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Assessment of health risks of policies



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ABSTRACT

The assessment of health risks of policies is an inevitable, although challenging prerequisite for the inclusion of health considerations in political decision making. The aim of our project was to develop a so far missing methodological guide for the assessment of the complex impact structure of policies. The guide was developed in a consensual way based on experiences gathered during the assessment of specific national policies selected by the partners of an EU project. Methodological considerations were discussed and summarized in workshops and pilot tested on the EU Health Strategy for finalization. The combined tool, which includes a textual guidance and a checklist, follows the top-down approach, that is, it guides the analysis of causal chains from the policy through related health determinants and risk factors to health outcomes. The tool discusses the most important practical issues of assessment by impact level. It emphasises the transparent identification and prioritisation of factors, the consideration of the feasibility of exposure and outcome assessment with special focus on quantification. The developed guide provides useful methodological instructions for the comprehensive assessment of health risks of policies that can be effectively used in the health impact assessment of policy proposals.

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Introduction

Health is determined by a wide range of factors, most of them falling outside the scope of the health sector. Because health determinants

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Health impact assessment (HIA) is a methodological framework for predicting health impact of policy proposals and consequently to assist decision makers (WHO European Centre for Health Policy, 1999),

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although its incorporation in the decision-making process is cumbersome (Ádám, 2012; Davenport et al., 2006; Mannheimer et al., 2007). The standard HIA methodology consisting of screening, scoping, risk appraisal, decision making, monitoring and evaluation works well on projects and programmes where well-defined hazards are identified. The involvement of all stakeholders, combination of both qualitative and quantitative approaches and use of risk assessment methodology provide sound tool to quantify the risks related to hazards. If HIA is applied to policies a similar risk assessment method which would allow identification and quantification of risks is missing. Methods exist to quantify health effects in the risk factor-health outcome relation (Lhachimi et al., 2010; Lhachimi et al, 2012; Manuel et al., 2012; Steenland and Armstrong, 2006), especially the effects of environmental factors acting in a single causal pathway (Basham, 2001; McCarthy et al., 2002; Mesa-Frias et al., 2013; Utley et al., 2003). A concise, applicable guide that aids the impact assessment of the complex causal web of policies including social determinants of health is, however, not yet available.

The recognition of this deficiency in knowledge and methodology for conducting risk assessment on policy health effect led to the launch of the Risk Assessment from Policy to Impact Dimension (RAPID) 2009–2012 EU-funded project (RAPID, 2013). It had the primary aim to develop a methodological guidance for the assessment of health risks related to policies that analyse the "full chain" of causal pathways from policy level through health determinants and risk factors to health outcomes in an integrated manner. This article introduces the product of a series of methodological findings that provide a useful tool either for the HIA community or for those engaged with the assessment of policies, enabling them to effectively assist the political decisionmaking process regardless of the level and sector of the policy proposal.

Methods

The guidance for the top-down approach of assessing health risks of policies in an integrated manner was elaborated in a consensual way in the RAPID project. Ten partners from universities and national public health institutions of nine EU countries participated in the work. Each project partner selected a specific national policy and carried out its assessment. They could freely decide on the application of adequate methods and national and international information sources, only the main steps of the assessment were determined in advance. The assessment meant to analyse the policy and to describe all wider, including socio-economic, determinants of health influenced by the policy. Risk factors linked to these health determinants and health outcomes related to selected risk factors were finally identified and assessed. A strong focus of the project was to include quantitative risk assessment techniques in the analysis. The guidance was formulated with recommendations on various aspects of conducting quantitative assessment, like information need and feasibility, integration of quantitative and qualitative assessment elements in specified pathways, evaluation of horizontal interactions between elements of the same impact level, and characterization of uncertainty.

The case studies provided the basic input for the development of the guidance. The methodological findings, experiences and considerations that were found useful in the preparation of the case studies were presented and discussed on several work meetings of the project and the most expedient elements of the consensual methodology were summarized. After the consensus discussion the developed tool was circulated for final comments and approved as a working version. The first version of the agreed guidance was used to analyse selected parts of the EU Health Strategy (2008–2013). The experiences of the pilot testing allowed for its further improvement. The tool was then presented on a series of national workshops that were organised for experts involved in various risk assessment practices in the participating countries. The participants were invited from a database of risk assessors that was constructed in a previous phase of the project. They represented diverse areas (health, economics, construction, etc.) and organisations

(academic, governmental, private). The expert opinion of participants provided feedback to finalize the guidance as well as opportunity to distribute it in the professional community of risk assessors as potential users.

