



eunethta
EUROPEAN NETWORK FOR HEALTH TECHNOLOGY ASSESSMENT

1
2
3
4
5
6
7
8
9
10

D5.1 Submission Dossier Guidance

Version 0.3, 04 July 2022

11 Document history and contributors

Version	Date	Description
V0.1	26/04/2022	First draft
V0.2	24/05/2022	Second draft
V0.3	04/07/2022	Final for public consultation

12

13 Disclaimer

14 This document was produced under the Third EU Health Programme through a service contract
 15 with the European Health and Digital Executive Agency (HaDEA) acting under mandate from
 16 the European Commission. The information and views set out in this document are those of the
 17 author(s) and do not necessarily reflect the official opinion of the Commission/Executive
 18 Agency. The Commission/Executive Agency do not guarantee the accuracy of the data included
 19 in this study. Neither the Commission/Executive Agency nor any person acting on the
 20 Commission's/Executive Agency's behalf may be held responsible for the use which may be
 21 made of the information contained herein.

22 Participants

Hands-on Group	Haute Autorité de Santé [HAS], France Institut für Qualität und Wirtschaftlichkeit im Gesundheitswesen [IQWiG], Germany
Project Management	Zorginstituut Nederland [ZIN], The Netherlands
CSCQ/CEB	Agencia Española de Medicamentos y Productos Sanitarios [AEMPS], Spain Austrian Institute for Health Technology Assessment [AIHTA], Austria Belgian Health Care Knowledge Centre [KCE], Belgium Gemeinsamer Bundesausschuss [G-BA], Germany Haute Autorité de Santé [HAS], France Institut für Qualität und Wirtschaftlichkeit im Gesundheitswesen [IGWiG], Germany Italian Medicines Agency [AIFA], Italy National Authority of Medicines and Health Products [INFARMED], Portugal National Centre for Pharmacoeconomics [NCPE], Ireland National Institute of Pharmacy and Nutrition [NIPN], Hungary Norwegian Medicines Agency [NOMA], Norway The Dental and Pharmaceutical Benefits Agency [TLV], Sweden Zorginstituut Nederland [ZIN], The Netherlands

23

24 The work in EUnetHTA 21 is a collaborative effort. While the agencies in the Hands-on Group will be actively writing the
 25 deliverable, the entire EUnetHTA 21 consortium is involved in its production throughout various stages. This means that the
 26 Committee for Scientific Consistency and Quality (CSCQ) will review and discuss several drafts of the deliverable before
 27 validation. The Consortium Executive Board (CEB) will then endorse the final deliverable before publication.

28 Copyright

29 All rights reserved.

30



31	Table of contents
32	I Introduction
33	II General dossier requirements
34	III Overview of the dossier structure
35	IV Structure and content of the dossier
36	

DRAFT

37 **List of abbreviations**

Abbreviation	Meaning
AIMD	Active implantable medical device
ATC	Anatomical Therapeutic Chemical (code)
ATMP	Advanced therapy medicinal product
CE	Conformité Européenne
CEB	Consortium Executive Board
CHMP	Committee for Medicinal Products for Human Use
CSR	Clinical study report
CTD	Common technical document
DSM	Diagnostic and Statistical Manual of Mental Disorders
EMA	European Medicines Agency
EU	European Union
HTA	Health technology assessment
HTA R	Health technology assessment regulation (Regulation (EU) 2021/2282)
HTD	Health technology developer
ICD	International Statistical Classification of Diseases and Related Health Problems
IVD	In vitro diagnostic
IVD R	In vitro diagnostic regulation (Regulation (EU) 2017/746)
MD	Medical device
MD R	Medical device regulation (Regulation (EU) 2017/745)
MRI	Magnetic resonance imaging
PICO	Population, intervention, comparator, outcome
PRIME	Priority medicine scheme of the European Medicines Agency
SmPC	Summary of product characteristics
SSCP	Summary of safety and clinical performance
SSP	Summary of safety and performance
UDI-DI	Unique device identification-device identifier (according to Regulation (EU) 2017/745)

38

39

40 **I Introduction**

41 According to Regulation (EU) 2021/2282 on health technology assessment (HTA R), a dossier
42 including the information required for health technology assessment (HTA) of a medicinal
43 product or medical device (MD) should be submitted by the health technology developer
44 (HTD). This dossier forms the basis for the assessment process and the joint clinical assessment
45 report.

46 The current requirements for the content of a European HTA dossier are set out in Annex I and
47 Annex II to the HTA R (Article 9.4): “The dossier for medicinal products shall include the
48 information set out in Annex I. The dossier for medical devices and in vitro diagnostics medical
49 devices shall include the information set out in Annex II”.

