

Discrepancies between **Regulators and HTA bodies**



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Introduction

- Regulatory approval grants market access, indeed, through coverage decisions, HTAbodies rule about real patient access
- Despite their different objectives, HTAbodies largely depend on evidence that was created for the market authorization
- Potentially causing that technologies are approved but not reimbursed
- Additionally there are discrepancies among HTA-bodies' evidence requirements
- Early dialogue meetings aim to align the different evidence requirements that pose a great challenge for manufacturers

Methods

- We systematically searched literature \bullet that was published until 07.02.2018
- The search term built around the ${\color{black}\bullet}$ three main blocks 1) regulator; 2) HTA and 3) alignment or misalignment
- Articles that cover properties that
- requirements; third and fourth hurdle pathways were included
- Further articles were classified in qualitative, quantitative or mixmethods research according to Starr
- Findings were categorized in 1)
- discrepancies between regulators and



influence regulatory or reimbursement processes; regulators' or HTA-bodies' evidence

HTA bodies; and 2) misalignments among HTA-bodies evidence requirements

	 misalignments 4 editorials 13 commentaries 23 conference abstracts
 30 articles included 8 mixed methods 18 qualitative methods 4 quantitative methods 	 37 reviews 3 full text missing (corresponding author contacted, no response)

Regulators & HTA bodies Misalignment **Characteristic** Misalignment Regulator **HTA bodies** Quality, safety, efficacy Relative-/ cost-Objective **Relative- / comparative- effectiveness** Methods effectiveness, The effect of the new therapy in comparison to the Non-inferiority Santé Health Canada Canada Australian Governmei standard of care Superiority **Department of Health** autic Goods Admin **Cost-effectiveness** Does the technology offer more benefit than harm compared to Does the technology offer The effect of the new therapy in relation to its price placebo? more benefit than harm EUROPEAN MEDICINES AGENCY **Mostly RCT data** Source of evidence compared to alternatives under consideration of price Also RWD (non-RCT data) e.g., observational studies, for the population. electronic health records, claims data RCTs, partially RWD RCT Evidence sources comparator corresponding to **health systems standard** Comparators (registries, EHRs, claims of care, used indication and dosage (narrowly defined) data) Clinical effectiveness Validity Internal validity External validity, various comparators **use in practice** (broadly defined) generalizability Assessment Study length Relatively short trials to Longer lasting trials to Endpoints Broader acceptance surrogates. demonstrate efficacy assess true effectiveness CADTH Relatively small, homogenous, Larger, heterogeneous Study NICE Notion comorbidity free population general population population Generally reject surrogate, possibly accept validated surrogates in certain conditions or if validated Controlled ideal conditions Actual health care practice Study setting Study design (correlation with patient relevant endpoint) PBS Active (superiority) Comparator Active (non-inferiority) or No economic methods (rely on relative effectiveness) Methods ost and economic placebo (superiority) CMS IOWiG evaluation Appraisal "Hard" patient relevant Endpoints Various economic methods e.g. costs/QALY, Budget Broader acceptance of surrogate, intermediate, endpoints, validated impact analysis, economic modeling, multi-criteria surrogate endpoints (show mechanistic endpoints decision analysis correlation with patient Criteria

Among HTA bodies

relevant endpoints)

Discussion

- Regulators' and HTA bodies' aims implicate different or even mutually exclusive evidence requirements
- HTA bodies share similar goals but adopted different methodologies and consult different data
- Early dialogues between regulators, HTA bodies and manufacturers offer possibilities to create synergies in the evidence generation
- Alignment in the evidence requirements should respect professional or national priorities

Conclusion

- There are limits to the alignment of regulatory and HTA evidence requirements
- HTA bodies should strive for a stronger alignment of clinical evidence requirements
- In non-clinical evidence requirements there are limits to an alignment



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