



# How R pharma?

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# What is pharmaverse?





# What is pharmaverse?

SDTM

ADaM

TFL

Shiny

eSub

Utilities





# Pharmaverse collaborates

SDTM

ADaM

TFL

Shiny

eSub

Utilities

- PHUSE Supported
- R/pharma
- R consortium
- CDISC
- (Authorities)



# Pharmaverse collaborates

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**pharmaverse:**  
*Breaking boundaries through  
open-source collaboration*

Presented to Office of Computational Sciences, US  
FDA





# The survey

- Large representation of top 20 pharma
- Usage of R and pharmaverse packages
- Repeated yearly

SDTM

ADaM

TFL

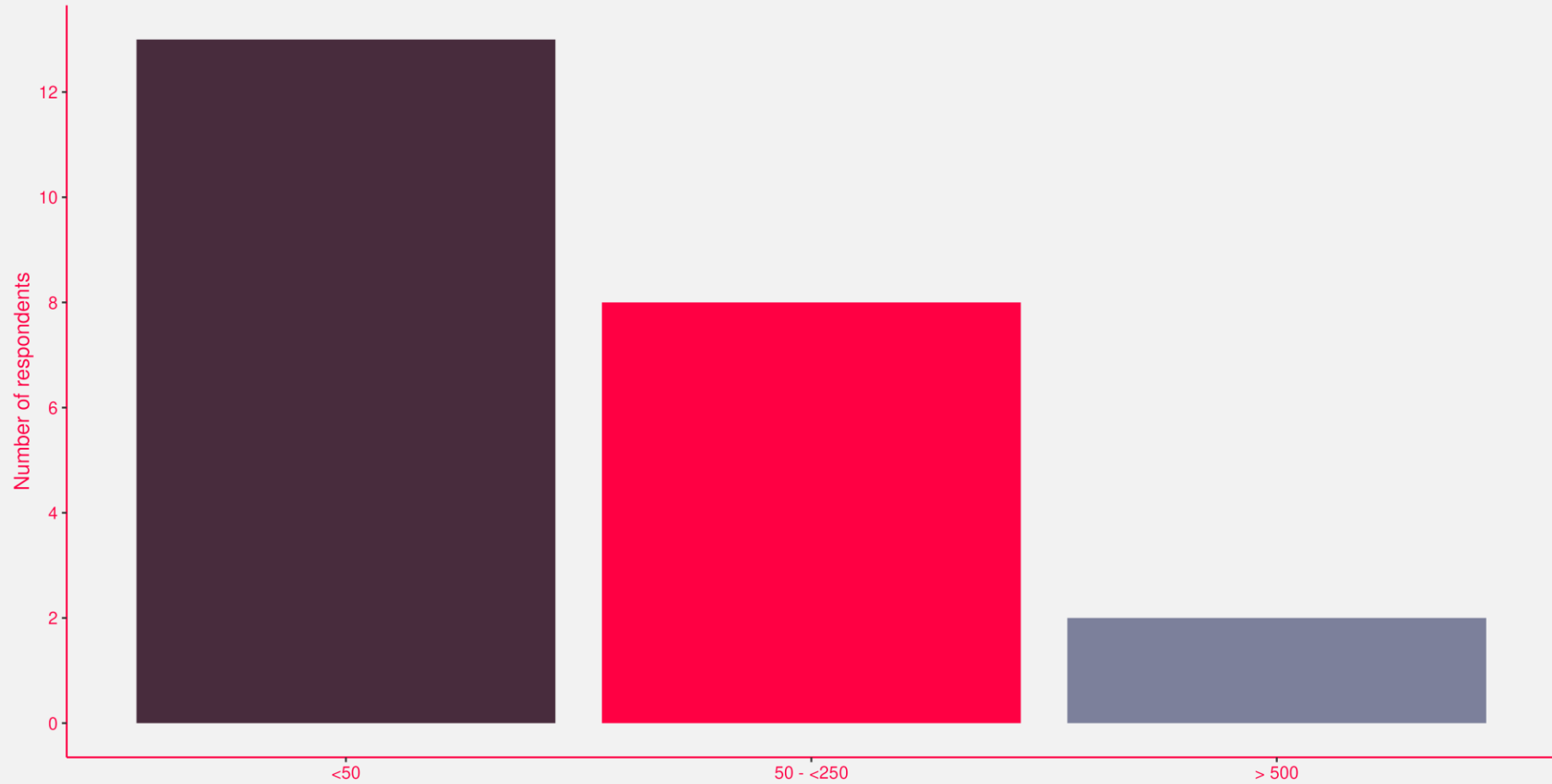
Shiny

eSub

Utilities



# Number of R users



SDTM  
ADaM  
TFL  
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# Usage of R