50 This guidance indicates an appropriate format for the information and data that are required for
51 submission in accordance with the HTA R. HTDs should not modify the overall organisation
52 of the dossier as outlined in this guidance. The guidance only includes a high-level structure.
53 Within this structure, the presentation of information and data can be developed to provide the
54 best possible presentation of the information to facilitate understanding and assessment of the
55 data.

56 This guidance is a first component of the overall framework of submission guidance. It
57 describes the overall structure and the general requirements for the submission. In addition to
58 the requirements laid down in this guidance, further guidance adopted by the Consortium
59 Executive Board (CEB) has to be taken into consideration when preparing a dossier for a joint
60 clinical assessment. This will comprise a template for the submission dossier and a set of table
61 and figure templates further specifying technical requirements and methodological guidance.

62



63 **II General requirements for the dossier**

64 According to Regulation (EU) 2021/2282 (Article 9.3) the dossier shall meet the following
65 requirements:

- 66 ■ The evidence submitted is complete with regard to the available studies and data that
67 could inform the assessment.
- 68 ■ The data have been analysed using appropriate methods to answer all the research
69 questions for the assessment.
- 70 ■ The presentation of the data is well structured and transparent, thereby allowing for
71 appropriate assessment within the limited timeframes available.
- 72 ■ The dossier includes the underlying documentation with respect to the information
73 submitted, thereby allowing the assessor and co-assessor to verify the accuracy of that
74 information.

