



Prevention of skin cancer caused by natural UV irradiation for outdoor workers: Validation, implementation and evaluation of a curriculum for multipliers "ForMulA UV 2.0"

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Introduction

With the recognition of 'squamous cell carcinoma or multiple actinic keratosis of the skin caused by natural UV radiation' as occupational diseases in 2015, the number of suspected cases has risen annually. In 2017, 8,558 notifications were registered by the German statutory social accident insurance bodies. Therefore, prevention is of utmost importance.

- Within the project 'ForMulA UV 1.0' we developed the curriculum for a 2-day multiplier training in prevention of occupational skin cancer, based on the steps problem determination and strategy formulation of the public health action cycle (see Figure 1).
- The **target group** of this intervention, which is intentionally designed as advanced training course, are the **multipliers** working in the section of German statutory social accident insurance bodies (e.g. employees of the prevention services).
- The aim of the follow-up project 'ForMulA UV 2.0' is the implementation and evaluation of the developed curriculum (see Figure 1).

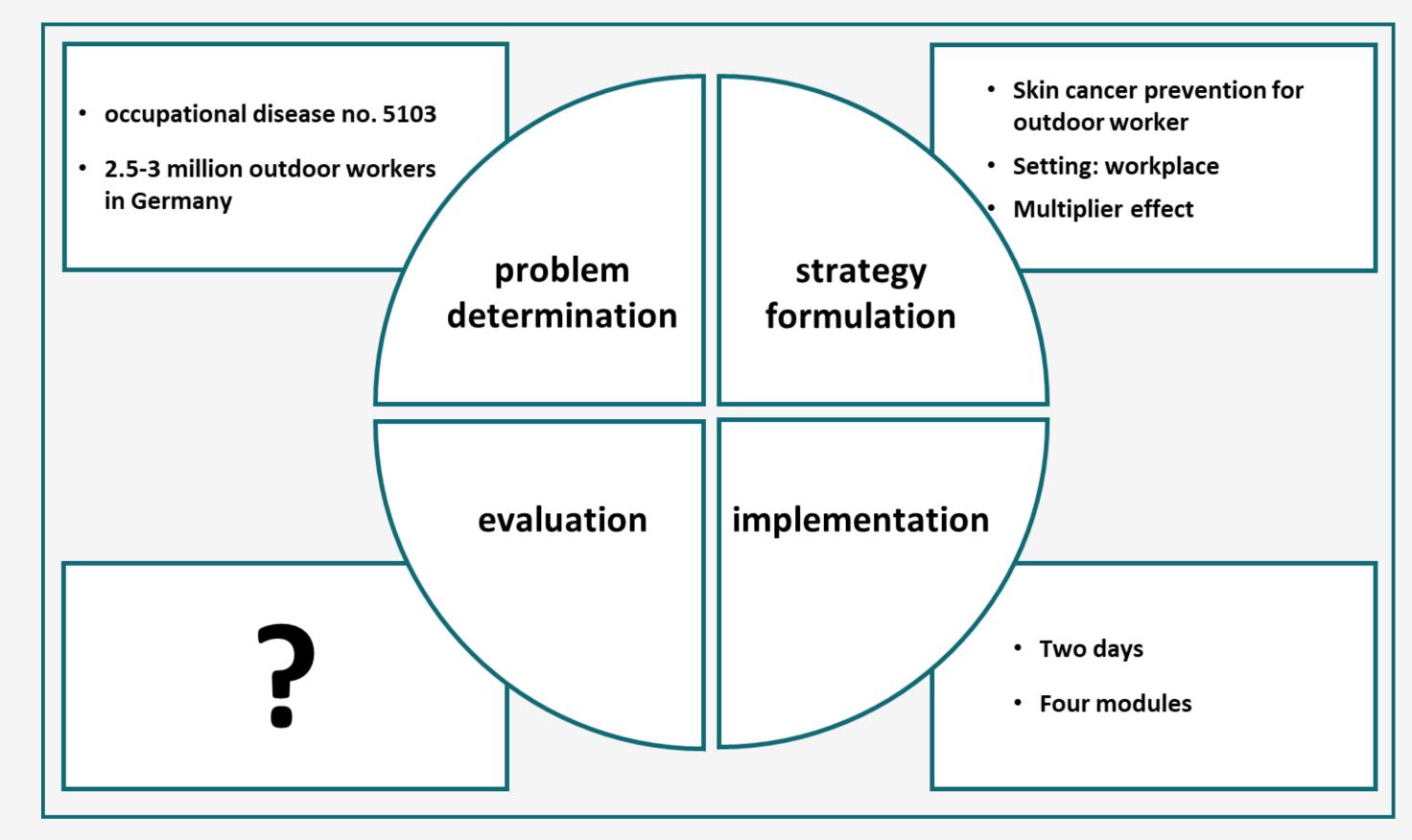


Figure 1: Process of intervention development according to the Public Health Action Cycle