Results

Guidance for the assessment of health risks of policies

Policy

The assessed policy (strategy, programme or regulation) is preferably of substantial importance from a population health point of view, regardless of the sector and level of its initiation that can be either central, regional or local government, industry or other organisations. The commission for the conduct of assessment can come from policy makers. If the tool is applied within an on-going HIA the task can come from the scoping part of the process; if not used within an HIA then all following issues need to be considered at the beginning of assessment. In case a policy is not given at forehand or the policy is too broad that should be narrowed down, a transparent selection process is important. The most appropriate way is to have a set of criteria for the pre-selection of policies that should include the importance of the topic and the need of policy makers for assistance in the decision-making process. It is recommended to analyse the pre-selected policies by feasibility issues like availability of verifiable objectives, definable target group, valid data and dose-response functions and evidence on influenced health determinants and risk factors.

After the policy to be assessed is defined, a good understanding of the policy context is of crucial importance in order to be able to link the policy to impacts on health and health inequalities: map the impact structure, prioritise impact pathways and identify where the challenges come from. At first, problem identification and demand for action should be described in a concise way. Placing a national policy into an international context helps to identify the driving forces of policy making, meanwhile allows for finding similar policies implemented in other countries the experiences of which can be fruitfully applied then in the assessment process. It is worth reviewing the history of the policy, how it developed with time. The understanding of the legal environment and the relationship between the assessed and other related policies allows for the consideration of their interactions. The construction of a map about the policy's context in the national and international legal environment can be useful. The policy context regarding stakeholders and interests should be described in order to explain the development and main drivers of the policy in an objective manner. Detailed description of the policy content is needed in order to demonstrate the main goals of the policy, tools of implementation and methods of monitoring and evaluation if it is relevant. Force and effect of the legislation should be examined in order to identify target population and time course of the implementation. A policy can be well prepared, however, its implementation rather poor. To be able to assess the predictable effects of a policy, the feasibility of its measures should also be taken into account; the complexity of implementation, availability of resources (institutional, human and financial) as well as public acceptance and compliance should be all considered. A policy that has clear implementation plan is easier to be assessed for feasibility. The costs involved in implementation gives a starting point to cost-benefit considerations. The analysis of different scenarios, including the status quo, can effectively assist the choice between various policy options.

Health determinants

Health determinants are to link policies to the direct risk factors of health in the assessment process. In this way, the factors that are considered as the determinants – or wider determinants, upstream determinants, causes of causes – of health have typically rather qualitative nature in the assessment process. Determinants of health are defined by the Health Promotion Glossary of WHO as "the range of personal,

social, economic and environmental factors which determine the health status of individuals or populations" (WHO, 1998). In some cases, determinants of health might overlap with risk factors and it is difficult to differentiate them. Using a model that provides a set of health determinants can help to overcome this problem. There are various models to describe the structure of health determinants; those presenting the holistic model of health are preferable. The model of Lalonde can be effectively used (Lalonde, 1974), but other scientifically recognized models, like that of Dahlgren and Whitehead (1991), or Barton and Grant (2006) can also be applied.

The ways for identifying policy-influenced health determinants can vary, therefore the selection method should be transparently described. It can include extensive literature review, expert opinion or even involvement of stakeholder participation. The key issue in the selection of influenced health determinants is the availability of evidence for causality. Two approaches of selection can be distinguished: the broad consideration (not to lose any) and the strict one that prioritises health determinants. Prioritisation should focus on the strength of evidence available and feasibility of - favourably quantitative - assessment of health outcomes through the assessment of changes in the exposure levels of risk factors. Making decisions on an impact level based on the anticipatory evaluation of priority and feasibility issues related to lower levels, e.g. avoiding the selection of a health determinant to which risk factors and health outcomes cannot be related downstream in the impact pathway due to lack of evidence for causality, is a beneficial strategy for effective prioritisation. It can be referred to as internal loops of consideration between the levels of the causal chain. The selection process also depends on the primary intention of the assessment, that is, what policy-makers want to use the assessment for. Furthermore, the amount of resources available determines the need for prioritisation, too.