75

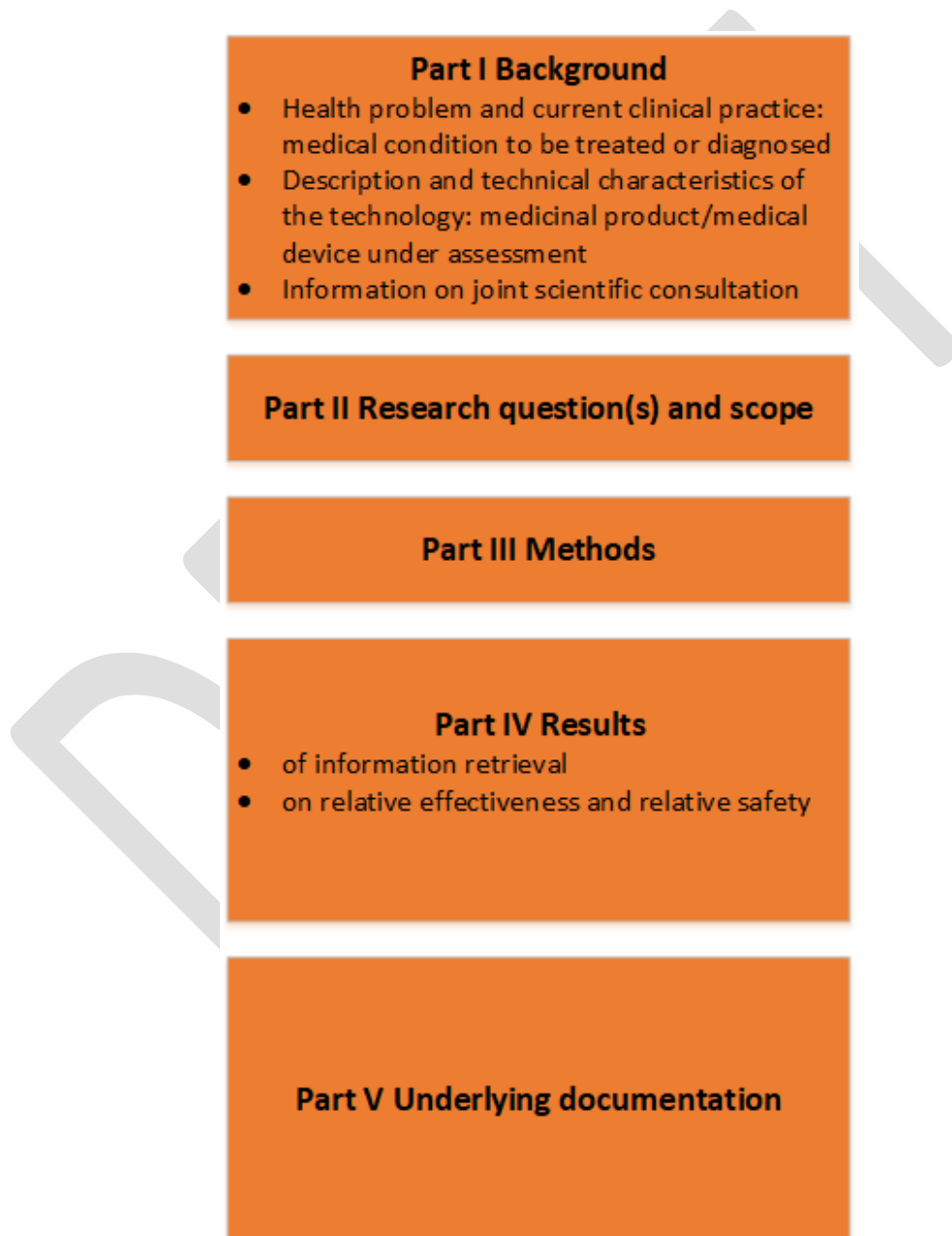
76

DRAFT

77 **III Overview of the dossier structure**

78 The dossier should inform the joint clinical assessment of the health technology in question.
79 Thus, it should provide information for the clinical domains for HTA: the health problem
80 addressed by the technology under assessment and the current use of other health technologies
81 addressing the health problem, a description and technical characterisation of the health
82 technology, and the relative clinical effectiveness and relative safety of the health technology.

83 The presentation of information in the dossier is organised into five sections as depicted in
84 Figure 1.



85

86

Figure 1. High-level structure of the dossier.



87	IV	Structure and content of the dossier	
88			
89	1	Background	10
90	1.1	Characterisation of the health condition to be treated or diagnosed	10
91	1.1.1	Overview of the health condition to be treated	10
92	1.1.2	Characterisation of the target population	10
93	1.1.3	Clinical management of the health condition	11
94	1.2	Characterisation of the medicinal product/medical device under assessment	11
95	1.2.1	Characteristics of the health technology	11
96	1.2.2	Requirements/instructions for use	13
97	1.2.3	Regulatory status of the technology	14
98	1.3	Joint scientific consultation related to the joint clinical assessment	14
99	2	Research question and assessment scope	14
100	3	Methods used in the development of the dossier content	15
101	3.1	Criteria for selecting studies for joint clinical assessment	15
102	3.2	Information retrieval and selection of relevant studies	16
103	3.3	Data analysis and synthesis	17
104	4	Results	18
105	4.1	Results from the information retrieval process	18
106	4.2	Characteristics of the studies included	19
107	4.3	Study results on relative effectiveness and relative safety	19
108	4.3.1	Results for the patient population < to be specified >	19
109	4.3.1.1	Patient characteristics	19
110	4.3.1.2	Outcomes for the PICO <to be specified >	19
111	Appendix A	Tabular listing of all studies included in the description of relative effectiveness and safety	21
112			
113	Appendix B	Underlying documentation for medicinal products	22
114	B.1	Full texts of references	22
115	B.2	Documentation of information retrieval	22
116	B.3	Programming code for programs used for analyses	22
117	B.4	Study reports	22
118	B.5	Clinical safety and efficacy data included in the submission file to the European Medicines Agency	22
119			
120	B.6	HTA reports of the health technology subject to the joint clinical assessment	22



121	B.7	Information on studies based on registries.....	22
122	B.8	Information on joint scientific consultations	22
123	Appendix C	Underlying documentation for medical devices	23
124	C.1	Full texts of references	23
125	C.2	Documentation of information retrieval	23
126	C.3	Programming code for programs used for analyses.....	23
127	C.4	Study reports	23
128	C.5	For medical devices: clinical evaluation documentation	23
129	C.6	For in vitro diagnostic medical devices: performance evaluation documentation.....	23
130	C.7	HTA reports of the health technology subject to the joint clinical assessment	23
131	C.8	Information on studies based on registries.....	24
132	C.9	Information on joint scientific consultations	24
133			
134			
135			

