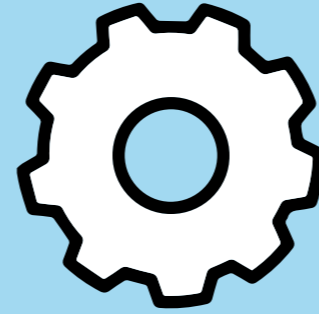
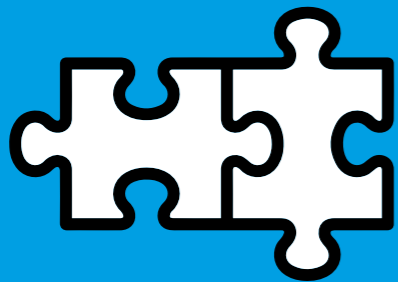


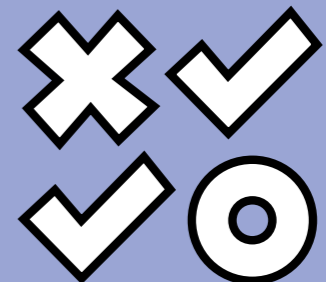
development



implementation



testing





Content

- **development**

Theoretical underpinning
Product specification
Product development

- **testing**

Usability testing
Validation
(Cost-)effectiveness testing

- **implementation**

Implementation blueprint
Dissemination plan
Monitoring



Product definition



development



testing



implementation

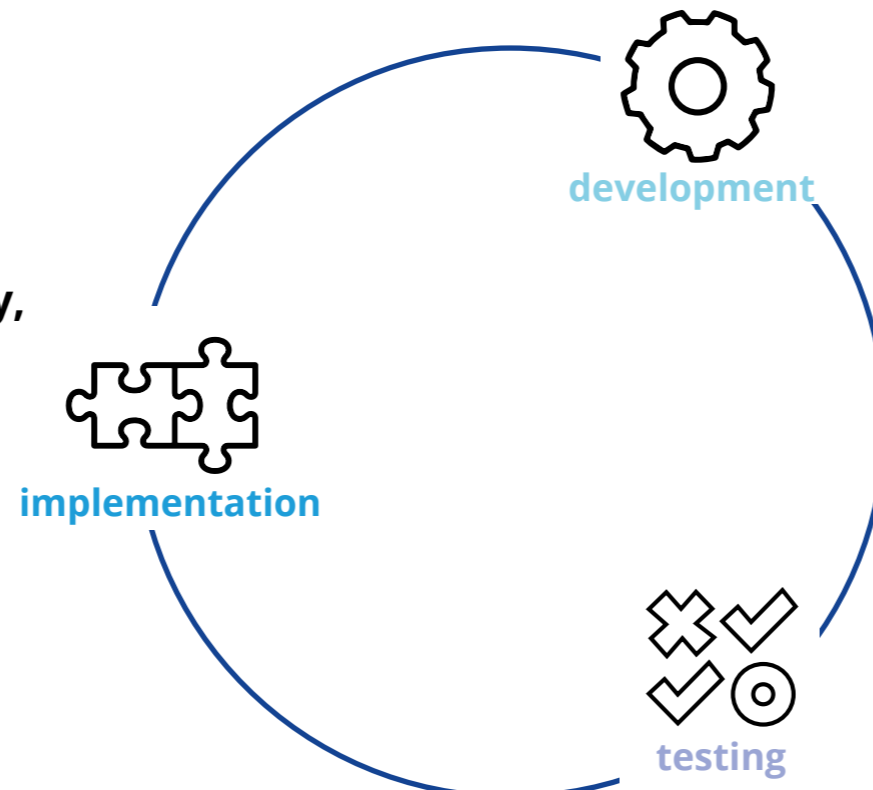


i About this Toolkit

The development of high quality, easy-to use, safe, evidence based, and implementable eMental Health products is challenging due to the many disciplines and professionals involved each having their own definition and requirements of a good product and their own standards for evaluation of succes.

