

Modelled impact of risk-sharing agreements on costs for Haemophilia B gene therapy in Germany

HPR177



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INTRODUCTION

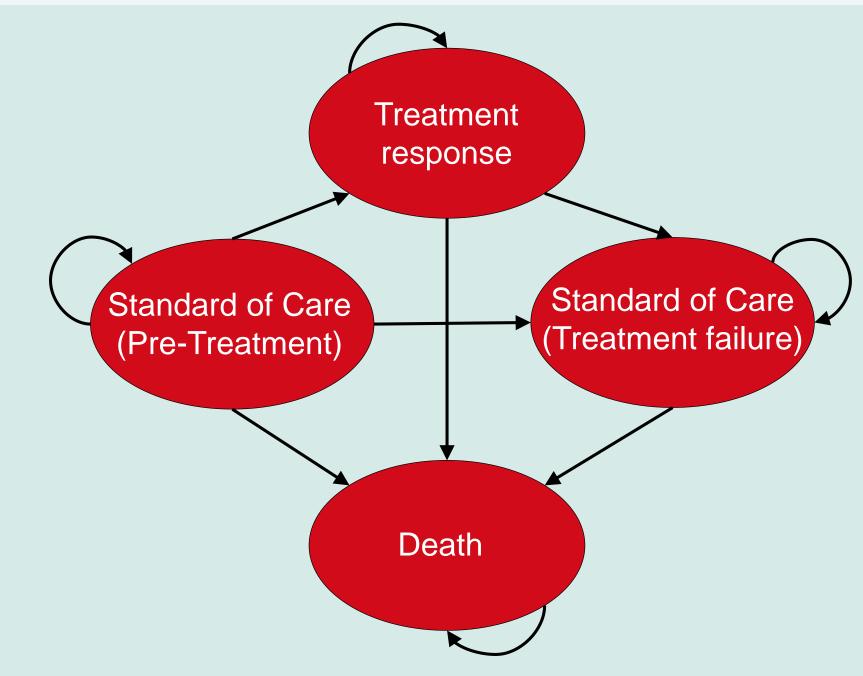
- Affordability and long-term effectiveness of pharmaceuticals are rising concerns for health care systems as expensive innovative treatments like gene therapies offer unprecedented treatment options but often lack conclusive clinical evidence
- Risk-sharing agreements aim to share the financial risk of outcome uncertainty between manufacturer and payers by linking treatment outcomes to reimbursements
- Although they have been in use for years, details on risk-sharing agreements and their effectiveness is limited due to confidentiality of contracts

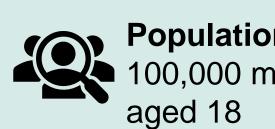


What is the impact of risk-sharing agreements on cost in Germany using a Haemophilia B gene therapy as a case study?

METHODS

- Microsimulation of long-term effectiveness of Etranacogene dezaparvovec for Haemophilia B (based on ICER report)
- German payer perspective based on publicly available cost data and literature (i.e. DRG catalogue, tariff agreements, Lauer-Taxe)
- multi-annual Refund and instalment agreements varying payment mechanisms, agreement duration, failure treatment and conditions







Duration: Lifetime (100 Years)





Treatment Failure: 5 % Factor Level Threshold

RESULTS

- Generally, risk-sharing agreements can reduce costs for payers when treating patients with Etranacogene dezaparvovec
- For agreements with a duration of up to 5 years, multi-annual instalments provide larger savings than refund agreements, for any with a duration longer than 5 years, refund agreements offer greater
- Collective cost compensation by payers in Germany via so called risk pool increases costs for instalment agreements while refund agreements are
 - → Any advantage for payers of pursuing multi-annual instalment