DRAFT

136 **1 Background**

137 **1.1 Characterisation of the health condition to be treated or diagnosed**

138 *1.1.1 Overview of the health condition to be treated*

139 In order to provide an overview of the health condition, this section of the dossier should:

- 140 ▪ Describe the disease or health condition in the scope of this joint clinical assessment,
141 including criteria for diagnosis, if available, using a standardised code such as the
142 International Statistical Classification of Diseases and Related Health Problems (ICD)
143 code or Diagnostic and Statistical Manual of Mental Disorders (DSM) code (and the
144 version of the code).
- 145 ▪ If relevant, describe the main subtypes and/or stages of the disease or health condition.
- 146 ▪ Include any prognostic factors that may affect the course of the disease or health
147 condition and the prognosis of the health condition without the new treatment.
- 148 ▪ Present an estimate of the prevalence and/or incidence for the health condition in Europe
149 for the past 5 years including recent trends and, if applicable, describe any profound
150 differences between European countries.
- 151 ▪ Indicate if any essential changes with regard to the prevalence and incidence of the
152 disease in Europe may be expected over the next 5 years and, if so, what these would be.
- 153 ▪ Describe the symptoms and burden of the health condition for patients (including aspects
154 such as pain, disability, psychosocial issues, and other determinants of morbidity and
155 quality of life from a patient perspective).
- 156 ▪ Briefly describe the organisational and societal impact of the health condition and its
157 treatment, giving some context for interpretation of outcomes; this description is
158 specifically relevant for health conditions that result in disability and/or a need for a
159 family caregiver, and for treatments that result in major organisational changes to the
160 health care system, for example, because of manufacturing constraints (e.g., chimeric
161 antigen receptor T cells) or major associated procedures (e.g., organ transplantation).

162 References for the statements should be provided.

163 *1.1.2 Characterisation of the target population*

164 The target population(s) is (are) defined in the assessment scope. The default target population
165 in the joint clinical assessment will be the claimed indication submitted by the HTD to the
166 regulatory body or the indication wording from the Committee for Medicinal Products for
167 Human Use (CHMP) positive opinion or summary of product characteristics (SmPC) for
168 medicinal products, the Conformité Européenne (CE) marking, or the summary of safety and
169 clinical performance (SSCP) for an MD or the summary of safety and performance (SSP) for
170 an in vitro diagnostic (IVD). Based on the assessment scope, subpopulations of the population
171 according to the indication wording may be relevant.

172 In order to characterise the target population(s) this section of the dossier should:

- 173 ▪ Describe and justify the proposed position of the target population(s) in the patient
174 pathway of care.
- 175 ▪ If relevant, take into account gender- and age-specific characteristics.
- 176 ▪ Describe any subpopulations (including the criteria for identifying them) if specifically
177 defined in the assessment scope.
- 178 ▪ Describe the natural progression of the disease (by subpopulation, if appropriate).

179 References for the statements should be provided.

180 ***1.1.3 Clinical management of the health condition***

181 In order to characterise the clinical management of the health condition, this section of the
182 dossier should:

- 183 ▪ Describe the clinical pathway of care for the health condition being considered in the joint
184 clinical assessment, as well as, if relevant, for different stages and/or subtypes or
185 subpopulations of the health condition, with diagrams of the care pathway(s) that include
186 alternative interventions.
- 187 ▪ Describe any relevant variations in care between European countries.
- 188 ▪ Include a list of relevant clinical guidelines (at the European level).

189 References for the statements should be provided.

190 **1.2 Characterisation of the medicinal product/medical device under assessment**

191 ***1.2.1 Characteristics of the health technology***

192 For medicinal products, the characteristics of the technology should include:

- 193 ▪ The nonproprietary name;
- 194 ▪ The proprietary name;
- 195 ▪ The HTD submitting an application to the European Medicines Agency (EMA);
- 196 ▪ The drug class;
- 197 ▪ The active substance(s);
- 198 ▪ A characterisation of the mechanism of action;
- 199 ▪ Drug interactions;
- 200 ▪ The pharmaceutical formulation(s); and
- 201 ▪ The Anatomical Therapeutic Chemical (ATC) code.

202 For medicinal products, the characterisation of administration and dosing (by (sub)population
203 or patient group, if appropriate) should include, as appropriate:

- 204 ▪ The method of administration;
- 205 ▪ The doses and dosing frequency;
- 206 ▪ The average length of a course of treatment;
- 207 ▪ The anticipated average interval between courses of treatment;
- 208 ▪ The anticipated number of repeat courses of treatment;
- 209 ▪ Information on dose adjustments;
- 210 ▪ Criteria for the ending of treatment;
- 211 ▪ Combination with other interventions;
- 212 ▪ The monitoring required during administration or during the treatment period; and
- 213 ▪ Concomitant treatments required or recommended, such as fluid support, antiemetic
214 agents, antiviral agents or venous thromboembolism prophylaxis.

215

216 For MDs (including IVDs), the characteristics of the technology should include:

- 217 ▪ The trade name of the MD;
- 218 ▪ The product type according to the MD regulation (MD R; Regulation (EU) 2017/745)
219 code for MDs or the IVD regulation (IVD R; Regulation (EU) 2017/746) code for IVDs;
- 220 ▪ The function of the device (therapeutic, diagnostic, disability compensation, other);
- 221 ▪ Models, references, or software version;
- 222 ▪ The basic unique device identification-device identifier (UDI-DI; according to Regulation
223 (EU) 2017/745).
- 224 ▪ The MD risk class according to the MD R or IVD R;
- 225 ▪ The HTD submitting the dossier (specify whether it is the MD manufacturer or an
226 authorised representative);
- 227 ▪ The date on which the MD was first placed on the EU market in the course of commercial
228 activity (excluding investigational device use);
- 229 ▪ A product description: composition, technologies involved and technical characteristics
230 and, where applicable, conformity to guidelines, standards, specifications, common
231 specifications (according to the MD R), tests or analyses;
- 232 ▪ A description of the development process for the technology;