Function

This Toolkit guides you through the process of developing eMental Health products with implementation in routine practice in mind. It helps you to think about the product from different perspectives (e.g. technological, legal, users, designers, health care providers), and how it can meet imperative quality criteria with respect to its evidence-base, technical features, privacy/security, safety, and functionality.



How to ...

The Toolkit consists of **three phases**: development, testing, and implementation. In each phase you **describe or define** different parts of your product (e.g. theoretical underpinning, technical features, effectiveness, implementation plan).

The toolkit contains **links to tools and references** that can support you in each phase.

The Toolkit helps you to define your product and you can collate key information about your product in a **product definition page** that can easily be shared with others showing the quality of your product.

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eMEN



development



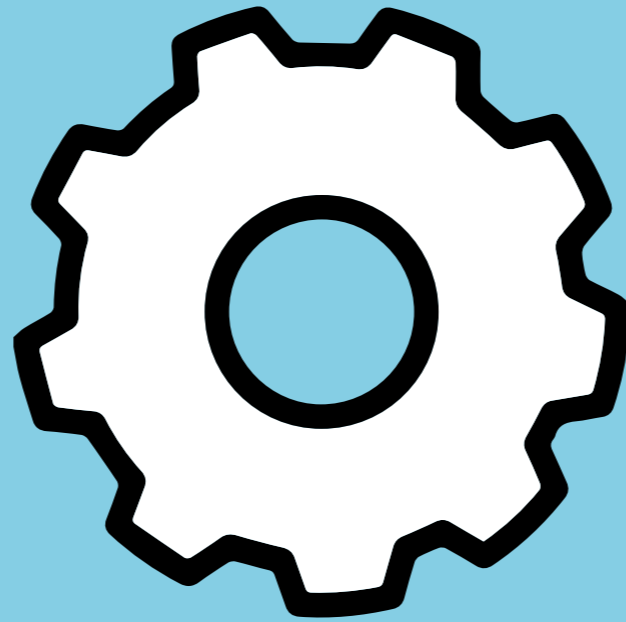
testing



implementation



development



development



Theoretical underpinning



Product specification



Product development



testing



implementation



development

theoretical underpinning

Description of theoretical basis, components, working mechanism, and evidence

general

tools

references



product definition



development



theoretical underpinning

Description of theoretical basis, components, working mechanism, and evidence

general

tools

references



product definition



development



testing



implementation



development

theoretical underpinning

Description of theoretical basis, components, working mechanism, and evidence

general

tools

references



product definition





development



product specification

Description of technical features and functionalities

general

tools

references



product definition



development



testing



implementation



development



product specification

Description of technical features and functionalities

general

tools

references



product definition



development



testing



implementation



development



product specification

Description of technical features and functionalities

general

tools

references



product definition



development



testing



implementation



development



product development

Agile iterative process of designing and testing resulting in a functioning product

general 

tools

references



product definition



development



testing



implementation



development



product development

Agile iterative process of designing and testing resulting in a functioning product

general

tools

references



product definition



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testing



implementation



development



product development

Agile iterative process of designing and testing resulting in a functioning product

