



WP4 - European Core Health Indicators Monitoring

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Outline of the session

- Introduction to WP4 of BRIDGE Health (Robert Koch Institute, Germany)
- Implementation of WP4 Tasks 4.1 and 4.2: Mapping of data availability and technical evaluation of the shortlist (Robert Koch Institute, Germany)
- Implementation of WP4 Task 4.3: Content evaluation of the ECHI Shortlist and strategy definitions for its elaboration (National Institute for Public Health and the Environment, The Netherlands)
- Discussion of WP4 tasks and of support of Expert Group, e.g. regarding ECHI-indicator availability mapping

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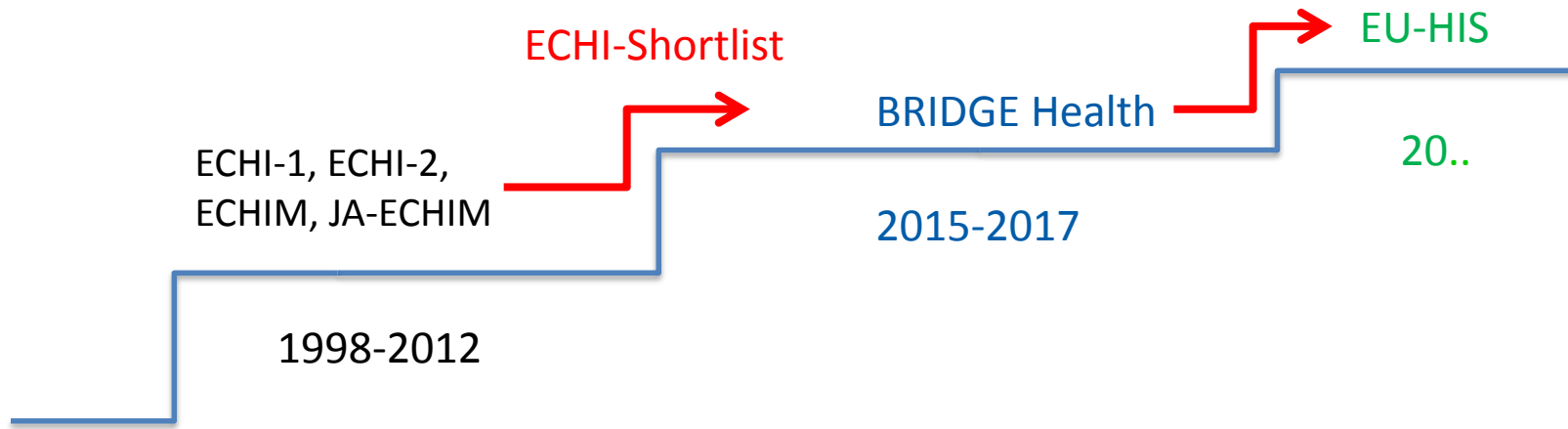


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Introduction to Work Package 4



Introduction to Work Package 4

European Core Health Indicators Monitoring

„Update of the ECHI-Shortlist indicators and improvement of the knowledge to support the effective development and use of health indicators for health policy purposes.“

Aims

- Map the data availability for the ECHI Shortlist in EU-Member States
- Perform technical and content-related evaluations of the current ECHI-indicator approach including, where necessary, revisions and further development of the current ECHI Shortlist
- Design and fill a European health indicator repository
- Contribute to capacity building

- Revitalize and strengthen the network of national experts for assessing, reviewing, developing and using ECHI-indicators
- Closely cooperate with international organizations

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Introduction to Work Package 4

Expert Group on National Health Indicator Implementation (EG-NHII)

- *Represent PH / similar institutes that deal with / are responsible for use and/or implementation of ECHI-indicators*

Consultation regarding technical evaluation / repair / development

- national use and implementation of ECHI indicators
- data availability and quality
- further development of indicators

➔ Tasks 4.1 / 4.2

Consultation regarding content evaluation and strategy definition

- national health policies
- information needs

➔ Tasks 4.3 / 4.4

Advisory Core Group (ACG)

- *Representatives of international organizations and / or of academia in the field of public health*
 - support in the coordination of Work Package 4
 - provide strategic direction to the activities of Work Package 4