- 233 ▪ If the MD includes connected technology because some or all of the device is software, a
234 specific description is required;
- 235 ▪ For medical devices with an embedded decision-making system based on machine
236 learning processes (technologies falling within the scope of artificial intelligence):
237 provide a description of the functions built or evolving using these technologies;
- 238 ▪ Magnetic resonance imaging (MRI) compatibility: For implantable MDs liable to give
239 rise to artefacts, the potential impact of these artefacts on MRI interpretation and the
240 associated recommendations for use must be documented. For active implantable medical
241 devices (AIMDs), specify the limits of compatibility with MRI procedures and the main
242 precautions to be taken. Where applicable, the AIMD deactivation measures required to
243 conduct the test must be specified.

244

245 For MDs (including IVDs), the characteristics of use (by (sub)population or patient group, if
246 appropriate), should include, as appropriate:

- 247 ▪ A description of the mode of action on the pathology or disability.
- 248 ▪ The intended purpose and the labelling of the MD.
- 249 ▪ The manufacturer's instructions for use.
- 250 ▪ Information on whether the MD device is intended
- 251 ▫ To administer and/or remove a medicinal product,
- 252 ▫ To act as a companion diagnostic
- 253 ▫ To emit hazardous, or potentially hazardous, levels of ionising and/or nonionising
254 radiation, or
- 255 ▫ To be operated together with other devices or products.
- 256 ▪ A description of (surgical) procedures, services and organisational aspects (including
257 specific technical facilities at hospital) associated with use of the MD should be provided;
258 the suggested profile and training for users as outlined in the SSCP should be provided.

259 References for the statements should be provided.

260 **1.2.2 Requirements/instructions for use**

261 If applicable, the equipment required to use the technology should be described, including any
262 specific tests or investigations required (e.g., biomarker testing, companion diagnostics, amount
263 and type of biological material needed for IVD). If all such equipment is described in the section
264 above, state here that there are no additional requirements.

265 If applicable, any supplies required to use the technology should be described (e.g.,
266 pharmaceuticals and contrast agents, syringes, needles, fluids or bandages).

267 References for the statements should be provided.

268 **1.2.3 Regulatory status of the technology**

269 For medicinal products, the regulatory status of the technology should be clarified in a tabular
270 description of the marketing authorisation status applied for at the EMA, including any specific
271 regulatory designations or approval schemes, such as orphan status, advanced therapy
272 medicinal product (ATMP), conditional marketing authorisation, the EMA priority medicine
273 scheme (PRIME), compassionate use or early access programme. Any marketing authorisations
274 in Europe for other indications that are not included in the joint clinical assessment should also
275 be described, as well as additional indications anticipated in the future (including the
276 organisation issuing approval, the verbatim wording of the indication and the date of approval).
277 An overview of the regulatory status outside Europe should be provided. Any contraindications
278 or groups for whom the technology is not recommended should be listed.

279 For MDs (including IVDs), the regulatory status of the technology should be clarified in a
280 tabular description, including: the MD risk class according to the MD R; name, identification
281 number and country of the notified body that issued the CE marking; date of the initial CE
282 marking and the expiry date of the current certificate; the verbatim wording of the CE marking
283 indication (i.e., the intended use according to the conformity assessment, including indications
284 and contraindications; and the date of the expert panel opinion.

285 References for the statements should be provided.

286 **1.3 Joint scientific consultation related to the joint clinical assessment**

287 Any joint scientific consultations for the health technology under assessment at the European
288 level should be listed. If a health technology has been the subject of a joint scientific
289 consultation, any deviation from the recommendations of the joint scientific consultation should
290 be explained.

291 **2 Research question and assessment scope**

292 In the context of European HTA, the assessment scope reflects policy questions from the
293 different health care systems in which the HTA should be used. It translates the policy



294 question(s) into research question(s) with a standard format, called PICO question(s). The
295 assessment scope means the set of parameters for joint clinical assessment in terms of:

- 296 ▪ The patient population or populations (P),
- 297 ▪ The intervention or interventions (I),
- 298 ▪ The comparator or comparators (C) and
- 299 ▪ The health outcomes (O)

300 requested jointly by member states. This scope is identified in a scoping process initiated by
301 the designated subgroup for a given joint clinical assessment.