general

tools

references



product definition



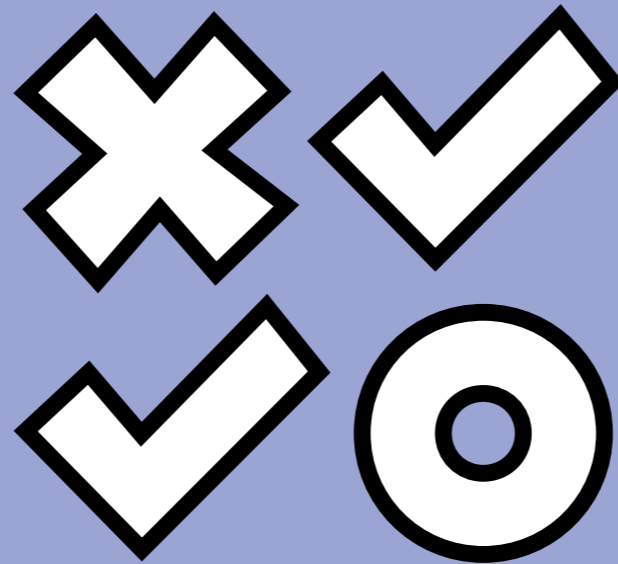
development






testing



implementation



testing

-  Usability testing
-  Validation 18
-  (Cost-)effectiveness testing





testing



usability testing

Evidence of user-friendliness and feasibility

general

tools

references



product definition



development



testing



implementation



testing



usability testing

Evidence of user-friendliness and feasibility

general

tools

references



product definition



development



testing



implementation



testing



usability testing

Evidence of user-friendliness and feasibility

general

tools

references



product definition



development



testing



implementation



testing



validation

Evidence for theoretical principles

general

tools

references



product definition



development



testing



implementation



testing



validation

Evidence for theoretical principles

general

tools

references



product definition



development



testing



implementation



testing



validation

Evidence for theoretical principles

general

tools

references



product definition



development



testing



implementation



testing



(cost-)effectiveness testing

Determine evidence for (cost-)effectiveness

general

tools

references



product definition



development



testing



implementation



testing



(cost-)effectiveness testing

Determine evidence for (cost-)effectiveness

general

tools

references



product definition



development



testing



implementation



testing



(cost-)effectiveness testing

Determine evidence for (cost-)effectiveness

general

tools

references



product definition



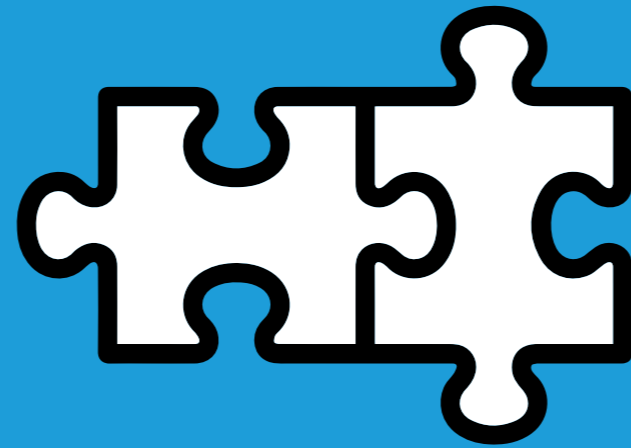
development



testing



implementation



implementation



-  Implementation blueprint
-  Dissemination plan
-  Monitoring





implementation



implementation blueprint

Outline for use in routine practice, including training and resources, and a business case

general 

tools

references



product definition



development



testing



implementation



implementation



implementation blueprint

Outline for use in routine practice, including training and resources, and a business case

general

tools

references



product definition



development



testing



implementation



implementation



implementation blueprint

Outline for use in routine practice, including training and resources, and a business case

general

tools

references



product definition



development



testing



implementation



implementation

dissemination plan



Reports of evaluation results, product promotion and adoption

general 

tools

references



product definition



development



testing



implementation



implementation

dissemination plan



Reports of evaluation results, product promotion and adoption

general

tools

references



product definition



development



testing



implementation



implementation

dissemination plan



Reports of evaluation results, product promotion and adoption

general

tools

references



product definition



development



testing



implementation



implementation



monitoring

Outline infrastructure for monitoring long term outcomes of use

general

tools

references



product definition



development



testing



implementation



implementation



monitoring

Outline infrastructure for monitoring long term outcomes of use

general

tools

references



product definition



development



testing



implementation



implementation



monitoring

Outline infrastructure for monitoring long term outcomes of use

general

tools

references



product definition



development



testing



implementation



product definition



development

Characteristics

- Target group
- Aim of the product
- Developers
- Type of technology
- Hardware-software
- Setting

Functionality

yes|no

- Information on usability available
- User experience tested

Safety

yes|no

- Information on adverse effects available
- Disclaimer available

Evidence-Base

yes|no

- Theoretically based
- Proof of principle tested
- Effectiveness tested
- Cost-effectiveness tested

Privacy/ Security

yes|no

- GDPR proof (yes/no)
- Information on privacy-security available for users

Technology

yes|no

- Medical device
- Technological validity confirmed
- Technical support available
- Regular updates

My additional features



testing



implementation