To conclude, a clear strategy for choosing health determinants for assessment is necessary. If selection is to be narrowed down, the way of prioritising among the various pathways should consider the strength of available evidence for causality that enables the judgement on the likelihood of the existence of impact. The other crucial aspect of prioritisation is the size/importance of the effect (size of population affected, severity of health effects, costs involved etc.). The formalization of the prioritisation process by using a systematic approach to assign values to the elements of causal chains by context-specific aspects of priority can further increase transparency.

Risk factors

Risk factors are those factors of the impact chain that directly affect health (proximal factors). Risk factors are defined according to the Health Promotion Glossary of WHO as "social, economic or biological status, behaviours or environments which are associated with or cause increased susceptibility to a specific disease, ill health, or injury" (WHO, 1998). This definition specifies factors with negative effect on health. However, one has to be aware that a factor could also be a protective factor having a positive effect on health. The prevalence or level of their contact with individuals is referred to as exposure. It is imperative to make a distinction between the risk factors acting in the impact chain and the risk factors modifying individual susceptibility. The latter is to be considered when identifying susceptible subgroups of the affected population.

To be able to assess the possible health outcomes of the selected causal pathways, thorough review and enlistment of all influenced risk factors is indispensable. The assessment should describe the exposed population, the routes of exposure and the exposure pattern in different population groups. The latter enables specific assessment of effects on various groups that allows for considering equity issues. The prioritisation of risk factors is based essentially on the same principles as that of health determinants. It should take into account the strength of evidence for causality, reliability of literature source and biological plausibility, as well as the significance of induced health effects. The latter is determined by the size of exposure change attributable to the policy, size of population affected and severity of related health outcomes. Since the extent of being exposed to risk factors may be not only characterized qualitatively but also measured in a quantitative way, an important consideration of selection for detailed analysis is the feasibility of numerical explanation. The quantification of exposure change due to policy implementation is based on the availability of applicable exposure measures and numerical information on the baseline level/prevalence of exposure, as well as on the expected change of exposure related to policy implementation (exposure assessment). The latter is ideally provided by studies observing the consequences of the introduction of similar policies, or can be based on expert opinion which usually implies larger uncertainty. The demand for quantification also depends on the interest of policy-makers and other stakeholders. Quantitative exposure assessment can provide the basis for the quantification of health outcomes, therefore availability of valid data and dose/ exposure-response coefficients for health outcome assessment should already be considered in the selection process of risk factors, making internal loops of consideration between the levels of the causal chain.

Health outcomes

Health outcomes that are causally related to the identified risk factors represent the final consequences of impact pathways. They must be unambiguously defined, since various stages of a causal chain can be considered as outcomes, like a disease or health states and events related to a disease. An adequate solution for clarification is the application of International Classification of Diseases (ICD) codes (see http://www. who.int/classifications/icd/en/). The evaluation of the importance of health outcomes should consider the strength of evidence for causality, as well as the condition's severity (related morbidity, disability and mortality), reversibility and frequency of its occurrence in the population. These features determine the public health importance of the health outcome.

The affected population has to be clearly identified with special attention to susceptible subgroups. Considering varying susceptibility in outcome assessment makes the evaluation of policy impact on health inequalities possible.

Health outcomes can be assessed in a qualitative or, if feasible, in a quantitative way. Qualitatively the direction of effect can be stated or the size of effect can be categorically described. However, a critical issue in the assessment of health outcomes is the possibility of quantification. It needs a decision on what kind of health measures, i.e. epidemiological frequency measures, to use as input and output data of the calculation process. In addition, consideration of the availability of valid baseline frequency data of the health condition and of dose/exposureresponse functions that may apply dose-response coefficients or relative risks is indispensable for the success. Values of frequency measures of health conditions and of exposures must be available for the affected population. They usually derive from routine statistics, populationbased registries or from surveys. Availability and validity of data is crucial in the process and therefore should be clearly described. The result of quantitative outcome assessment can be expressed in a frequency measure, like frequency of occurrence, morbidity, hospitalization and mortality (Example 1), or favourably in a complex measure of disease burden, like attributable death, potential years of life lost or disability adjusted life years (Example 2). The latter is an advantageous choice for expressing results of a risk assessment in a quantitative way, since it is a complex measure of disease burden combining effect on both morbidity and mortality. The cost-benefit analysis of policy introduction may also become possible based on the numerical expression of health outcomes.

