection
Novel coronavirus
Thank…..You