

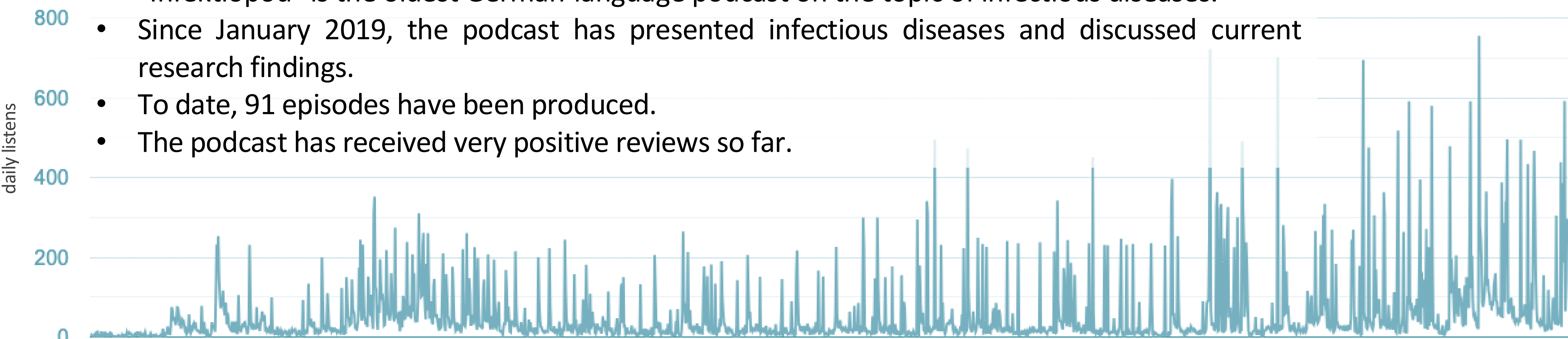
INFEKTIOPOD

improving podcasting as a teaching method
for infectious diseases through listener's participation


Till Koch^{1,2,3}, Elena Terhalle^{3,4,5}, Annette Hennigs^{3,6}

1. Background


- "Infektiopod" is the oldest German-language podcast on the topic of infectious diseases.
- Since January 2019, the podcast has presented infectious diseases and discussed current research findings.
- To date, 91 episodes have been produced.
- The podcast has received very positive reviews so far.




Start 01/2019	2020	2021	2022	2023	2024	2025
<ul style="list-style-type: none">Typhoid feverRabiesLoa LoaSchistosomiasisSyphilisGonorrhoeEbola	<p>Covid:</p> <ul style="list-style-type: none">TestsVaccinesTherapyMethodsvaccine development	<ul style="list-style-type: none">Covid: societal dimensionsglobal healthTuberculosisNTMAspergillosisCandida	<ul style="list-style-type: none">CovidEBVABSPenAIDelMPXEbola / SUDVSAB	<ul style="list-style-type: none">MarburgMalariaAMREndocarditisRSV	<ul style="list-style-type: none">PneumococcusESCMIDSnake bitesBSIMREIDweekH5N1	<ul style="list-style-type: none">CMVSteno



Infektiopod-website



Rating of Infektiopod on Apple Podcasts (as of January 31, 2025)