Example 1. The case study on the housing program of North Rhine-Westphalia assessed how the provision of barrier-free homes in the region would affect the incidence of falls, consequent hip fracture and death in the elderly population. The quantitative assessment was based on population statistics and information from the literature and

estimated approximately 3000 to 8000 hip fractures and 600 to 1600 deaths due to hip fractures that could have been avoided in the year 2009, if all homes of people aged 65 years and older in the region were barrier-free (Guliš et al., 2014).

Example 2. The case study on the amendment of the Hungarian antismoking policy analysed the population health effect of banning smoking in all closed public places, workplaces and public transport vehicles. Data from the literature, national statistics and surveys were used to estimate the effect on disease burden. According to the conservative model that used 3% discounting and age-weighting, the point estimates of the long-term annual health gain were close to 1700 attributable death and 16,000 disability adjusted life years in the Hungarian population of 10 million (Ádám et al., 2013).

Cross-level issues

A key issue in the assessment of health risks of policies is the *quantification* of health effects. Quantitative assessment can be perceived as the quantitative expression of expected changes in health outcome measures by using numerical information on how a policy affects health outcomes directly or through induced changes in exposure levels of risk factors. Quantitative expression of results has advantages to qualitative description. It is favoured in the decision making process, since it helps in prioritising themes and considering cost–benefit relations, therefore it can effectively assist the bargain process. Constructing a logical algorithm from the policy proposal down to health outcomes can help in the clarification of the quantification process.

However, disadvantages of quantification should also be taken into consideration when applying such methods for assessment. A single estimate, even if favourable in decision-making, should not be the only disseminated result. A point estimate alone cannot reflect the complexity of the issue as well as the uncertainty of estimation. Health effects cannot be unconditionally added up as this may result in double counting, therefore the *horizontal interrelation* between various causal pathways at different levels should be assessed, too.

Transparency is a universal prerequisite for the description of any assessment processes. Assessors should provide a clear explanation on the method of information search, evidence evaluation, prioritisation of health determinants, risk factors and health outcomes, selection of applied measures and functions, data collection and validity assessment. An important factor of transparency is the description of uncertainties in the assessment process, too.

A crucial issue of professional correctness is the acknowledgement of *limitations* in the use of methodology. Admitting inability to assess health outcomes due to lack of data, functions, expert skills, etc., is a prerequisite of a transparent process description. Limitations also relate to the phenomenon of uncertainty. The statement that an outcome cannot be assessed implies infinite uncertainty.

Uncertainty is a natural attendant of predictions. The assessment of the impact of a policy, especially when it is prospective projection for the future, always involves uncertainty. It derives, among others, from the questionable strength of evidence and validity of data and functions applied. Numerical information is usually an estimate with inherited uncertainty due to random error of sampling, and it can be further enlarged by the presence of bias and by the extrapolation of information from one situation/population to another. Therefore the repeated statement that uncertainty exists has not much added value; rather its extent should be described in a qualitative or quantitative way. In the latter case, a range can be specified that functions as an interval estimate of the result. More about uncertainties and the way to communicate them could be found in published literature (Knol et al., 2009; WHO-IPCS, 2008).

Realization of impact may need time. The description of probable *latency* of effects is important information in the decision-making process. There is a latency period between the planning and implementation of a policy, as well as a lag phase between policy implementation and

development of health effects. The consideration of health outcomes dependent on time, i.e. differentiation between short and long term effects, is a favourable product of an assessment.

To describe and assess *strength of evidence* on different levels of the full chain assessment, users are recommended to use guidance on levels of evidence developed by the National Institute for Health and Clinical Excellence of the United Kingdom (National Institute for Health and Clinical Excellence, 2005; Weightman et al., 2005).

Checklist for the integrated assessment of health risks of policies

The methodological tool, which is a product of consensus discussion based on individual national case studies, is summarized as a checklist that can be used together with the guidance for policy health risks assessment (Table 1). It identifies main issues to be addressed on each level of the impact chain and provides help on how to conduct the assessment in broad terms.