Methods

- The participants of an **expert workshop** (including physicians, patients' mandatories and representatives of the National Skin Cancer Care Conference) will initially evaluate the curriculum through a process of formative assessment and reach a consensus on this concept.
- The overall concept (e.g. number of modules), content (e.g. scope, depth), methods (e.g. experiments) and organizational aspects (e.g. use of media) are discussed and consented with the experts.

Results

The intervention will be developed with the participation of potential multipliers (ForMulA UV 1.0) and experts (see Figure 2).

- In this way, **requirements** of multipliers can be integrated.
- The experts ensure the **quality** of the content.
- This is followed by the first **implementation** of the curriculum in a pilot event (for multipliers).
- Trainers and participants evaluate the advanced training course considering practicability and utility.

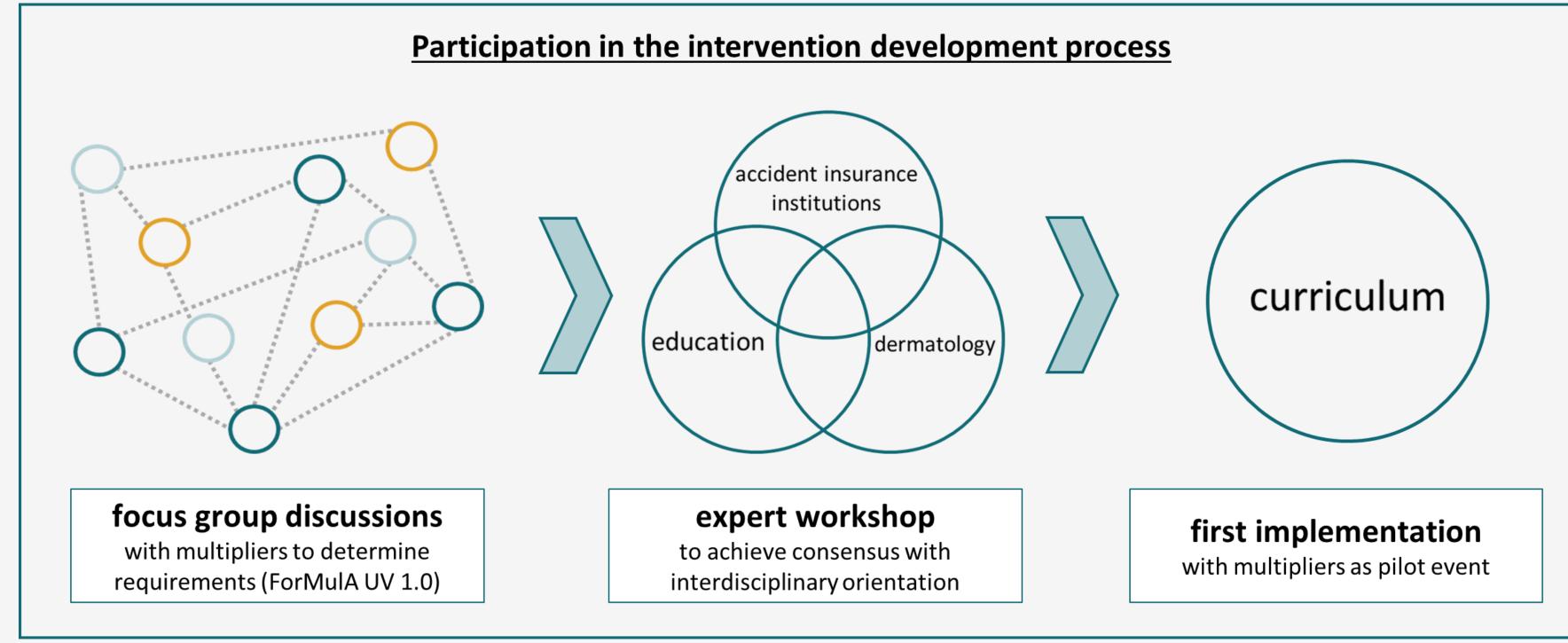


Figure 2: Participation in the intervention development process

Conclusions

In the future, the training will be offered regularly and thus, it will make a substantial contribution to the **prevention of occupational skin cancer caused by natural UV irradiation** in outdoor workers.

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