### Table. Summary of the process from birth to death and suspected causes in 35 neonatal deaths cases in Kampong Cham and Svay Rieng provinces, between 2015 and 2016.

<table>
<thead>
<tr>
<th>Case</th>
<th>Birth weight [kg]</th>
<th>Gestational month</th>
<th>Place of birth</th>
<th>Age of death [days]</th>
<th>Place of death</th>
<th>Symptoms / Signs</th>
<th>Diagnosis in hospital</th>
<th>Suspected causes of the death</th>
<th>Process from live birth to neonatal death</th>
</tr>
</thead>
</table>
| 1    | 1.8               | 7                 | Public referral hospital | 2                  | Public referral hospital | – Did not cry after birth  
– Respiration was weak | N/A | Prematurity | Preterm birth, recognized as dead by SBA, but found alive by the grandmother, delay of essential resuscitation |
| 2    | 1.2               | 7                 | Health center | 2                  | Specialized children’s hospital | – Difficulty in breathing  
– Vomiting | Esophageal atresia | Congenital disorder | Preterm birth, referred to a specialized hospital, diagnosed as esophageal atresia (congenital disorder) |
| 3    | 2.7               | 9                 | Health center | 25                 | Specialized children’s hospital | – Fever  
– Diarrhea and bloody stool  
– Convulsion | Intra-cranial hemorrhage | Infection (sepsis) | Visited a health center because of convulsion, referred to a specialized hospital, diagnosed as intra-cranial hemorrhage |
| 4    | 2.0               | 7                 | Home          | 0                  | Home           | – Cold to the touch | N/A | Prematurity | Sudden preterm birth without SBA, became hypothermia |
| 5    | 2.0               | 7                 | Public referral hospital | 1                  | Public referral hospital | – Pale skin color at birth | N/A | Prematurity | Preterm birth (the detail was unknown) |
| 6    | 3.0               | 8                 | Home          | 0                  | Home           | – Umbilical cord around the neck of baby  
– Mother fell down into a hole twice | N/A | Unknown | Born without SBA (the detail was unknown) |
| 7    | 2.3               | 8                 | Home          | 0                  | Home           | – Skin color changed to black | N/A | Unknown | Preterm birth with SBA (the detail was unknown) |
| 8    | 1.4               | 7                 | Private clinic | 1                  | Private clinic | – Fast breathing  
– Difficulty in breathing | N/A | Prematurity | Preterm birth, respiratory disorder (the detail was unknown) |
| 9    | 1.9               | 8                 | Health center | 2                  | Home           | – Difficulty in breathing | N/A | Prematurity | Preterm birth, respiratory disorder, could not be put into an incubator |
| 10   | 3.0               | 9                 | Health center | 0                  | On the way  | – Difficulty in breathing  
– Chest indrawing  
– Grunting  
– Flaring of the nostrils | Anhydramnios | Asphyxia | Born at a health center, respiratory disorder, received oxygen and resuscitation, died on the way to home |
| 11   | 2.7               | 9                 | Public referral hospital | 5                  | Specialized children’s hospital | – Fever  
– Vomiting  
– Difficulty in breathing | Esophageal atresia | Congenital disorder | Diagnosed as esophageal atresia (congenital disorder), referred to a specialized hospital, operated twice |
| 12   | 2.9               | 9                 | Health center | 4                  | Home           | – Hemorrhage from nose and mouth | N/A | Unknown | Born at a health center and died at home due to hemorrhage (the detail was unknown) |