SDTM

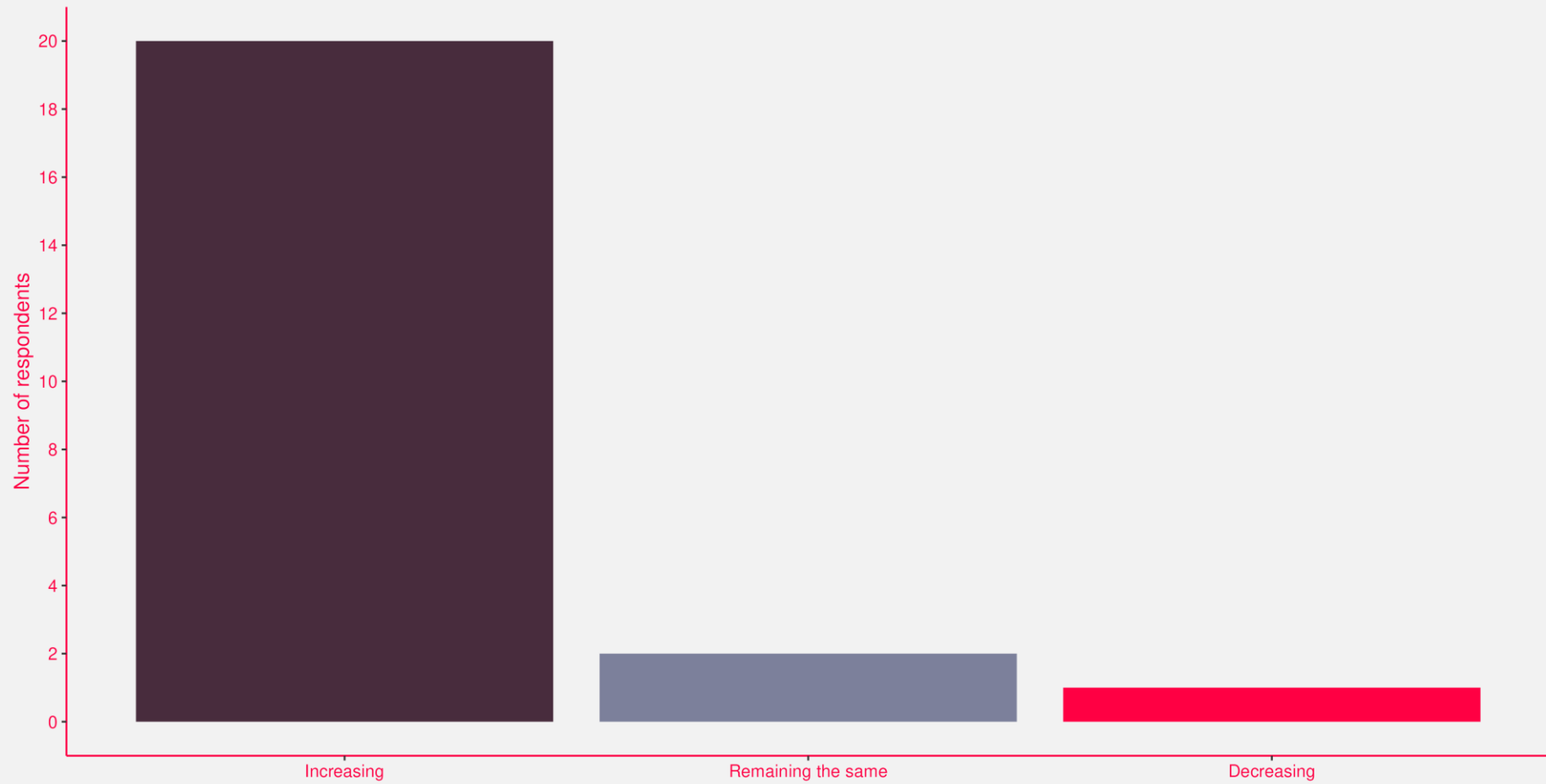
ADaM

TFL

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eSub

Utilities

