

Pacific Health Information Network

Strengthening Health Information Systems and Digital Health

Developments in ICD and CRVS to improve data quality, regional capacity and Health outcomes

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Pacific CRVS
supported by Brisbane Accord Group

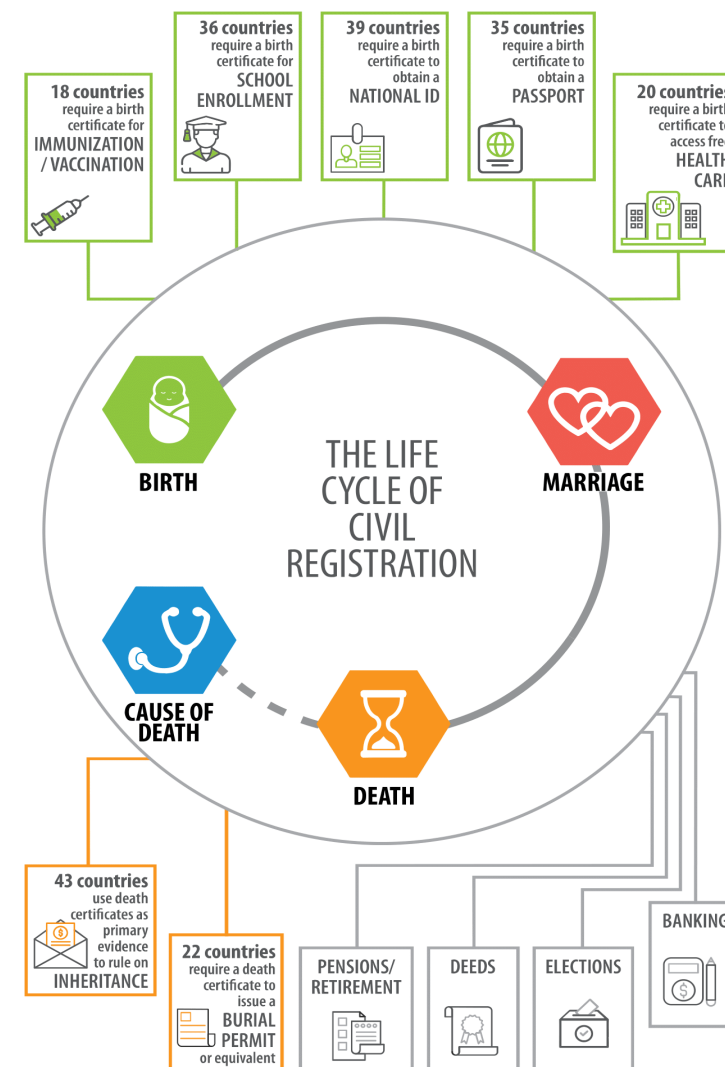


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Civil Registration and Vital Statistics (CRVS)



- ◆ Record of vital events
- ◆ Continuous
- ◆ Permanent
- ◆ Compulsory
- ◆ Universal



See - Asian and Pacific CRVS Decade 2015-2024. UNESCAP.
<https://getinthepicture.org/resource/booklet-asian-and-pacific-crvs-decade-2015-2024>