2. Goals of the Podcasts

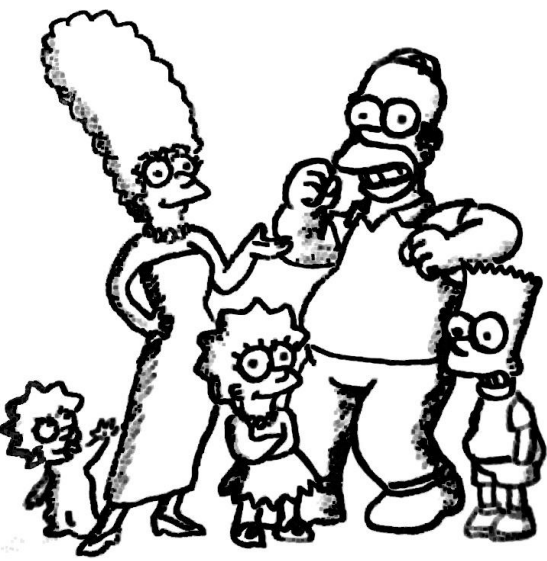
1) Direct Knowledge Transfer

Challenge: Heterogeneous audience

Core Principles

- Structure
- Repetition
- Explanation

„Simpsons Effekt“:
...keep it complicated

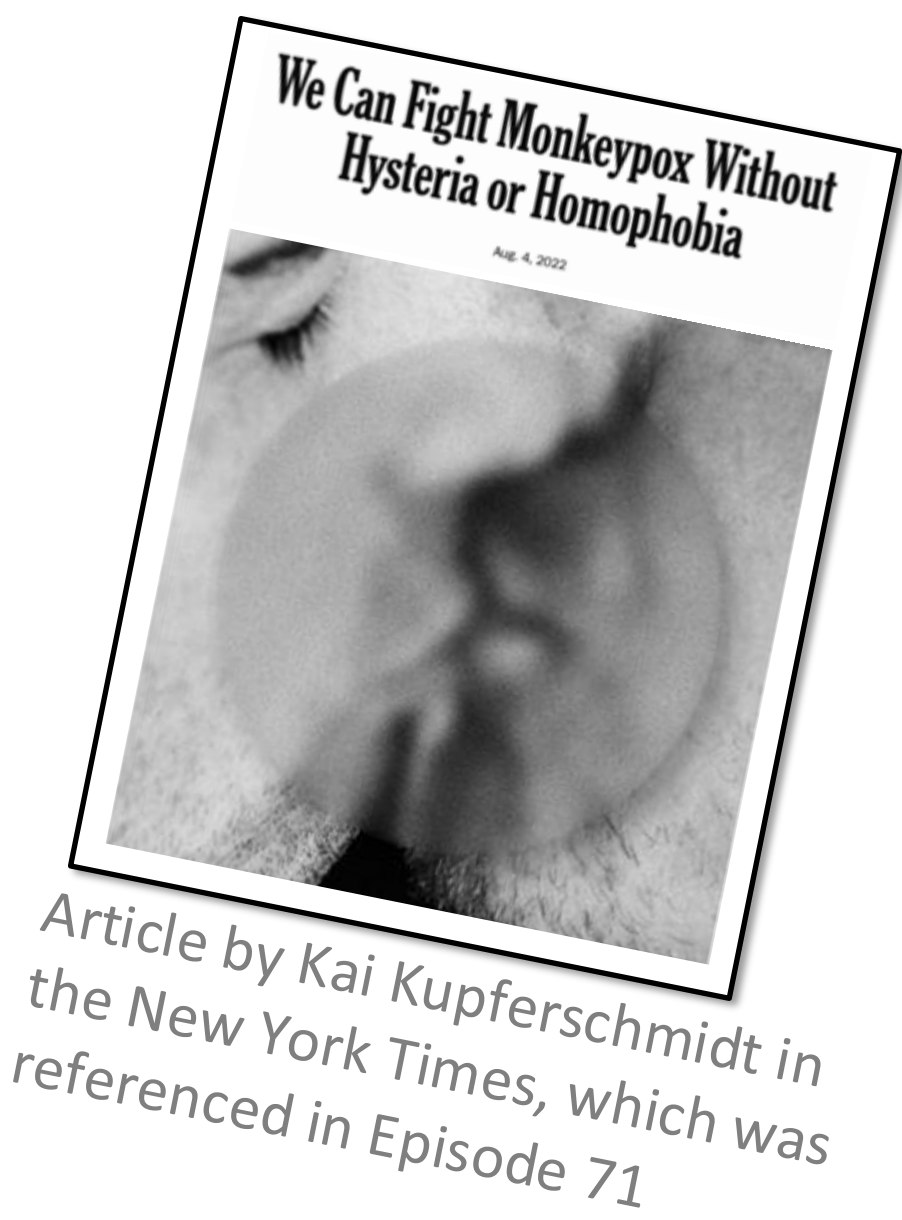


2) Building Trust in Science

- A multitude of contradictory information
 - Basic assumptions about science
 - Demonstrating scientific practice in action
→ Goal: *informed trust**
- *Judgment of Trustworthiness is influenced by
- ✓ Expertise
 - ✓ Integrity
 - ✓ Benevolence