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Introduction to Work Package 4

Terms of Reference EG-NHII

Role and purpose

- support WP4 in the identification and handling of progress and problems concerning the national use and implementation of ECHI-indicators, the underlying data availability and quality and the available capacities and reporting opportunities to tackle health information inequalities

Commit to

- attending EG-NHII meetings and, if necessary, nominate a proxy
- sharing all communications and information across all EG-NHII members and with the contributors to WP4 (RKI and RIVM)
- supporting WP4 in its task to gather information on ECHI implementation status
- giving timely advise on decisions and support necessary actions so as to enable WP4 to meet milestones and deadlines

Operation

- meet twice during the duration of the BRIDGE Health project (May 2015 - October 2017)

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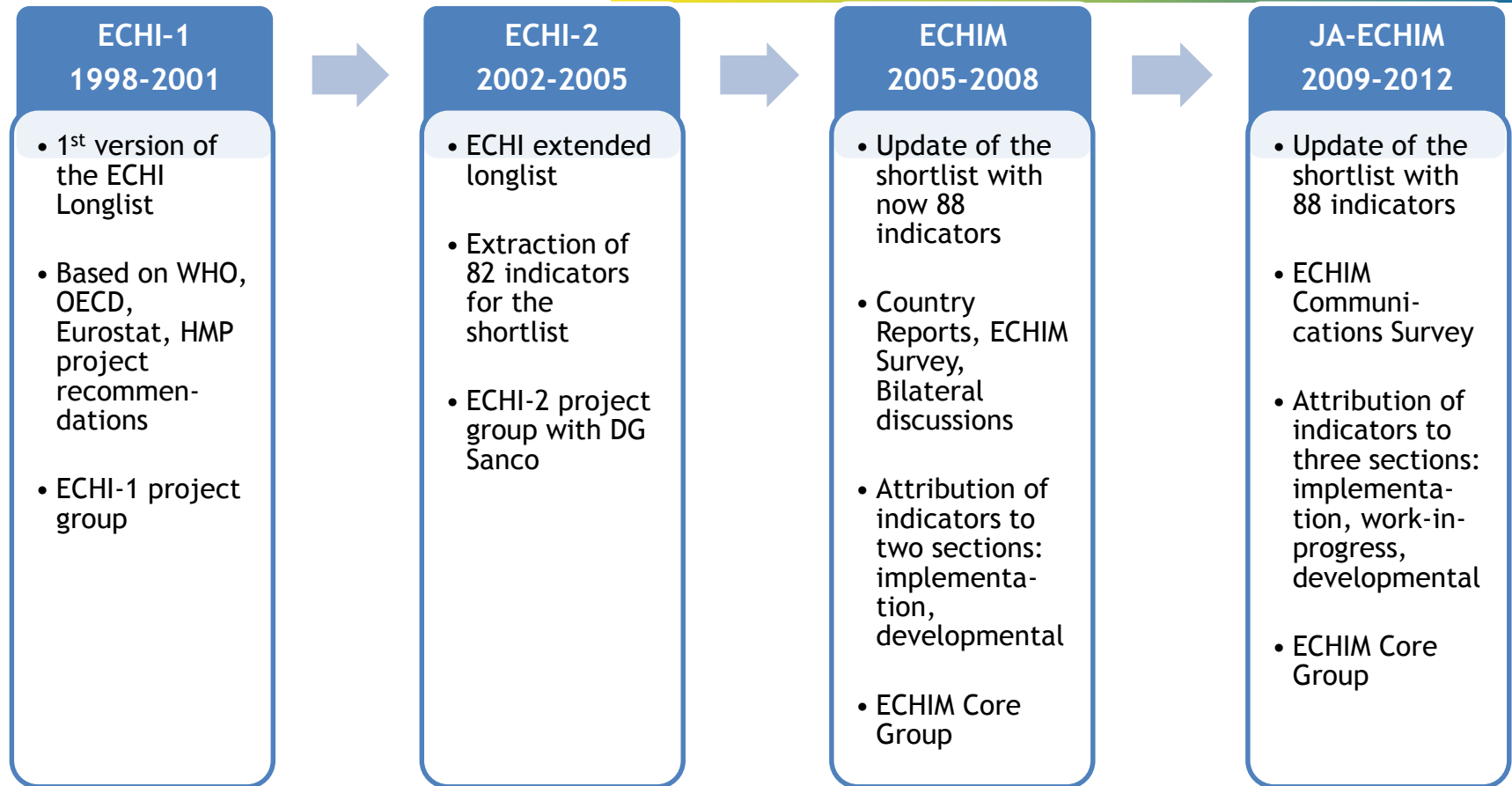