Regional Decade of CRVS



Goal 1: Universal registration of births, deaths & other vital events



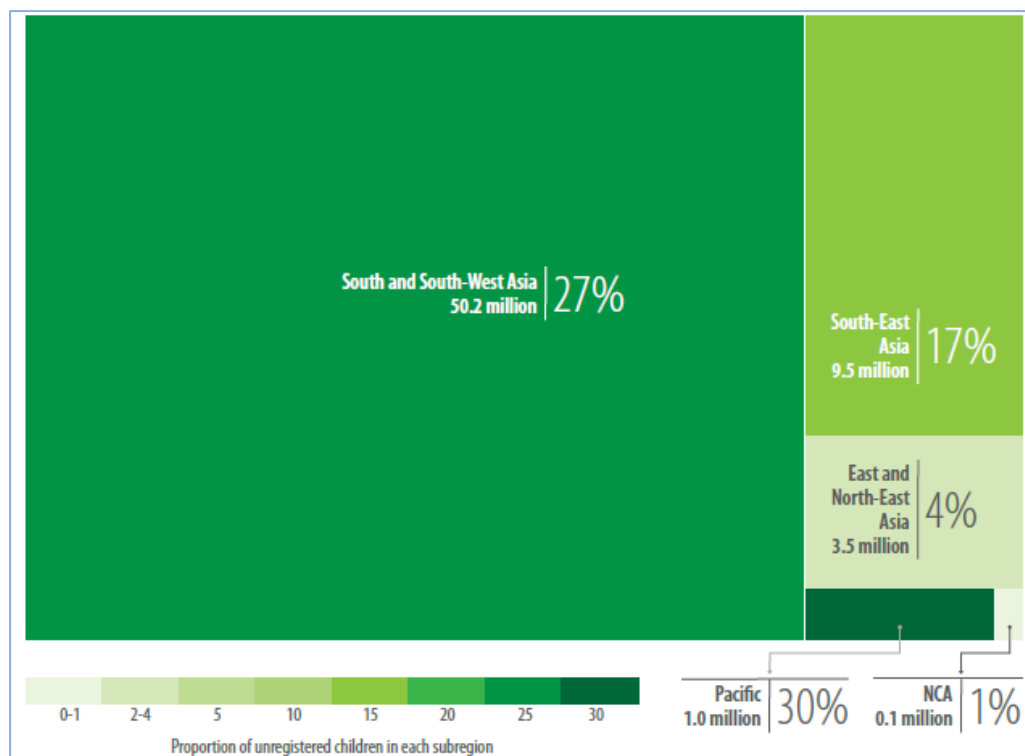
Goal 2: All individuals are provided with legal documentation of civil registration of births, deaths and other vital events, as necessary, to claim identity, civil status and ensuing rights



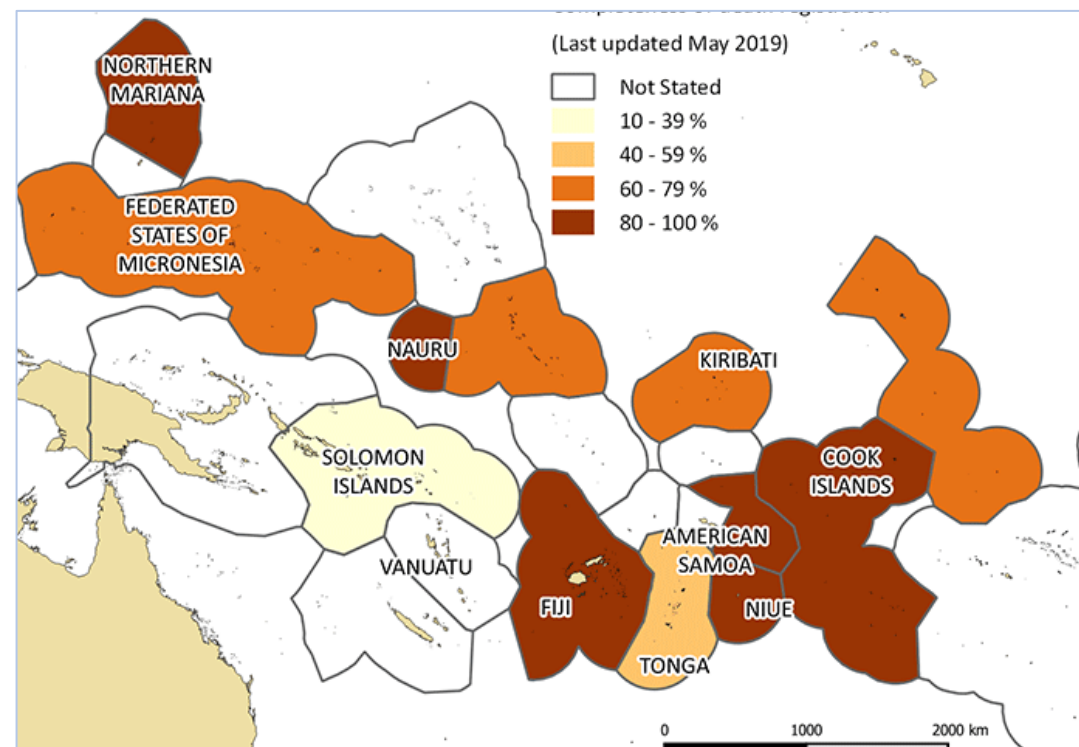
Goal 3: Accurate, complete and timely vital statistics **(including on causes of death)** are produced based on registration records and are disseminated

A global challenge – a Pacific problem

Children under 5 birth never registered



Completeness of Death Registration



See – *Getting everyone in the picture: A snapshot of progress midway through the Asian and Pacific Civil Registration and Vital Statistics Decade*. UNESCAP

<https://getinthepicture.org/midterm-report>

See - <https://sdd.spc.int/civil-registration-and-vital-statistics-support/crvs>

Brisbane Accord Group - Current Focus

To improve availability, quality, timeliness, reporting and use of vital statistics in policy decisions, and develop a pool of highly skilled Pacific Island professionals that can lead capacity-building efforts in the region.

