

# Accelerating HTA preparation through targeted automation under SME supervision, ensuring speed without sacrificing scientific rigour and quality



Submissions reach HTA reviewers and committees sooner, supporting faster patient access



New evidence often emerges mid-launch, requiring rapid re-runs



Swift responses to HTA questions under tight timelines

# The Foundations of Responsible Survival Analysis Automation



Validated R tool tailored for HTA-focused survival analysis

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Expert oversight from in-house specialists and external KOLs

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Generalizable and pressure-tested AI solution

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Systemic and rigorous QC framework

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Iterative feedback loop to facilitate expert reviews and ensure scientific rigour

# 01) Run analysis and generate outputs + quality control

01

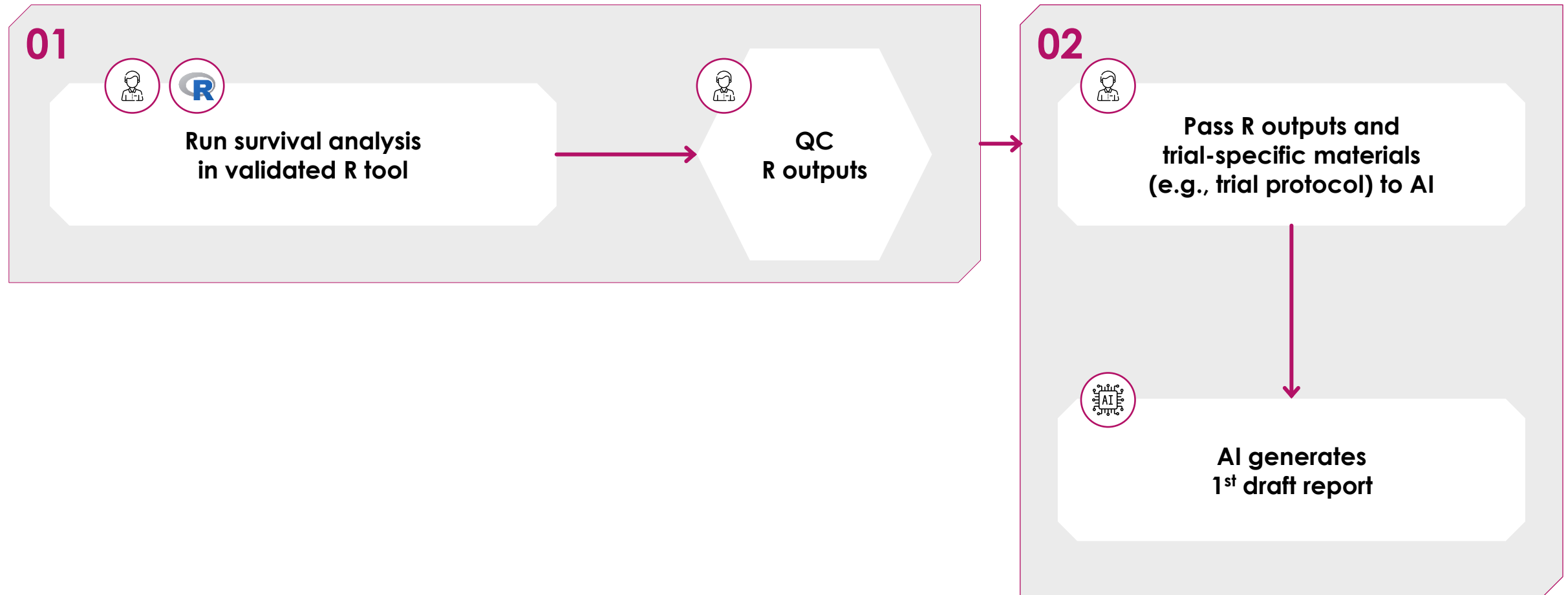


Run survival analysis  
in validated R tool

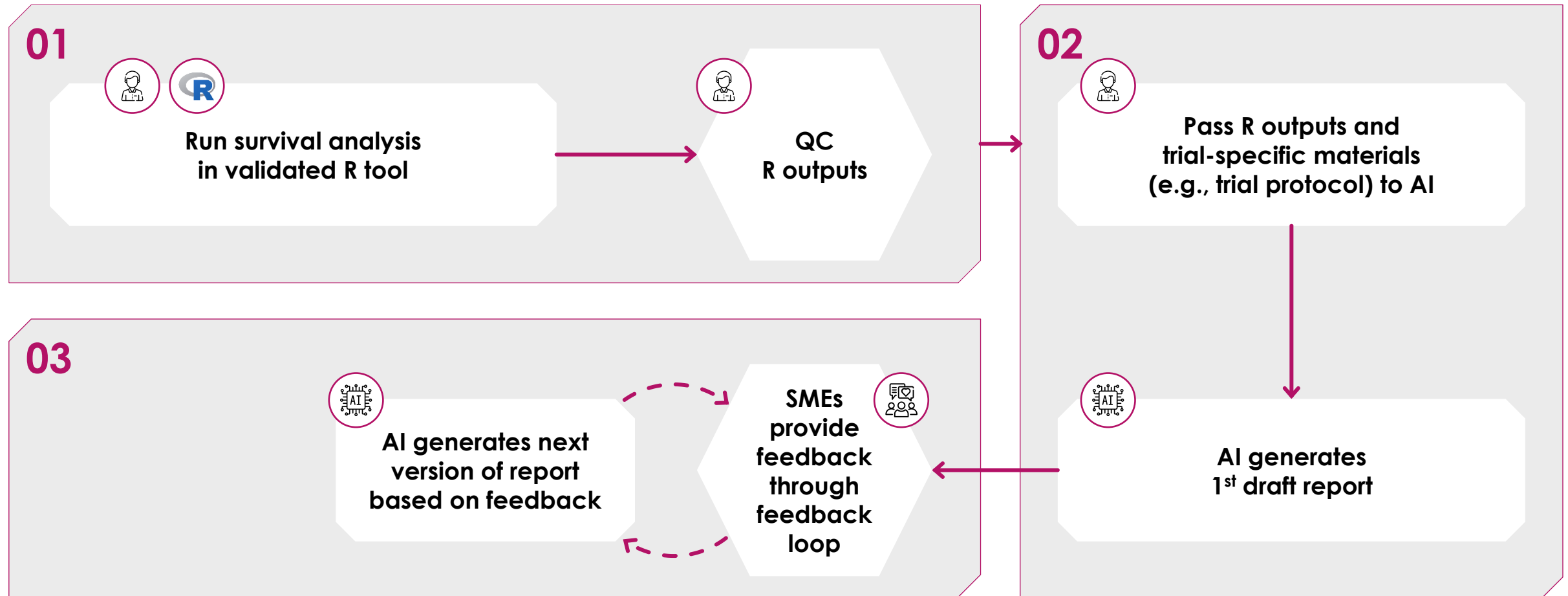


QC  
R outputs

## 02) Upload R outputs and other relevant materials into AI solution

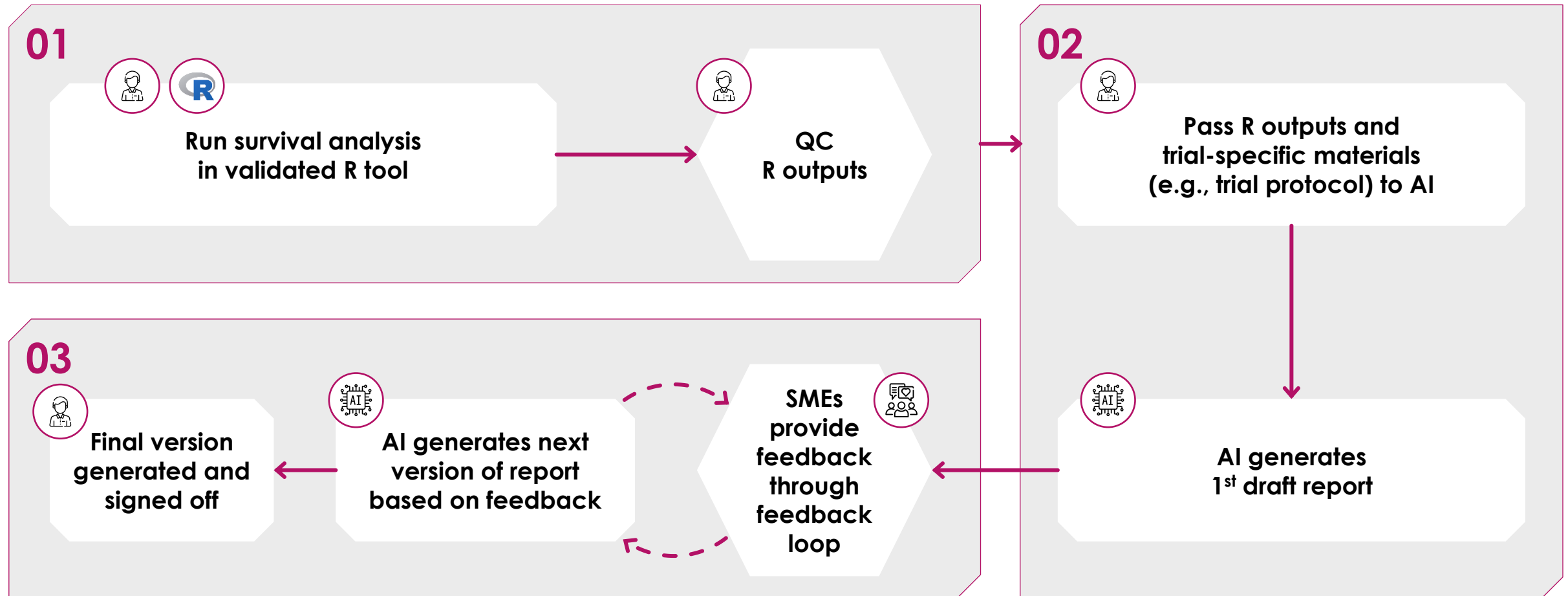


# 03) SME review process using the feedback loop



- Internal SMEs: HEOR specialists and statistical experts; GHEOR and Access indication leads; Clinical; Local country teams
- External SMEs: Advisory boards; KOL engagement

# 03) SME review process using the feedback loop



- Feedback loop run with SME reviews until comments are addressed
- Further minor manual revisions as required
- Report is signed off by all parties and included in HTA submission

# Paramount to have a rigid and scientific approach for developing AI solutions intended for use with external agencies

01



Build solutions around blueprint **accepted and published methods**

02



**Break overall workflow into smaller subtasks** and assign to:

- 1) Human
- 2) Deterministic programming
- 3) AI

03



Design **thorough human-driven QC processes** for entire workflow and **QC everything that goes into and comes from the AI**

04



Solutions are developed by **in-house SMEs, consultancy partners,** and further refined with external **world-leading SMEs**

05



**External SMEs are brought in early** (not at the end) to help identify areas for improvement to refine and optimize solution mid-flight

*We are here*

06



Retain blinded validation datasets to **test generalizability** and **avoid overfitting solution to test data**

07



Publish approach in peer-reviewed journals for full **transparency** and cite when solution is used with HTAs