3) Participation in Societal Debates

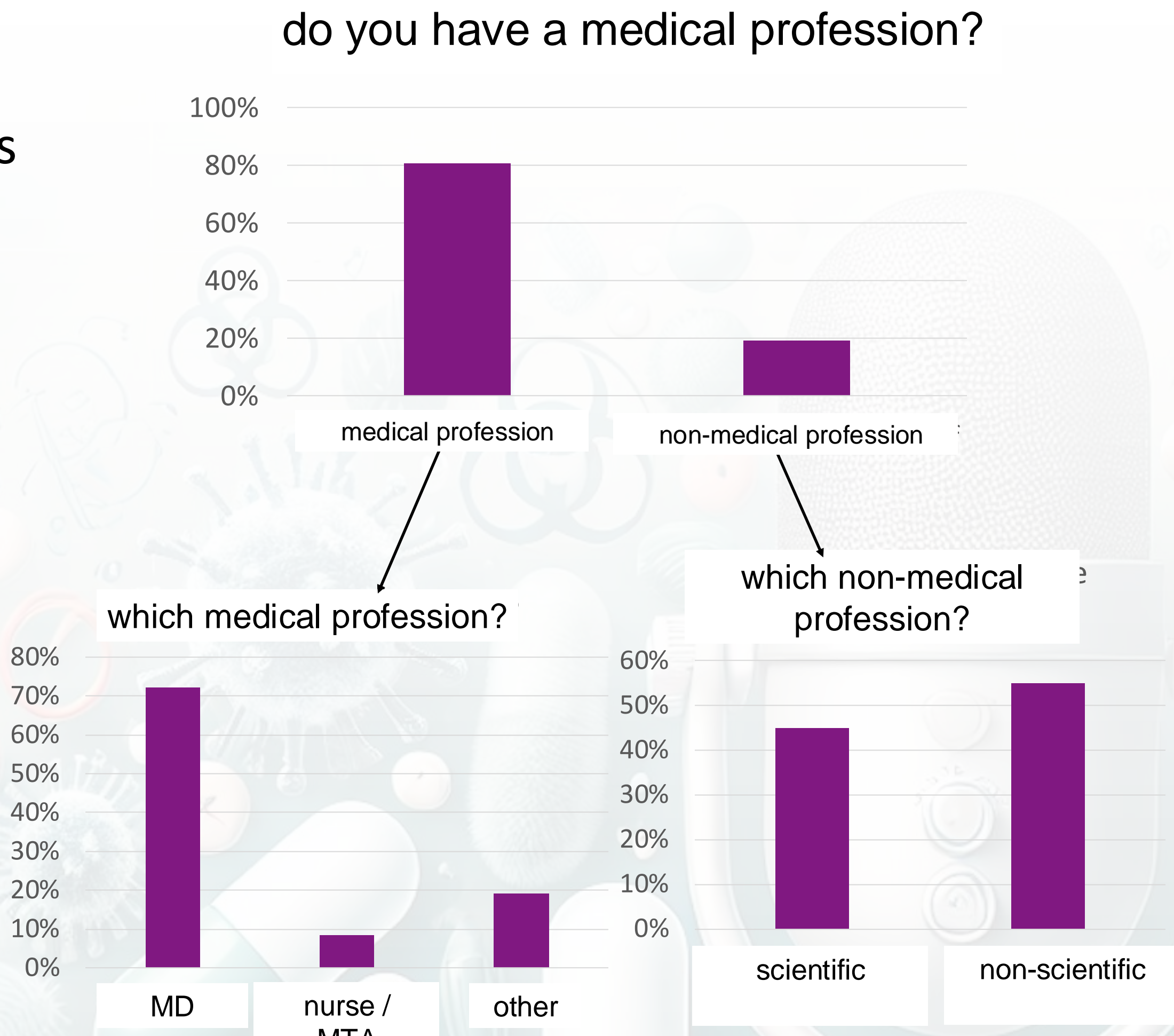
- Science communication takes place within the context of societal discourse
- A transparent "*engine room of science*"
- Podcasts as a contribution to public debates