1. Improve the completeness and coverage of civil registration with focus on e-CRVS and connectivity with e-Health and other government and regional systems.
2. Address critical gaps in: (i) death registration (ii) medical certification of cause of death; (iii) coding of cause of death; and (iv) data analysis, interpretation and reporting.

Pacific Health Information Network

Strengthening Health Information Systems and Digital Health

Pacific Regional Programme on Strengthening Availability and Quality of Cause of Death Data

Supported by Bloomberg Philanthropies Data for Health
Initiative



Pacific CRVS
supported by Brisbane Accord Group

**Bloomberg
Philanthropies**



**DATA FOR
HEALTH INITIATIVE**



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Community**
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Overview of presentation

- Background, Aims & Objectives
- Regional training workshops
- Regional coding support centre
- Future activities

Ask yourself:

“What can I do to strengthen cause of death data in my country?”

“How might this strengthen my/our HIS?”

Background

- Availability and quality of cause of death data remain fundamental challenges
- Weak capacities in:
 - Medical certification of cause of death
 - Coding of causes of death
 - Mortality data analysis and statistics
- Recommendations from Pacific Heads of Health and Pacific Heads of Planning and Statistics
- National and regional commitments towards monitoring and achieving health and development goals
- Previous MCCD and ICD coding training by Brisbane Accord Group partners

Aims & Objectives

1. Build a pool of Pacific Island professionals who can train others (training of trainers) in medical certification and ICD coding of cause of death
2. Roll out a regional coding support centre

Goal

Improved availability, quality, reporting and use of vital statistics in policy decisions

Regional MCCD training-of-trainers workshop

- 27-28 Feb 2023, Nadi
- 19 medical certifiers from:
 - Cook Islands
 - Fiji
 - Federated States of Micronesia
 - Kiribati
 - Palau
 - Samoa
 - Solomon Islands
 - Tonga
 - Tuvalu



Key outcomes

- Training effectiveness:
 - Average pre-training test score was 67.9%; post-test score was 93.8%
- Practice training sessions
- **National action plans for organising and institutionalising training programs** – under development
- Quality assessment of MCCDs using a rapid quality assessment tool
- Discussion and feedback on: MCCD training gaps and needs, preferred support for MCCD strengthening, challenges to producing quality CoD data, recommendations & suggestions

MCCD training curriculum for Pacific Island countries and territories.

Available from:

<https://www.spc.int/DigitalLibrary/SDD/>



CURRICULUM ON MEDICAL CERTIFICATION OF CAUSE OF DEATH

FOR PACIFIC ISLAND COUNTRIES AND TERRITORIES



SDD
Statistics for Development Division

Regional ICD mortality coding training

- 1-10 March 2023, Nadi
- 16 coders from:
 - Cook Islands
 - Fiji
 - Federated States of Micronesia
 - Kiribati
 - Palau
 - Samoa
 - Solomon Islands
 - Tonga
 - Tuvalu



Key outcomes

- End of course coding examination: average score : 83.4%
- Use of ICD-11 tools:
 - Browser, Coding tool
 - Pacific Center in the ICD-Field Implementation Tool (ICD-FIT) platform
 - Automated mortality coding tool (DORIS tool)
- Overview of the proposal for a **regional coding support centre**
- Agreement on formation of **Pacific Medical Coders Network/Group**
- Discussion and feedback on: ICD mortality coding training gaps and needs, preferred support for ICD-coding strengthening, challenges to producing quality CoD data, recommendations & suggestions

Regional coding support centre

- Technical support for ICD mortality coding provided in an “off-site”/ “off-island” mode, at a centralised regional coding centre rather than performed in country
- Coordinated by SPC and supported by BAG technical partners
- Potential long term sustainable coding solution for small island nations with low/weak coding capacities