302 The assessment scope shall be inclusive and reflect the needs of member states in terms of
303 parameters and the information, data, analysis and other evidence to be submitted by the HTD.

304 The HTD is informed about the assessment scope with a request for submission of the dossier
305 on which the joint clinical assessment will be based. The assessment scope as requested
306 specifies the research question elaborated in the submission dossier, that is, it forms the basis
307 for the content of the submission dossier and should be provided in the corresponding section
308 of the dossier (Research question and assessment scope). The dossier submitted by the HTD
309 must address all the PICO questions included in the assessment scope and provide the evidence
310 available to appropriately answer all the PICO questions.

311 For cases in which the scoping process identified more than one PICO question, these should
312 be presented separately and transparently.

313 **3 Methods used in the development of the dossier content**

314 A description of methods used in the development of the dossier content is required to allow
315 assessment of the appropriateness of the methods and of the validity and certainty of the results
316 presented in the dossier.

317 The methods used in the development of the dossier content should be based on the international
318 standards of evidence-based medicine. The methods should also follow methodological
319 guidance adopted by the CEB.

320 The data presented in the dossier should have been analysed using appropriate methods to
321 answer all research questions of the joint clinical assessment.

322 **3.1 Criteria for selecting studies for joint clinical assessment**

323 Based on the assessment scope and the methodological guidance applicable, inclusion and
324 exclusion criteria for studies to be considered in the joint clinical assessment should be
325 specified. This specification has to be provided for each PICO question, as appropriate. These

326 criteria should be used to select the studies from the results of the systematic information
327 retrieval process for the joint clinical assessment.

328 **3.2 Information retrieval and selection of relevant studies**

329 The joint clinical assessment should be based on the complete evidence available. Specifically,
330 the submission dossier that forms the basis of the joint clinical assessment should be complete
331 with regard to the studies and data available that could inform the assessment. This
332 completeness can only be achieved via systematic information retrieval.

333 **Systematic information retrieval**

334 The HTD should conduct a systematic information retrieval process to identify the evidence to
335 be used for preparation of the dossier. This information retrieval should include the following
336 sources:

337 **▪ Studies performed or sponsored by the HTD**

338 To meet the requirements of the HTA R, the HTD must provide with the dossier all up-to-
339 date published and unpublished information, data, analyses and other evidence from
340 studies on the health technology for which the HTD was a sponsor. Furthermore, all
341 information available on ongoing or discontinued studies with the health technology for
342 which the HTD is a sponsor or otherwise financially involved has to be made available.
343 Corresponding information on studies by third parties, if available, should also be
344 provided.

345 **▪ Bibliographic databases**

346 **▪ Study registries and study results registries (clinical trial databases)**

347 **▪ For medicinal products, the clinical safety and efficacy data included in the submission**
348 **file to the EMA**

349 **▪ For MDs, the clinical evaluation assessment report and the manufacturer's clinical**
350 **evaluation documentation submitted to the notified body**

351 These sources should be systematically searched for studies and analyses that are relevant for
352 the joint clinical assessment according to the assessment scope. Full documentation for the
353 searches should be included in the dossier.

354 In addition, the HTD should include information on HTA reports available on the health
355 technology subject to the joint clinical assessment and on studies based on (patient) registries
356 in the dossier. This information should also be provided based on systematic searches in
357 appropriate sources.

358 Acceptable search dates (latest date for a search for a given joint clinical assessment) are
359 defined in the applicable guidance adopted by the CEB.

360 **Selection of relevant studies**

361 Relevant studies to be included in the dossier, specifically for description of the relative
362 effectiveness and relative safety, should be selected according to inclusion and exclusion
363 criteria defined for the joint clinical assessment of the health technology. The selection process
364 should be performed according to methodological guidance adopted by the CEB and should be
365 documented in the dossier.

366 **3.3 Data analysis and synthesis**

367 The data presented in the dossier should have been analysed using appropriate methods.
368 Evaluation of the methods applied by the HTD is part of the joint clinical assessment process.
369 This evaluation addresses the appropriateness of the methods and the validity and certainty of
370 the results on relative effectiveness and relative safety generated using these methods. To allow
371 this assessment, the dossier should include a transparent description of the methods used.
372 Therefore, the section on data analysis and synthesis should, among others, cover the following
373 topics:

- 374 ■ A description of the design and methodology of the studies included

375 The description of the design and methodology of the included studies should follow the
376 standards of evidence-based medicine and the guidance adopted by the CEB. This section
377 should specify the items used to describe the design and methodology of the studies.