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A look back: ECHI-List Development



JA-ECHIM Recommendations for future ECHI indicator work

1. Ensure sustainability, quality and efficiency of the ECHI indicator work
2. Keep the ECHI indicator documentation up to date and easily accessible
3. Work with supra/international organizations and Member States on further harmonization of existing data collections
4. Work on improving implementation-readiness of indicators in the work-in-progress and development section
5. Update the ECHI shortlist on a regular basis

 BRIDGE WP 4 - European Core Health Indicators Monitoring (ECHIM)

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Background - ECHI sections

ECHI shortlist sections

➤ Implementation section

Indicators can readily be used to support policy making as they are part of regular international data collections and data are available for a majority of member states.

➤ Work-in-progress section

Indicators are technically (nearly) ready for incorporation in regular international data collections, but there may not yet be concrete plans for this to occur.

➤ Development section

Indicator topics that are not yet ready for incorporation into international regular data collections (and thus for implementation) due to considerable methodological and/or data availability problems.

➔ Data availability is an important decision element for the allocation of indicators to the appropriate section when updating the ECHI shortlist

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Technical evaluation, repair and development of the current ECHI shortlist (RKI)

- **Map data availability in all MS → Availability Survey**
 - Identify gaps in international and national data availability
 - Identify data requests on the national level

- **Evaluate and further develop indicators**
 - Implementation section and Work-in-progress-section:
 - Review and revise indicators, *i.a.* in the light of updated data collections (EHIS)
 - Developmental Section:
 - Explore existing concepts or comparable indicators from international organizations
 - Review indicators for their potential inclusion in the implementation section

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Availability survey - Structure

Two key areas:

Assessment of data availability for each indicator

- Implementation section
- Work-in-progress section

Data requirement analysis for each indicator

- Development section
- Potential new indicators (pre-selection of potential new topics/indicators is based on expert consultation and current developments in international health information activities)

→ Separate data sheets for each section of the shortlist

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Practical instructions

Introduction

The availability survey is part of the EU-funded BRIDGE-Health project and its work package 4 (WP4). The aim of WP4 is to update the ECHI-Shortlist indicators and to improve existing ECHI-indicator knowledge and expertise. The survey is divided into five sheets.

Filling in the survey

1. In previous projects, the ECHI-Shortlist has been divided into three sections, i.e. the 'implementation', the 'work-in-progress' and the 'development' section. In this survey, there is one sheet for each section and one additional sheet for potential new topics/indicators to be included in the shortlist. You will find a definition/rationale for each section at the bottom of the table on the respective sheet.
2. For the 'implementation' section (sheet 2) and the 'work-in-progress' section (sheet 3), you will be asked to provide information about the data availability in your country. For each indicator, the preferred international data source as well as the preferred data type (both according to the ECHI documentation sheets) are given.
3. Regarding the 'development' (sheet 4) section and potential new indicators (sheet 5), you will be asked to provide information on national data needs/requests for each indicator.
4. On sheet 6, we are asking you to provide information on your institutional affiliation and on activities in your country regarding the implementation of ECHI indicators. This will allow us to better allocate your responses.

Technical advice

5. Indicator definitions according to the current ECHI shortlist will pop up when you enter the respective cell with your cursor.
 6. Drop-down menus are available for all questions which do not require a full-text reply. To activate the drop-down list, please mark the cell and click on the arrow which appears.
 7. Dotted cells are pre-filled, based on information from the ECHI documentation sheets and on metadata from international data sources. Please check the pre-filled information and adjust, if necessary. If adjustments occur, please highlight the respective answer by red font colouring.
 8. Some cells are marked 'n/a' (not applicable). You do not need to check or adjust this information. 'Not applicable' means that no preferred data source or type has been defined yet for these indicators or that the respective dimension is not required. They have been included in the list for the sake of completeness.
 9. If you have any questions or need support regarding the survey, please contact Sabrina Hense (HenseS@rki.de) or Angela Fehr (FehrA@rki.de) from Robert Koch Institute, Berlin, Germany.
 10. After completion of the survey you can either send the file to the person, who asked you to fill in the questionnaire or directly to the above mentioned contacts.
- Please, proceed to the next tab to begin the survey...