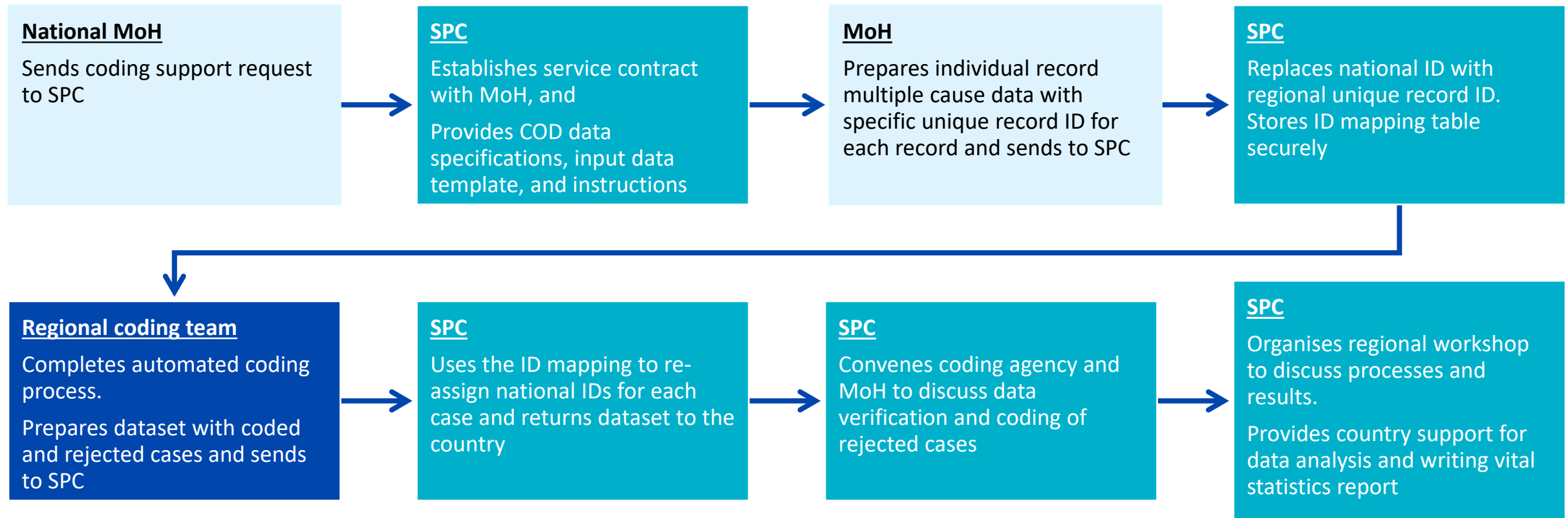
Why a regional coding support centre?

- Some Pacific countries do not have the capacity to sustain high quality coding due to their size and constrained resources
- Ad-hoc coding training in individual Pacific countries is expensive and unsustainable in the long term
- Need to embed a robust partner-to-country succession plan with sustainable transfer of knowledge and skills

Potential benefits of a regional coding support centre

- Improved level of support to all countries
- Improved availability and quality of cause-specific mortality data and statistics for health policymaking and programmes
- Strengthening the partnerships among all CRVS stakeholder agencies-between MoH, NSO, CRVS/Justice and others relevant agencies
- Opportunities to integrate CRVS data with other administrative data to provide societal benefits

Processes and actions for operating regional coding support centre



Human coders still play a critical role!

Human coders are still required to:

- Operate automated ICD coding programs (e.g. DORIS)
- Review the coding results
- Conduct manual coding procedures for cases rejected by the automated coding systems
- Assure data quality and facilitate data transfer and use
- Work with doctors and data analysts, statisticians, etc.