1
<table>
<thead>
<tr>
<th>No.</th>
<th>Age</th>
<th>SD</th>
<th>Location</th>
<th>Diagnosis</th>
<th>Main Symptoms</th>
<th>Other Symptoms</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>1.5</td>
<td>7</td>
<td>Home</td>
<td>Prematurity</td>
<td>Fever, Cough, Difficulty in breathing, Chest indrawing, Grunting, Flaring of the nostrils</td>
<td>N/A</td>
<td>Public referral hospital, had been cared in an incubator, died after one day out of incubator</td>
</tr>
<tr>
<td>14</td>
<td>1.8</td>
<td>8</td>
<td>Home</td>
<td>Prematurity</td>
<td>Difficulty in breathing, Chest indrawing, Grunting</td>
<td>N/A</td>
<td>Preterm birth with SBA, respiratory disorder, referred to a public hospital</td>
</tr>
<tr>
<td>15</td>
<td>3.0</td>
<td>9</td>
<td>Health center</td>
<td>Hepatic cyst</td>
<td>Fever, Cough, Difficulty in breathing, Vomiting</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>16</td>
<td>4.0</td>
<td>9</td>
<td>Private clinic</td>
<td>Asphyxia</td>
<td>Difficulty in breathing, Grunting</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>17</td>
<td>3.1</td>
<td>9</td>
<td>Private clinic</td>
<td>Asphyxia</td>
<td>Difficulty in breathing, Flaring of the nostrils</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>18</td>
<td>2.0</td>
<td>7</td>
<td>Health center</td>
<td>Prematurity</td>
<td>Twin pregnancy, Pale skin color at birth</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>19</td>
<td>2.0</td>
<td>7</td>
<td>Health center</td>
<td>Prematurity</td>
<td>Twin pregnancy, Pale skin color at birth</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>20</td>
<td>3.5</td>
<td>9</td>
<td>Health center</td>
<td>Adverse effect of vaccination</td>
<td>Fever after vaccination, Skin rash and eye redness, Vomiting, Hemorrhage</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>21</td>
<td>3.1</td>
<td>9</td>
<td>Public referral hospital</td>
<td>Pneumonia</td>
<td>Fever, Difficulty in breathing, Chest indrawing, Grunting, Flaring of the nostrils</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>22</td>
<td>4.3</td>
<td>9</td>
<td>Home</td>
<td>Unknown</td>
<td>Umbilical cord was cut after a few hours of birth</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>23</td>
<td>3.0</td>
<td>7</td>
<td>Private clinic</td>
<td>Congenital disorder</td>
<td>Malformation</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>24</td>
<td>2.9</td>
<td>9</td>
<td>Health center</td>
<td>Infection (intestinal)</td>
<td>Vomiting, Hemorrhage from anus</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>25</td>
<td>1.2</td>
<td>9</td>
<td>Public referral hospital</td>
<td>Prematurity</td>
<td>Difficulty in breathing, Flaring of the nostrils</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>26</td>
<td>1.3</td>
<td>8</td>
<td>Health center</td>
<td>Congenital heart disease</td>
<td>Difficulty in breathing</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>Case</td>
<td>1.3</td>
<td>Date</td>
<td>Location</td>
<td>Setting</td>
<td>Main Complaints</td>
<td>Other Symptoms</td>
<td>Diagnosis</td>
</tr>
<tr>
<td>------</td>
<td>-----</td>
<td>------</td>
<td>----------</td>
<td>---------</td>
<td>----------------</td>
<td>---------------</td>
<td>-----------</td>
</tr>
<tr>
<td>28</td>
<td>1.4</td>
<td>7</td>
<td>Health center</td>
<td>0 Home</td>
<td>Difficulty in breathing</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>29</td>
<td>2.7</td>
<td>7</td>
<td>Public referral hospital</td>
<td>15 Specialized children’s hospital</td>
<td>Difficulty in breathing</td>
<td>Lung disease</td>
<td>Infection (pneumonia)</td>
</tr>
<tr>
<td>30</td>
<td>2.5</td>
<td>8</td>
<td>Midwife's home</td>
<td>3 Home</td>
<td>Blue skin color</td>
<td>N/A</td>
<td>Unknown</td>
</tr>
<tr>
<td>31</td>
<td>1.3</td>
<td>7</td>
<td>Public referral hospital</td>
<td>15 Home</td>
<td>Difficulty in breathing</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>32</td>
<td>1.5</td>
<td>8</td>
<td>Public referral hospital</td>
<td>6 On the way</td>
<td>Difficulty in breathing</td>
<td>N/A</td>
<td>Prematurity</td>
</tr>
<tr>
<td>33</td>
<td>2.0</td>
<td>8</td>
<td>Public referral hospital</td>
<td>0 Public referral hospital</td>
<td>Breech presentation at birth</td>
<td>N/A</td>
<td>Asphyxia</td>
</tr>
<tr>
<td>34</td>
<td>2.7</td>
<td>9</td>
<td>Home</td>
<td>0 Home</td>
<td>Malformation</td>
<td>N/A</td>
<td>Congenital disorder</td>
</tr>
<tr>
<td>35</td>
<td>2.7</td>
<td>9</td>
<td>Health center</td>
<td>3 Public referral hospital</td>
<td>Difficulty in breathing</td>
<td>N/A</td>
<td>Respiratory distress (the detail was unknown)</td>
</tr>
</tbody>
</table>

Notes: Cases written by Bold Italic characters are presented as quotations in the main text.