Thank you for your collaboration in this project!

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Implementation section

Implementation section (see definition in row 74 below)

| ECHI shortlist indicators | International data source | | | Underlying national data source | | | | | Remaining questions or suggestions | | |
|--|--|---|---|--|--|---------------------------------|-----|-----|------------------------------------|---|-------------------------|
| | ECHI preferred international data source | For your country, is data available in the preferred international data source? <i>Please choose from the drop-down menu for each cell.</i> <i>For pre-filled cells, please check the information given and adjust, if necessary. If adjustments occur, please highlight the respective answer by red font colouring.</i> <i>Cells marked n/a DO NOT have to be checked.</i> | For your country, is data available in other international data sources? If yes, please specify | ECHI preferred data type | For your country, is the ECHI preferred data type available? <i>Please choose from the drop-down menu for each cell.</i> <i>For pre-filled cells, please check the information given and adjust, if necessary. If adjustments occur, please highlight the respective answer by red font colouring.</i> <i>Cells marked n/a DO NOT have to be checked.</i> | Which dimensions are available? | | | | | |
| | | | | | | age | sex | SES | | region (according to ISARE recommendations) | others (please specify) |
| 1. Population by sex/age | Eurostat | yes | | National population censuses, population registers | yes | | | n/a | | | |
| 2. Birth rate, crude | Eurostat | yes | | National population censuses, population registers | yes | n/a | n/a | n/a | | | |
| 3. Mother's age distribution | Eurostat | yes | | National population statistics, birth registers and perinatal databases, perinatal surveys | yes | n/a | n/a | | | | |
| 4. Total fertility rate | Eurostat | yes | | National population censuses, population registers | yes | n/a | n/a | n/a | | | |
| 5. Population projections | Eurostat | yes | | basic demographic data | yes | | | n/a | | | |
| 6. Population by education | Eurostat (Labour Force Survey - LFS) | yes | | HIS | yes | | | n/a | | | |
| 7. Population by occupation | Labour Force Survey - LFS; alternatively: European Social Survey - ESS | yes | | HIS | yes | | | n/a | | | |
| 8. Total unemployment | Eurostat (Labour Force Survey) | yes | | Survey | yes | | | n/a | | | |
| 9. Population below poverty line and income inequality | Eurostat (EU-SILC) | yes | | Survey | yes | | | n/a | | | |
| 10. Life expectancy | Eurostat | yes | | Register data | yes | | | | | | |
| 11. Infant mortality | Eurostat | yes | | National population statistics, civil registrations and medical registers | yes | n/a | | | | | |
| 12. Perinatal mortality | WHO-HIA | yes | Peristat | National population statistics, birth registers and perinatal databases, perinatal surveys | yes | n/a | n/a | n/a | | | |
| 13. Disease-specific mortality; Eurostat, 88 causes | Eurostat (and CISID of WHO-Europe for AIDS related mortality) | yes | | Administrative data (causes of death registries) | yes | n/a | | n/a | | | |
| 14. Drug-related deaths | EMCDDA | yes | | General mortality registers | yes | | | n/a | n/a | | |
| 18. Selected communicable diseases | ECDC | yes | | Surveillance reports | yes | | | n/a | n/a | | |
| 19. HIV/AIDS | CISID of WHO-Europe | yes | | National surveillance systems | yes | | | n/a | n/a | | |
| 20. Cancer incidence | GLOBOCAN 2008 and/or ECO 2008 for incidence. CI5plus for time trends. | yes | | National cancer registers | yes | | | n/a | | | |
| 21. (A) Diabetes, self-reported prevalence | Eurostat (EHIS) | yes | | HIS | yes | | | | n/a | | |