Discussion

The Gothenburg consensus paper set the framework and the basic principles for health impact assessment (WHO, 1988). Since then, experience has accumulated and demands for the assessment of health effects of various proposals and initiatives have grown substantially (Dannenberg et al., 2006, 2008; Veerman et al., 2005). Several guidelines have been developed with the aim to unify methodology and aid users in their efforts to predict impact on health (Abrahams et al., 2004; Bathia, 2010; Bhatia et al, 2010; Chadderton et al., 2013; Cole et al., 2005; Harris et al., 2007; Health Canada, 2004; Human Impact Partners, 2011; Metcalfe et al., 2009; Quigley et al., 2006; Scott-Samuel et al., 2001; Taylor and Blair-Stevens, 2002). Methods for the quantitative assessment of health outcomes have also been formulated, typically providing a model for the characterization of risk factor-health outcome relation (Boshuizen et al., 2012; Veerman et al., 2005). They either apply an algorithm to predict risk in an epidemiological approach or use classical toxicological functions. The latter is typical for the assessment of health effects related to environmental exposures (Basham, 2001; Kheirbek et al., 2013; Samoli et al., 2008). Framework for the integrated quantitative assessment of health risks in environmental health impact assessment has been developed, too (Briggs, 2008). However, a universal methodological guideline for the assessment of the complex impact structure of policies that typically include not only environmental but also socio-economic determinants of health has been lacking.

The intention of the RAPID project was to formulate a methodological tool for those who want to carry out comprehensive assessment of health risks related to policy proposals. It can be used either as a standalone tool or within the risk appraisal part of a HIA. Although impact assessment is required within the European Commission as a preparatory action for EC decisions but it discusses health issues rather rarely. The impact assessment of EU policies is mostly oriented towards economy, competitiveness and social issues (employment, education). The presented tool is designed to serve the implementation of the "Health in all policies" principle on national and international level alike, as it allows for the comprehensive systematic assessment of health effects of policies and the identification of the role of relevant sectors within policy development. To reach the potential users, information on the development of the tool was disseminated by the project website (RAPID, 2013), via a series of workshops at European public health conferences as well as at national workshops organised for risk assessors in the time period of 2009–2012.

The most important limitations of the guidance are the lack of experience from external testing, its "broadness", and its sensitivity to cultural issues and understanding of terminology. The guidance was developed as a consensus document based on national case studies, the EU case study and consultation via national workshops. Nevertheless, experiences from testing the completed guidance on different policy

Table 1

Checklist for the integrated assessment of health risks of policies.

Source: Guliš G., Mekel O., Ádám B. and Cori L., (Eds.), Assessment of population health risks of policies, 2014, Springer; New York. With kind permission of Springer Science + Business Media.