- savings
- largely unchanged
 - agreements is removed

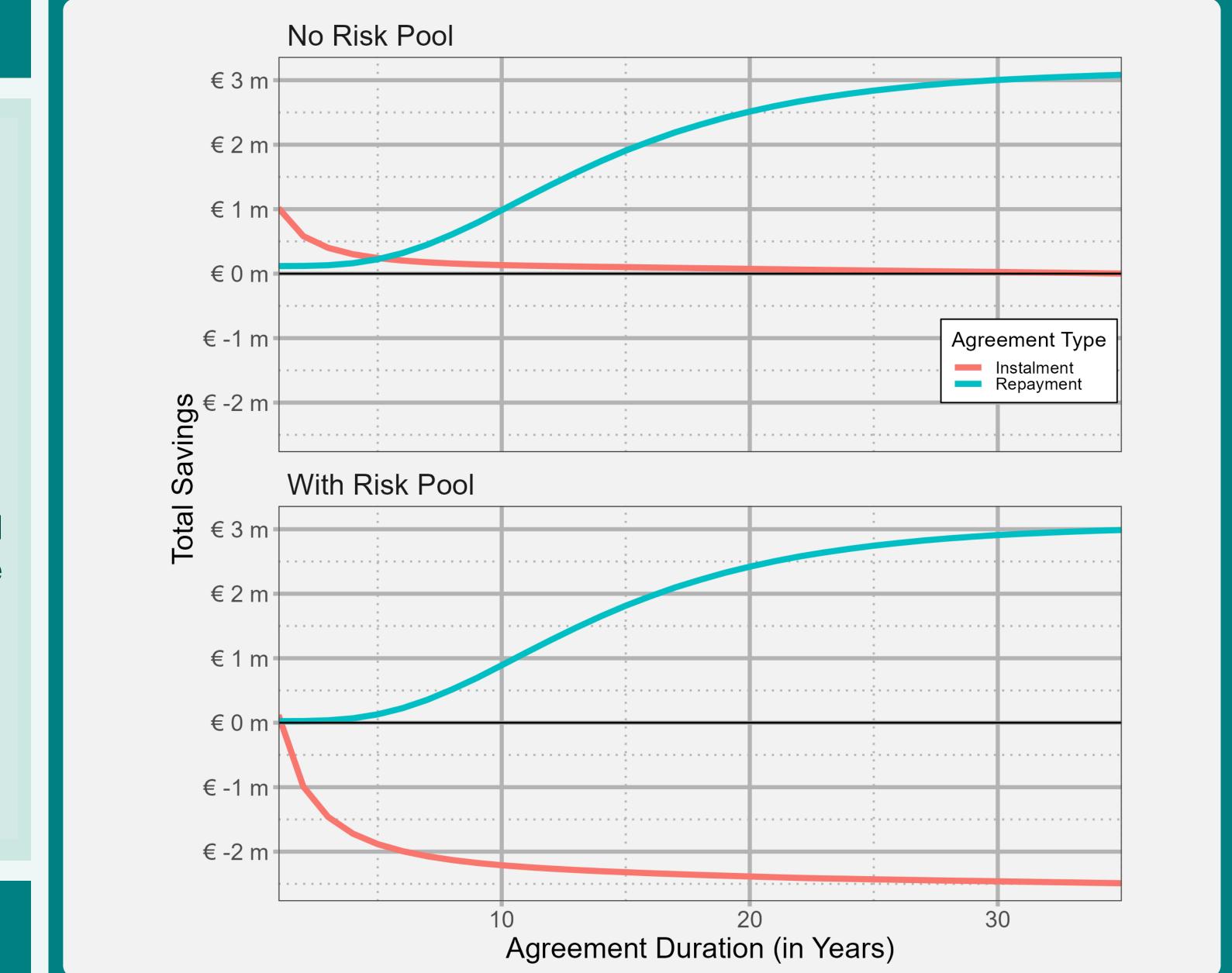
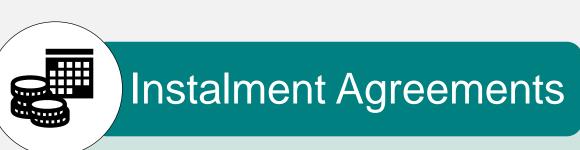


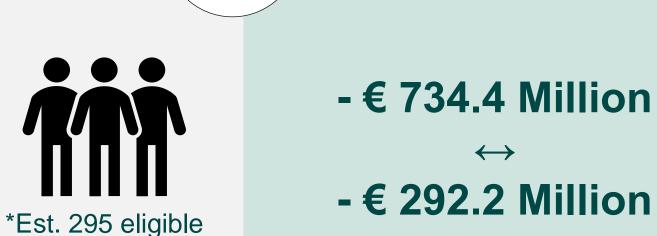
Fig.1 Cost Savings for Payers comparing Multi-Annual Instalments vs. Refund Agreements Source: Own Data

Conclusion

- Risk-sharing agreements can fulfill different purposes, choice should depend on individual (risk) preferences
 - → Multi-annual instalment agreements may be **preferable for shorter** agreements or payers with smaller budgets
- Risk pool in Germany restricts agreement choice and may even hinder proliferation of new therapies
- Risk distribution between payers and manufacturers must be carefully considered
 - → Agreements feasible for payers may be unacceptable for manufacturers
- Not all risk-sharing agreements may be able to cover the cost of negotiating such agreements and monitoring outcomes

Potential Cost Savings for Payers in Germany







€ 881.6 Million

Fig.2 Potential cost Savings for Payers from Risk-Sharing Agreements across all eligible patients in Germany (with risk pool) Source: Own Data

Key References

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patients in Germany

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