Work-in-progress section

Work-in-progress section (see definition in row 21 below)

| ECHI shortlist indicators | International data source | | | Underlying national data source | | | | | Remaining questions or suggestions | | |
|---|---|---|---|---|--|---------------------------------|-----|-----|------------------------------------|---|-------------------------|
| | ECHI preferred international data source | For your country, is data available in the preferred international data source? <i>Please choose from the drop-down menu for each cell.</i> <i>For pre-filled cells, please check the information given and adjust, if necessary. If adjustments occur, please highlight the respective answer by red font colouring.</i> | For your country, is data available in other international data sources? If yes, please specify | ECHI preferred data type | For your country, is the ECHI preferred data type available? <i>Please choose from the drop-down menu for each cell.</i> <i>For pre-filled cells, please check the information given and adjust, if necessary. If adjustments occur, please highlight the respective answer by red font colouring.</i> | Which dimensions are available? | | | | | |
| | | | | | | age | sex | SES | | region (according to ISARE recommendations) | others (please specify) |
| 15. Smoking-related deaths | Mortality data (all causes); Eurostat. Smoking prevalence data: EHS (as data from EHS will be available for all countries from EHS wave 2, please refer exclusively to mortality data in your report) | | | Mortality: National population statistics (death registers); Prevalence data: HIS, microcensus | | | | n/a | | | |
| 16. Alcohol-related deaths | Mortality data (all causes); Eurostat. Alcohol consumption prevalence data: EHS (as data from EHS wave 2, please refer exclusively to mortality data in your report) | | | Mortality: National population statistics (death registers); Prevalence data: HIS | | | | n/a | | | |
| 21. (B) Diabetes, register-based prevalence | Eurostat (diagnosis specific morbidity data; under development) | n/a | | administrative sources (clinical records, insurance data), disease registers, etc., according to Eurostat recommendations for morbidity statistics (under development). | n/a | | | | | | |
| 22. Dementia | Eurostat (diagnosis specific morbidity data; under development) | n/a | | administrative sources (clinical records, insurance data), disease registers, etc., according to Eurostat recommendations for morbidity statistics (under development). | n/a | | | | | | |
| 23. (B) Depression, register-based prevalence | Eurostat (diagnosis specific morbidity data; under development) | n/a | | administrative sources (clinical records, insurance data), disease registers, etc., according to Eurostat recommendations for morbidity statistics (under development). | n/a | | | | | | |
| 24. AMI | No international data source available | n/a | | Hospital discharge registries combined with causes of death registries; Alternatively: population based AMI-registries | | | | | | | |
| 25. Stroke | No international data source available | n/a | | Hospital discharge registries combined with causes of death registries; Alternatively: population based stroke-registries | | | | | | | |
| 26. (B) Asthma, register-based prevalence | Eurostat (diagnosis specific morbidity data; under development) | n/a | | administrative sources (clinical records, insurance data), disease registers, etc., according to Eurostat recommendations for morbidity statistics (under development). | n/a | | | | | | |



Development section

Development section (see definition in row 18 below)

| ECHI shortlist indicators | ECHI preferred international data source | ECHI preferred data type | Has data on this topic/indicator been requested on national level so far? | Remaining questions or suggestions |
|---|--|---|---|------------------------------------|
| 17. Excess mortality by extreme temperatures (formerly 'by heat waves') | Not decided yet | Mortality registers | | |
| 32. Suicide attempt | Not decided yet | Not decided yet | | |
| 37. General musculoskeletal pain | Not decided yet | HIS | | |
| 38. Psychological distress | Not decided yet | HIS | | |
| 39. Psychological well-being | Not decided yet | HIS | | |
| 65. Mobility of professionals | Not decided yet | Professional registers | | |
| 81. Waiting times for elective surgeries | OECD waiting-times-project | National hospital data | | |
| 82. Surgical wound infections | Not decided yet | Hospital discharge data | | |
| 83. Cancer treatment delay | Not decided yet | Population-based national cancer registries | | |
| 84. Diabetes control | Not decided yet | Surveys at clinical sites, review of patient records, population based surveys | | |
| 86. Policies on healthy nutrition | Not decided yet | Policy documents and comparable; some information might be obtained by interviews | | |
| 87. Policies and practices on healthy lifestyles | Not decided yet | Various types of data sources | | |
| 88. Integrated programmes in settings, including workplace, schools, hospital | Not decided yet | Policy documents and comparable; some information might be obtained by interviews | | |

Definition of indicators in the development section:

The development section contains those indicator topics that are not yet ready for incorporation into international regular data collections (and thus for implementation) due to considerable methodological and/or data availability problems.