3. Survey of Listeners

3.1 Methods

- A structured questionnaire was developed using the online data collection tool REDCap (Research Electronic Data Capture).
- The questionnaire was linked on the website infektiopod.de, and listeners were informed about the link in the Infektiopod episodes.



3.2 Results

- The survey was conducted from October 25, 2023, to January 28, 2024.
- A total of 104 people participated.
- The most common age range was 30 to 49 years.
- 60% were physicians; 40% belonged to other professional groups.
- The participating physicians mainly worked in non-university hospitals with more than 800 beds.
- 1 in 3 respondents were involved in scientific research.
- Very few are actively engaged in science communication.
- Most participants discovered the podcast through personal recommendations.

4. Discussion

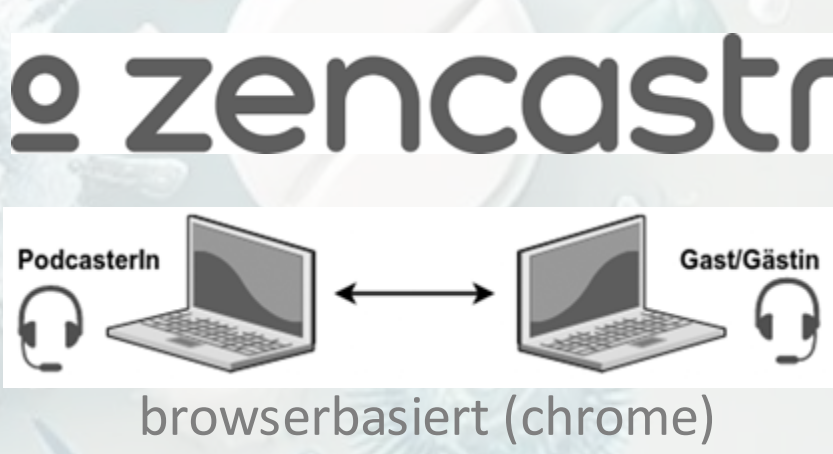
- The survey results provide valuable insights into the demographic characteristics, interests, and preferences of Infektiopod listeners.
- There is a clear interest among the audience in practical, relevant content such as infectious diseases, diagnostics, and treatment.
- The preferred episode length of 60 minutes and the desire for in-depth discussions of scientific publications highlight the demand for well-founded, detailed formats.
- These findings offer valuable guidance for further developing the podcast and tailoring it more closely to the needs of its audience.

5. ...let's get practical: How-to-podcast

5.1 Hardware



5.2 Recording



5.3 Post-Production



¹: Antibiotic Stewardship Team, Klinikapotheke, Universitätsklinikum Hamburg-Eppendorf, Hamburg. ²: 3. Medizinischen Klinik für Pneumologie, Infektiologie und Onkologie, Klinikum Itzehoe, Itzehoe. ³: Deutsches Zentrum für Infektionsforschung (DZIF), Standort Hamburg-Lübeck-Borstel-Riems. ⁴: LungenClinic Großhansdorf, Großhansdorf. ⁵: Pneumologie Süderelbe, Hamburg. ⁶: Sektion Infektiologie, I. Medizinische Klinik und Poliklinik, Universitätsklinikum Hamburg-Eppendorf, Hamburg.