United Nations Expert Group Meeting
Innovative methods to measure the impact of COVID-19 on mortality through surveys and censuses Abu Dhabi, 23 – 25 August 2022

Data sources and identify data needs and gaps on adult mortality in Lao PDR
• Data sources for adult mortality in Lao PRD
• Questions focus on mortality
• Quality of data
• Gaps and Challenges
• The way forward
Data sources for adult mortality in Lao PRD

Census and Survey

Results of Population and Housing Census 2015

Lao PDR
Lao Social Indicator Survey II (LSIS II)
2017

District Health Information System – (Death, Maternal deaths and case of death)

Administration

CRVS system (Still yet to complete, out of 18 provinces, only 3 provinces are being piloted)
Mortality questions in the 2015 census

<table>
<thead>
<tr>
<th>F</th>
<th>Deaths in last 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q36</td>
<td>Any deaths in last 12 months</td>
</tr>
<tr>
<td></td>
<td>1. Yes □ 2. No □ (Go to Q39)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Q37</th>
<th>Sex of deceased</th>
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<tbody>
<tr>
<td></td>
<td>(Enter Age in completed years)</td>
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<table>
<thead>
<tr>
<th>Q38</th>
<th>Age of deceased</th>
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<tbody>
<tr>
<td></td>
<td>Did she die while pregnant, while giving birth or within 42 days after giving birth?</td>
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<tr>
<td></td>
<td>For women 15-49 years</td>
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<table>
<thead>
<tr>
<th>Q39</th>
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<tbody>
<tr>
<td></td>
<td>1. Yes □ 2. No □</td>
</tr>
</tbody>
</table>

Death in last 12 month
1. Any death in 12 month
2. Sex and age of deceased,
3. Did she die while pregnant and while giving birth or within 42 days after giving birth (for women in reproductive age 15-49)
Mortality questions in the 2017 social indicator survey

- **Lao Social Indicator Survey** uses methodology of MICS, it explores the following mortality rates:
  - Neonatal mortality rate
  - Post-neonatal mortality rate
  - IMR
  - CMR
  - U5MR

### FERTILITY/BIRTH HISTORY

**BH0.** Now I would like to record the names of all of your births, whether still alive or not, starting with the first one you had.

*Record names of all the births in BH1. Record twins and triplets on separate lines.*

<table>
<thead>
<tr>
<th>BH0. BH Line Number</th>
<th>BH1. What name was given to your (first/next) baby?</th>
<th>BH2. Were any of these births twins?</th>
<th>BH3. Is (name of birth) a boy or a girl?</th>
<th>BH4. In what month and year was (name of birth) born?</th>
<th>BH5. Is (name of birth) still alive?</th>
<th>BH6. How old was (name of birth) at (his/her) last birthday?</th>
<th>BH7. Is (name of birth) living with you?</th>
<th>BH8. Record household line number of child (from HL1) if child is not listed.</th>
<th>BH9. How old was (name of birth) when (he/she) died?</th>
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<td></td>
<td></td>
<td>probe: What is (his/her) birthday?</td>
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<td>record age in completed years.</td>
<td></td>
<td>record ‘00’ if child is not listed.</td>
<td>record days if less than 1 month; record months if less than 2 years; or years</td>
</tr>
<tr>
<td>S M B G Day Month Year</td>
<td>Y N Age</td>
<td>Line No</td>
<td>Unit</td>
<td>Number</td>
<td></td>
<td></td>
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<tr>
<td>01</td>
<td>1 2 1 2</td>
<td>___ ___</td>
<td>___ ___ ___ ___ ___ ___ ___ ___</td>
<td>1 2</td>
<td>BH9</td>
<td>___ ___</td>
<td>1 2</td>
<td>Next Birth</td>
<td>DAYS ....... 1</td>
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<td>MONTHS .... 2</td>
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<td>YEARS ....... 3</td>
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Quality of data - Census & Survey

For Census

- Design Questionnaire - Fitness for Use
- Determination of Census Methodology
- Examination with external and internal experts
- Data Collection, Editing, Analysis, and Review

For Survey

- Applicable sampling methods & techniques
- Collective efforts on questionnaire development
- Reduction of Sampling and Non-sampling errors
- Statistical measurements: Std. Error, CVs, CIs of indicators

CVs – Coefficients of Variation
CIs – Confidence Intervals
Gaps and Challenges

- Population and Housing Census provides adult mortality
- The nation-wide survey LSIS produces IMR, U5 MR, CMR and neonatal mortality
- The CRVS covers only a few provinces
- Quality of causes of death is still an issue as ICD-10 is used in some central hospitals, but not in provincial hospitals
The way forward

• Data collection
  ➢ Census and Survey
    1. Lao Social Indicators Survey 2022.
    2. Population and Housing Census 2025.

➢ Administration
  1. Improving the CRVS System which needs to cover all provinces.
  2. District Health Information System (DHIS) needs to strengthen

• Capacity building on demography analysis: mortality rates
• Conducting in-depth survey and analysis on various mortality rates
Thank you