- 378 ■ A description of the results from the individual studies

379 First, the results from individual studies should be presented separately in the dossier,
380 irrespective of any potential synthesis of these results (e.g., in meta-analyses). This
381 section should describe the patient characteristics and endpoints that will be covered by
382 this presentation.

- 383 ■ Meta-analyses

384 If appropriate, the studies available should be synthesised quantitatively via meta-
385 analyses. The methods applied should be described in this section. The methods used for
386 meta-analyses should follow the guidance adopted by the CEB.

- 387 ■ Indirect comparisons

388 If indirect comparisons are considered, these should be conducted using appropriate
389 methods. Any assumptions underlying the analyses should be specified and the degree to
390 which these assumptions are met should be described. The methods used for indirect
391 comparisons should follow the guidance adopted by the CEB.

392 ▪ Sensitivity analyses

393 Sensitivity analyses should be performed, if required, to investigate the impact of
394 methodological factors on the robustness of the results. The methods used for sensitivity
395 analyses should follow the guidance adopted by the CEB.

396 ▪ Subgroup analyses and other effect modifiers

397 Effect modification should be investigated via subgroup analyses. The methods used for
398 subgroup analyses should follow the guidance adopted by the CEB.

399 ▪ Specification of further methods as required

400 Any methods used in deriving results in the dossier should follow the guidance adopted
401 by the CEB, if available.

402 **4 Results**

403 The presentation of results should use text, figures and tables as appropriate. The results
404 presentation should consider guidance adopted by the CEB.

405 **4.1 Results from the information retrieval process**

406 Results from the different steps of the information retrieval process should be presented
407 transparently in the submission dossier. This presentation should include:

408 ▪ A list of studies conducted by the HTD

409 The list of studies conducted by the HTD should include all studies submitted to the
410 regulatory body for medicinal products (marketing authorisation studies from the clinical
411 safety and efficacy data included in the submission file to the EMA) or submitted to the
412 notified bodies for MDs (studies from the clinical evaluation documentation), as well as
413 all studies sponsored by the HTD or in which the HTD was or is financially involved. The
414 listing should be restricted to studies involving patients in the indication (for medicinal
415 products) or intended use (for MDs/IVDs) for which the submission dossier is prepared.

416 ▪ Studies identified in searches in bibliographic databases

417 The results from searches in bibliographic databases should be presented according to the
418 methodological standards.

419 ▪ Studies from searches in study registries/study result registries (clinical trial databases)

420 The results from searches in study registries/study results registries should be presented
421 according to the methodological standards.

422 For each of the information retrieval steps, the studies not considered in the joint clinical
423 assessment should be identified. For each of these studies, the reason for exclusion should
424 be specified.

425 **List of studies included overall and by PICO question**

426 The study pool resulting from all searches should be presented transparently. In addition to an
427 overall study pool used in the submission dossier, the study pool(s) used to inform the individual
428 PICO question(s) should be specified.

429 **4.2 Characteristics of the studies included**

430 An overall description of the study design and the study population should be provided for all
431 studies included in the description of relative effectiveness and safety in any of the PICO
432 questions according to the requirements laid down in guidance adopted by the CEB.

433 **4.3 Study results on relative effectiveness and relative safety**

434 The HTD must provide aggregate data (results on relative effectiveness and safety) according
435 to the assessment scope in the submission dossier. The analyses presented in the dossier should
436 take the guidance adopted by the CEB into consideration.

437 The assessment scope might include one or more PICO question(s) for which the available
438 evidence has to be provided in the dossier. To achieve a transparent data presentation, the results
439 for effectiveness and safety should be described by PICO question.

440 The first defining item of a PICO question is the patient population in which the relative effects
441 of an intervention versus a comparator are investigated. The data presentation should first be
442 structured by patient population. Within a given population, more than one PICO question(s)
443 might have to be investigated, for example, because of different comparators. These can be
444 sequentially presented within one chapter as depicted in the following structure of sections.

445 **4.3.1 Results for the patient population < to be specified >**

446 For each patient population specified in the PICO question(s) in the assessment scope, a
447 separate section should be provided. Within this section, the results for all PICO question(s)
448 addressing this patient population should be presented in subsections.

449 **4.3.1.1 Patient characteristics**

450 The patient characteristics from all studies covering the relevant patient population included in
451 any of the PICO question(s) addressing this population should be presented. The data
452 presentation should take guidance adopted by the CEB into consideration.

453 **4.3.1.2 Outcomes for the PICO <to be specified >**

454 For each PICO question addressing the patient population specified in Section 4.3.1, a list of
455 the studies included in the investigation should be provided. Furthermore, an overview of
456 available outcomes by study should be presented. The presentation of any outcomes not
457 included in the PICO should be justified. The data presentation should include the results from
458 all individual studies as well as any syntheses of results, for example, from meta-analyses. The
459 presentation of information for the individual outcomes and the certainty of results should
460 follow the submission dossier guidance and the submission dossier template.