Pacific Medical Coders Network / Group

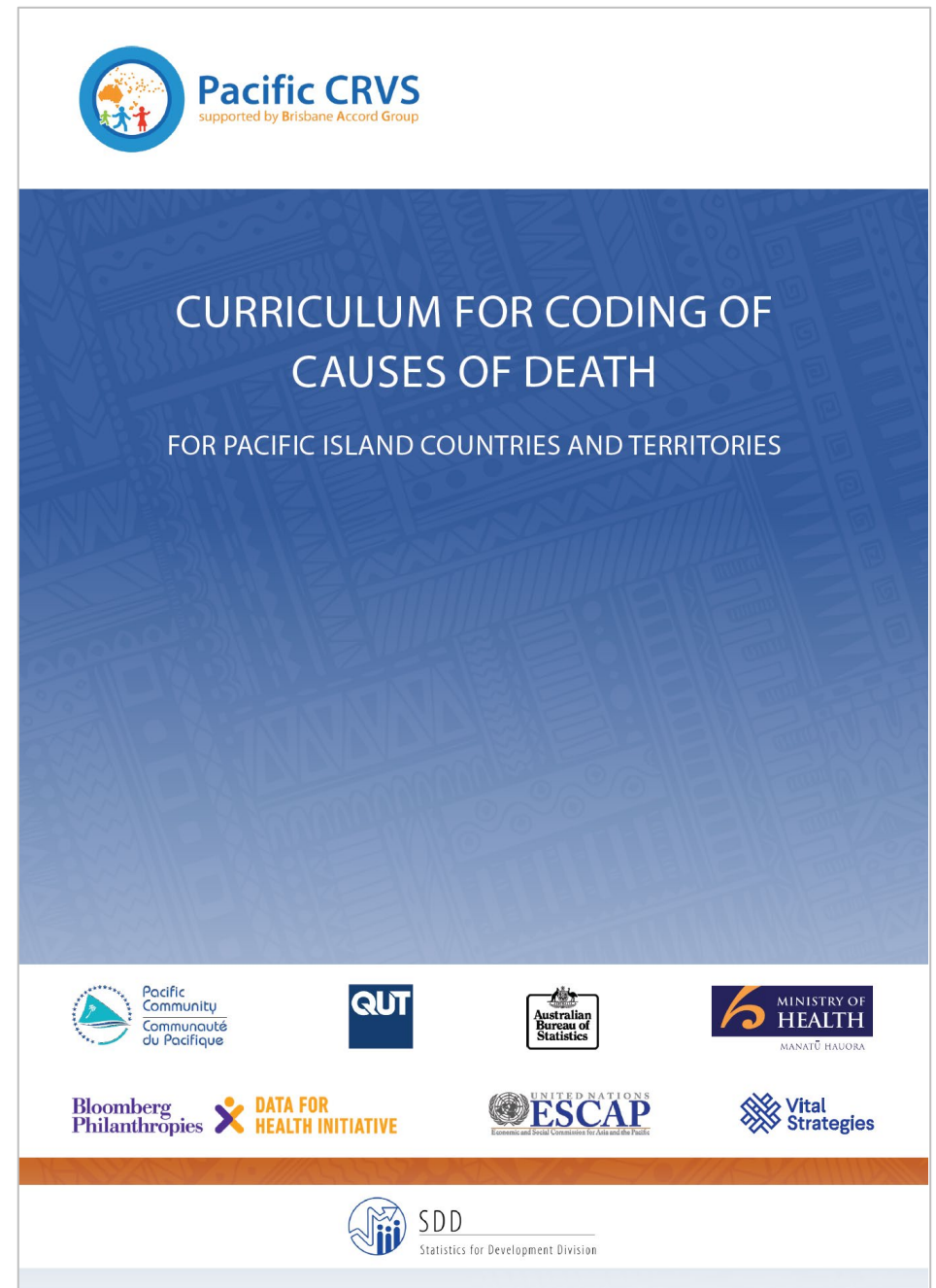
- First step towards guiding ICD-11 adoption and implementation
- Mechanism for networking, information sharing, professional development, training for coders
- Members to include national ICD-11 focal points
- Drive the implementation of regional coding support centre
- Highlight ICD-11, CRVS and HIS issues
- Recommendations from the Group forwarded to SPC, PHIN, and WHO
- Entry points for SPC and WHO for ICD coding capacity building

ICD coding training curriculum for Pacific Island countries and territories.

Available from:

<https://www.spc.int/DigitalLibrary/SDD/>

*requires update to ICD-11



Follow up actions

- Support the development of national action plans for rolling out MCCD training and training-of-trainers programs
- Establish and formalise Pacific Medical Coders Group / Network
- Advance the proposal of a regional coding support centre and implement centralised coding support at initial scale
- Develop register of medical doctors/certifiers and coders (and countries) that have undergone SPC-coordinated trainings or other previous trainings

Additional suggestions

- Set up online community group forum for trained medical certifiers and mortality coders in the Pacific Island region
- Email exchange with experts to discuss complex or uncertain cases
- Informational videos
- Development of recognised positions, career planning and succession planning for coders

Future activities

- Mentorship support on ICD mortality coding (including on ICD-11)
- Training in the use of relevant resources for ICD mortality coding including automated tools
- Roll-out of [online] training courses in regional academic institutions
- Data quality assessments
- Training in data analysis and interpretation, and production of vital statistics reports

THANK YOU



For further information, check out:

- <https://sdd.spc.int/events/2023/02/regional-training-workshop-mccd>
- <https://sdd.spc.int/events/2023/03/regional-training-workshops-icd-mortality-coding>

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