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New topics/indicators

Proposed new topics / indicators

| Topics / indicators* | Suggested section in ECHI shortlist | Suggested international data source | Suggested data type | Has data on this topic/indicator been requested on national level so far? | Remaining questions or suggestions |
|--|-------------------------------------|--|---------------------|---|------------------------------------|
| Disability (barriers to participation in society) | Development | EHIS (might be included from wave 3 onwards) | HIS | | |
| Healthy ageing (Activities of Daily Living/Instrumental Activities of Daily Living in age group +65) | Implementation | EHIS | HIS | | |
| Current depressiveness | Implementation | EHIS | HIS | | |
| Subjective well-being | Implementation | EU-SILC | HIS | | |
| Consumption of sugar sweetened beverages | Development | not decided yet | HIS | | |
| Migrant health | Development | not decided yet | not decided yet | | |
| Refugee health (medical screening on public health grounds) | Development | not decided yet | not decided yet | | |
| Refugee health (provision of health care) | Development | not decided yet | not decided yet | | |
| | | | | | |
| <i>Please insert here suggestions for a potential additional indicator which you deem important</i> | | | | | |
| <i>Please insert here suggestions for a potential additional indicator which you deem important</i> | | | | | |

Criteria for the addition of new indicators to the shortlist according to JA-ECHIM:

- The new indicator should have a clear policy relevance (related to one of the major public health issues in Europe; the importance should be reflected by appearance of the issue in leading policy documents)
- The new indicator should not disturb the balance of the shortlist (no overlaps / no redundancies)
- Fit the general goals and concepts of the shortlist (the shortlist should provide a snapshot of public health from the point of view of the public health generalist; it should be suitable for reflecting time trends; it should provide a benchmark for international/EU comparisons)

The above pre-selection of potential new topics/indicators is based on expert consultation and current developments in international health information activities.

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Respondent information

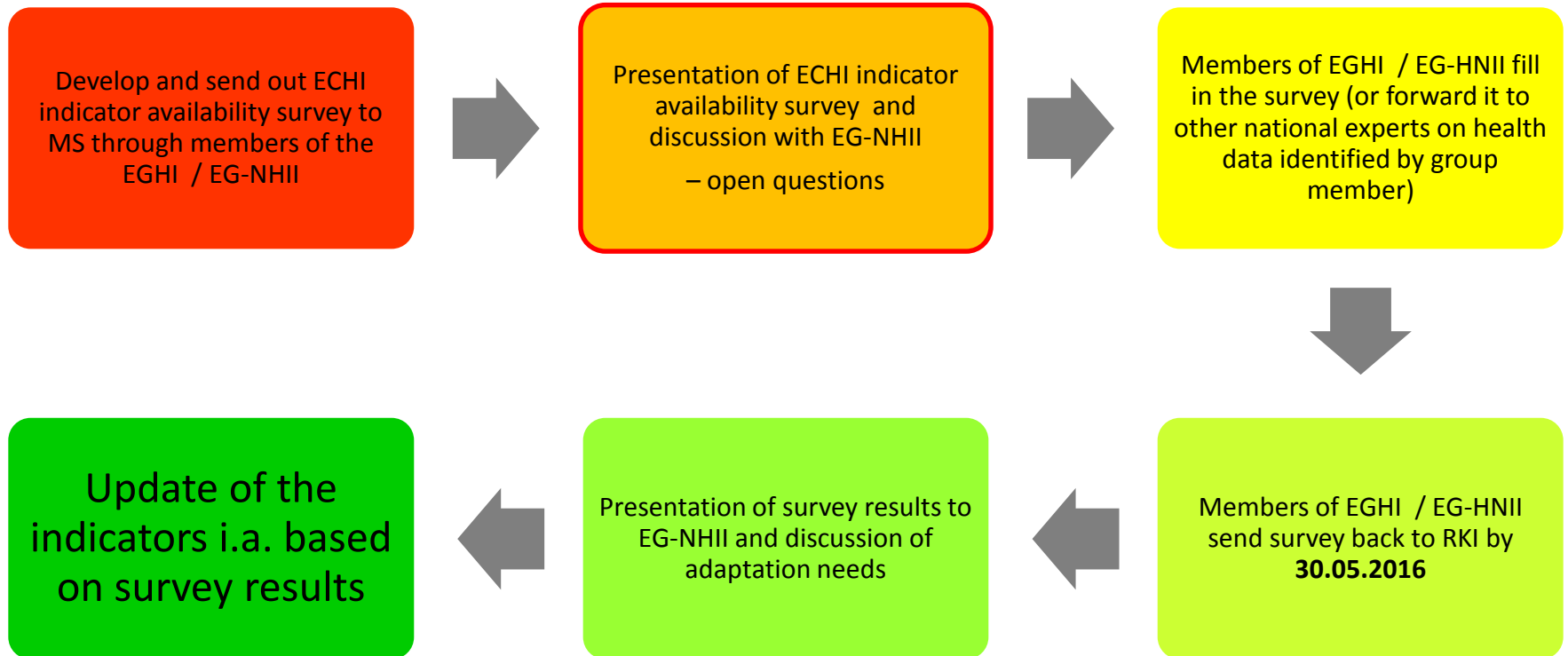
You have completed the questionnaire. In conclusion, may we ask you to give us some additional information in order to better allocate your responses.