461 For any additional PICO question for a given patient population required according to the
462 assessment scope, a new subsection presenting the results for outcomes for this PICO question
463 should be added.

DRAFT



464 **Appendix A Tabular listing of all studies included in the description of relative**
465 **effectiveness and safety**

DRAFT

466 **Appendix B Underlying documentation for medicinal products**

467 **B.1 Full texts of references**

468 Full texts of any references provided in the dossier and listed in the respective reference lists
469 should be provided. The reference list of the submission dossier should be provided in a
470 standard format that can be read by literature management programs.

471 **B.2 Documentation of information retrieval**

472 The documentation of information retrieval should be provided in a standard format that can be
473 read by literature management programs.

474 **B.3 Programming code for programs used for analyses**

475 Program code should be provided if the analyses and corresponding calculations cannot be
476 described by a specific standard method (e.g. Mantel-Haenszel).

477 **B.4 Study reports**

478 The Clinical Study Reports (CSR), including study protocols and statistical analysis plans,
479 required by the Regulation and any guidance adopted by the CEB must be provided as part of
480 the underlying documentation of the dossier. The technical specifications to be followed for
481 submitting the CSRs will be provided by guidance from the CEB.

482 **B.5 Clinical safety and efficacy data included in the submission file to the European 483 Medicines Agency**

484 Clinical safety and efficacy data included in the submission file to the EMA should be provided
485 as sections 2.5, 2.7.3 and 2.7.4 from the Common Technical Document (CTD, format of
486 submission to EMA) and as CSRs (see section D.4 Study reports).

487 **B.6 HTA reports of the health technology subject to the joint clinical assessment**

488 If HTA reports from earlier joint clinical assessments or from other jurisdictions are available,
489 these should be included.

490 **B.7 Information on studies based on registries**

491 If any studies with the health technology under assessment from patient registries are available,
492 these should be included.

493 **B.8 Information on joint scientific consultations**

494 If a health technology has been subject to a joint scientific consultation, the recommendations
495 should be provided.

496 **Appendix C Underlying documentation for medical devices**

497 **C.1 Full texts of references**

498 Full texts of any references provided in the dossier and listed in the respective reference lists
499 should be provided. The reference list of the submission dossier should be provided in a
500 standard format that can be read by literature management programs.

501 **C.2 Documentation of information retrieval**

502 The documentation of information retrieval should be provided in a standard format that can be
503 read by literature management programs.

504 **C.3 Programming code for programs used for analyses**

505 Program code should be provided if the analyses and corresponding calculations cannot be
506 described by a specific standard method (e.g. Mantel-Haenszel).

507 **C.4 Study reports**

508 The Clinical Study Reports (CSR), including study protocols and statistical analysis plans,
509 required by the Regulation and any guidance adopted by the CEB must be provided as part of
510 the underlying documentation of the dossier. The technical specifications to be followed for
511 submitting the CSRs will be provided by guidance from the CEB.

512 **C.5 For medical devices: clinical evaluation documentation**

513 The documentation provided should include the clinical evaluation assessment report, the
514 manufacturer's clinical evaluation documentation submitted to the notified body pursuant to
515 Section 6.1, points (c) and (d), of Annex II to Regulation (EU) 2017/745 and the scientific
516 opinion provided by the relevant expert panels in the framework of the clinical evaluation
517 consultation procedure. In addition, the EU declaration of conformity of the medical device,
518 the CE marking certificate(s) relating to the medical device, the instructions for use and the
519 validated SSCP (for MD) and SSP (for IVD) should be provided.

520 **C.6 For in vitro diagnostic medical devices: performance evaluation documentation**

521 The documentation provided should include the performance evaluation report of the
522 manufacturer, the manufacturer's performance evaluation documentation, referred to in Section
523 6.2 of Annex II to Regulation (EU) 2017/746, the scientific opinion provided by the relevant
524 expert panels in the framework of the performance evaluation consultation procedure and the
525 report of the Union reference laboratory.

526 **C.7 HTA reports of the health technology subject to the joint clinical assessment**

527 If HTA reports from earlier joint clinical assessments or from other jurisdictions are available,
528 these should be included.



529 **C.8 Information on studies based on registries**

530 If any studies with the health technology under assessment from patient registries are available,
531 these should be included.

532 **C.9 Information on joint scientific consultations**

533 If a health technology has been subject to a joint scientific consultation, the recommendations
534 should be provided.

535

DRAFT