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One Health Consensus Report Annotation Checklist (OH-CRAC): a framework for harmonization of surveillance data reports

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A good communication of surveillance findings to stakeholders and surveillance actors is the basis for risk assessment and sometimes decision support. The cross-sector integration of surveillance results from sector-specific reports is frequently difficult as those reports lack some relevant background meta-information on the surveillance context. These reporting deficiencies reduce the value of sector-specific surveillance reports within the OH community. In order to improve the current practice of information provisioning in surveillance data reports, a so-called One Health Consensus Report Annotation Checklist (OH-CRAC) was developed.

Objectives

- To provide guidance to researchers and officials from any OH-related sector regarding what meta-information should be provided in future surveillance data reports
- To provide a mechanism for mapping such meta-information across sectors and countries

Development

OH-CRAC builds on the Generic Statistical Business Process Model (GSBPM) adapting the GSBPM terminology and meta-information descriptions to fit to OH surveillance processes (Fig. 1A).

To support a broad adoption of this framework by all OH-related sectors a thorough analysis of existing sector-specific meta-information guidelines was performed (Fig. 1B).

The resulting OH-CRAC is structured in five main reporting sections outlined together with their corresponding reporting subheadings in Fig. 1C.

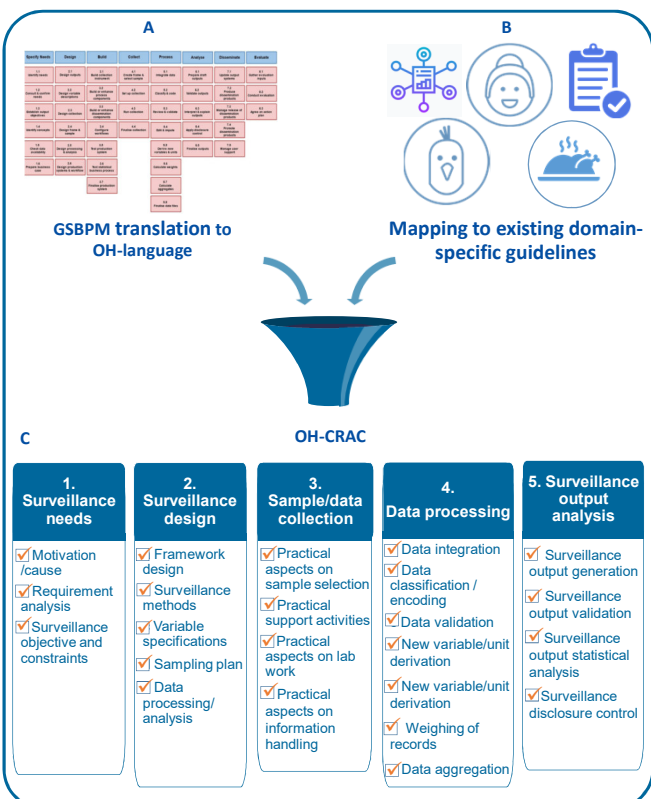


Fig. 1: Schematic representation of the OH-CRAC development process.

OH-CRAC Completion

To facilitate the checklist completion, OH-CRAC is also available as an online resource under the RIGOR platform (Fig. 2) (Ramezani et al., 2017).

OH-CRAC was successfully tested within a number of retrospective pilot applications carried out during the OHEJP ORION project (<https://onehealth.ejp.eu/jip-orion/>).

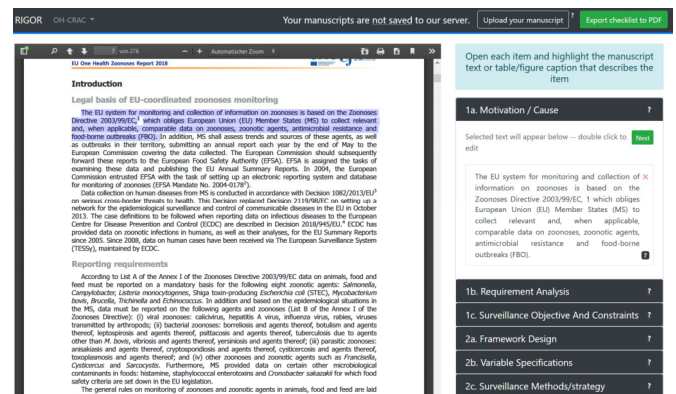


Fig. 2: Screenshot of the RIGOR platform. The tool generates a completed OH-CRAC checklist based on selected text snippets from a user-provided document. Link: <https://aflex.vrac.iastate.edu/checklist/?t=OH-CRAC>

Conclusions

The adoption of OH-CRAC supports surveillance report creators in:

- providing an easy-to-adopt solution for harmonization of cross-sector surveillance reports
- improving the completeness and transparency of their reports
- facilitating a cross-sector mapping of surveillance meta-information
- adding value to their reports
- supporting report readers to correctly interpret the surveillance data provided

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