Thank you for your support!

| | | Please choose your answer from the drop down menu | If you have selected 'yes' or 'other', please specify your answer |
|----|--|---|---|
| Q1 | Country | | n/a |
| Q2 | What is your current affiliation? | | |
| Q3 | Are you a member of the EGHI group? | | n/a |
| Q4 | Are you involved in other international activities regarding health indicators (organised by e.g. OECD, WHO, Eurostat, EC)? | | |
| Q5 | In your country, do regular meetings on the implementation of ECHI indicators take place (e.g. national implementation team activities)? | | |
| Q6 | In your country, are there general data problems regarding health information (e.g. ICD-10 is not implemented)? | | |



Availability survey - Procedure and proposed next steps



4.3.1. ECHI-indicator evaluation & reform (1)

Perform technical and content-related evaluations of the current ECHI-indicator approach including, where necessary, revisions and further development of the current ECHI Shortlist

1. Evaluate the usefulness of the current ECHI shortlist
 2. Propose revisions of the ECHI framework and sustainable future procedures
- Context:
 - Focus ECHI-list was on public health → stronger policy focus on health system performance and on the societal impact of health and care (well-being)
 - Need for a shorter core list (shorten or make different levels?)
 - Align with existing indicator frameworks (OECD, WHO, Eurostat, others)



4.3.1. ECHI-indicator evaluation & reform (2)

- Approach: existing ECHI indicator meta-information; earlier ECHI evaluations; expert (indicator) knowledge; survey among MS and EC policymakers and ECHI-expert group members; literature
- Criteria: balanced (both descriptive [= monitoring & evaluation] and actionable [performance indicators]); easily understandable, sensitive to change, plus (of course): availability and comparability and quality .
- Product: evaluation report



4.3.2 European health indicator repository

Design and fill a European health indicator repository

- Context & approach: create ‘institutional memory’ and overview of:
 - Outcomes from previous EU-funded projects (Health Monitoring Programme and Public Health Action Programmes)
 - Other relevant international health indicator sets (WHO (HFA), OECD, Eurostat, JAF health, Healthy Ageing, EMCDDA etc.)
- Issues:
 - What (not) to include?
 - Level of detail?
 - Structure/user windows?
 - Integrate with websites/portals, e.g. WHO health information gateway?
- Product: database (e.g. Excel, Access)



Discussion of WP4 tasks and support of EG-NHII

ECHI-indicator availability mapping

- General (e.g. technical) issues
- Issues regarding the Assessment of data availability (implementation / work-in-progress)
- Issues regarding the Data requirement analysis (development / new)

Further aspects to be discussed...

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