	Content of analysis	How to do
Policy	 Place the policy into international, national, regional or local context Describe policy content (main goals, scope, implementation plan, methods of monitoring and evaluation) Identify the problem, demand for action, policy actors and ideas Identify target population of the policy Identify performance and outcome indicators in the policy Assess whether timeframe for goals and actions is set Consider if cross-analysis across principles, goals and actions could be conducted Assess the time course, feasibility and cost of implementation List information sources to do the assessment and description 	 The policy to be assessed is usually provided by policy-makers Read the policy and make a shortlist containing goals, actors, targets, tools, timeframe, implementation mechanisms and monitoring and evaluation mechanisms Seek policy expert opinion if necessary Consult authors/stakeholders of the policy Consider the entire policy making process in socio-political context Consider feasibility of assessment (verifiable objectives, definable target group of the policy, preliminary evidence for health impact)
Determinants of health	 Define the applied model of health determinants preferably presenting the holistic model of health (Lalonde, Dahlgren & Whitehead, etc.), use a pre-set list of health determinants Identify which health determinants are influenced by the policy in a transparent way Decide upon using a full-scale or limited selection of health determinants for assessment; if limited selection is used, describe horizontal prioritisation of health determinants, make internal loops of consideration between the levels of the causal chain in the prioritisation process Consider strength of evidence for causality/association/plausibility of the policy impact on determinants, importance of the related effect (size of population affected, severity of health effects, costs involved), feasibility of assessment favourably in a quantitative way, demand of policy-makers and extent of resources available Assess interactions between health determinants 	 Extensive literature search, use available evidence summaries, reviews Use expert opinion – public health and public health policy experts are recommended Consult stakeholders Use a horizontal prioritisation tool, for example: Score each of the following criteria: number of people affected, quality of life affected, related national expenses and strength of literature evidence from 1 (minimum) to 5 (maximum) for each relevant determinant of health Place results into a table, summarize them by determinants and make a ranking
Risk factors	 List information sources used to make the assessment and description Enlist all influenced risk factors by wider determinants of health Prioritise risk factors in a transparent way; make internal loops of consideration between the levels of the causal chain in the prioritisation process Consider strength of evidence (reliability of literature source, biological plausibility, etc.) and significance of induced health effects (size of exposure change influenced by the policy, size of population affected, severity of related health outcomes) Consider feasibility of quantitative exposure assessment (availability of applicable exposure measures, numerical information on the baseline level/prevalence of exposure and on the expected change of exposure related to policy implementation) Describe routes of exposure Describe exposed population and exposure pattern in different population groups (equity) Assess interaction between risk factors 	 Literature search with focus on epidemiological literature Database search (international and national statistics offices, environmental exposure databases, etc.) Qualitative assessment by indicating the direction of change or categorically describing its size Quantitative assessment by calculating frequency (prevalence) or level (dose, concentration) of exposure If direct exposure measures are not available, use proxy measures Use a horizontal prioritisation tool, for example: Score each of the following criteria: number of people affected, quality of life affected, related national expenses and strength of literature evidence from 1 (minimum) to 5 (maximum) for each relevant determinant of health Place results into a table, summarize them by risk factor and make a ranking
Health outcomes	 List information sources used to make the assessment and description Define influenced health outcomes (apply ICD codes) Prioritise health outcomes in a transparent way Consider strength of evidence for causality, severity (morbidity, disability and mortality), reversibility and frequency of occurrence in the population (in short the public health importance) Identify populations affected with special attention to susceptible subgroups (equity) Consider availability and validity of baseline frequency data of the health condition and of dose/exposure-response functions applying dose-response coefficients or relative risk estimates Assess change in health outcomes Determine cost related to health outcome if possible 	 Literature search including medical, epidemiological and health economic literature Database search (international and national statistics offices, other international, national, regional, local databases) Qualitative assessment by indicating the direction of change or by categorically describing the size of effect Quantitative assessment by calculating simple frequency measures (morbidity, hospitalization, mortality, etc.) or measures of disease burden (attributable death, potential years of life lost and disability adjusted life years); give preference to complex disease burden measures (e.g. disability adjusted life years) if available and feasible
Cross-level issues	 Consider advantages and disadvantages of quantification (a single estimate may cover the complexity of the issue as well as the uncertainty of estimation, double counting) There are likely to be many different full chain pathways within one case; if possible assess interrelations between various causal pathways Indicate baseline scenario (what if current trends continue without policy change) at the various levels of the chain Acknowledge limitations in the use of methodology Describe uncertainty in a qualitative or quantifative way (provide ranges for estimates) at relevant points of the causal pathways as well as the overall uncertainty related to the full chain assessment 	

topics could add valuable information to its further improvement. We would like to encourage readers to use it and provide feedback. The broadness of the guidance is given by the topic; policies are usually complex so should be the guidance for risk assessment. In different countries public health has different meanings and so do the terms, such as determinants of health and risk factors which are often used interchangeably. This poses the guidance to a kind of cultural sensitivity, e.g. terms and steps can be diversely interpreted based on the understanding of their meaning.

Despite of the limitations, the broad range of topics addressed to develop the guidance ensures its wide applicability. The case studies included tobacco and energy policy, housing subsidy program, air pollution legislation, policy on alcohol, wine production, road safety, X-ray computed tomography use and pandemic influenza interventions. Details about the case studies can be found in the book by Guliš et al. (2014) that describes the achievements of the RAPID project.

The comprehensive assessment of health impact of various policies requires the mapping of the full impact scheme, following each level of the causal chain from the policy proposal through related health determinants and risk factors to health outcomes. The prioritisation of factors on each level in a systematic transparent way, the consideration of evidence and feasibility of assessment including advantages and disadvantages of quantification, the assessment of horizontal interactions between impact pathways, the evaluation of the latency period for the realization of health effects and the description of uncertainty of estimates are the major issues identified and addressed by our work. The checklist offers a logical framework that lists up important issues to be considered during the assessment process and gives advice on implementation. The guidance provides detailed explanation about the critical aspects of assessment that helps using the checklist. However, this combined tool is not a cookbook. It is intended to be used by those who have previous experience with risk assessment and HIA, although it can offer assistance in getting started for those who are new in the field, too.

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