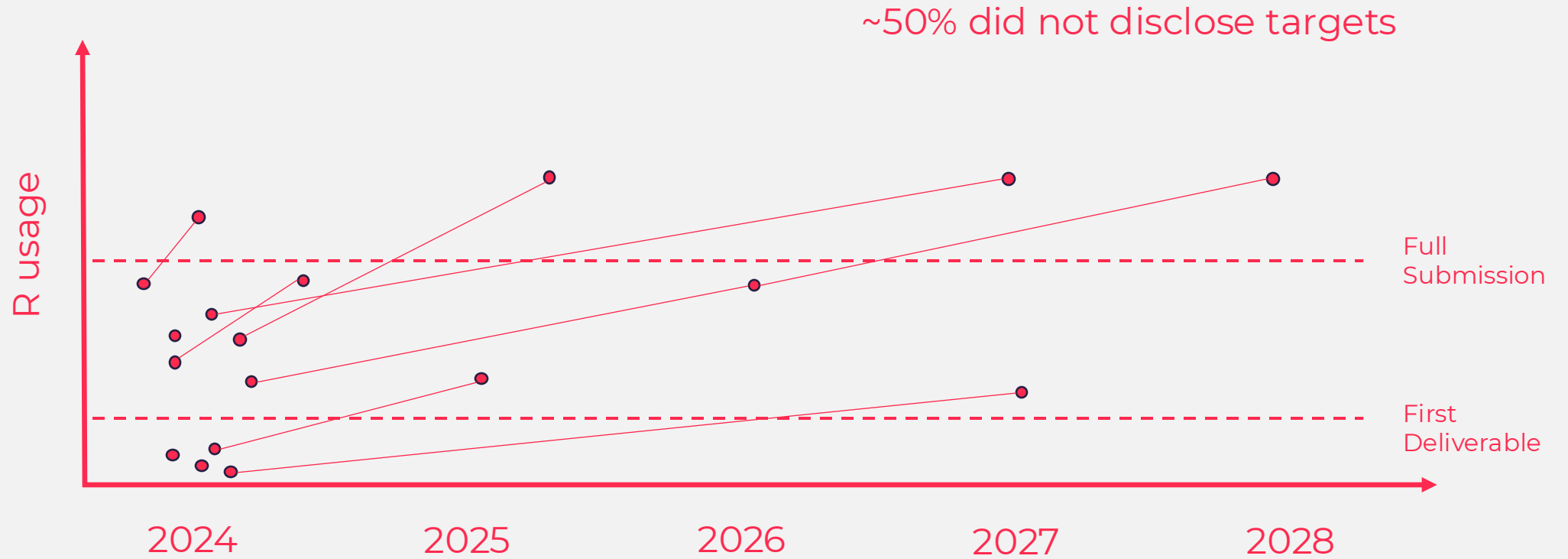






# Targets for R

SDTM  
ADaM  
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Utilities





SDTM >

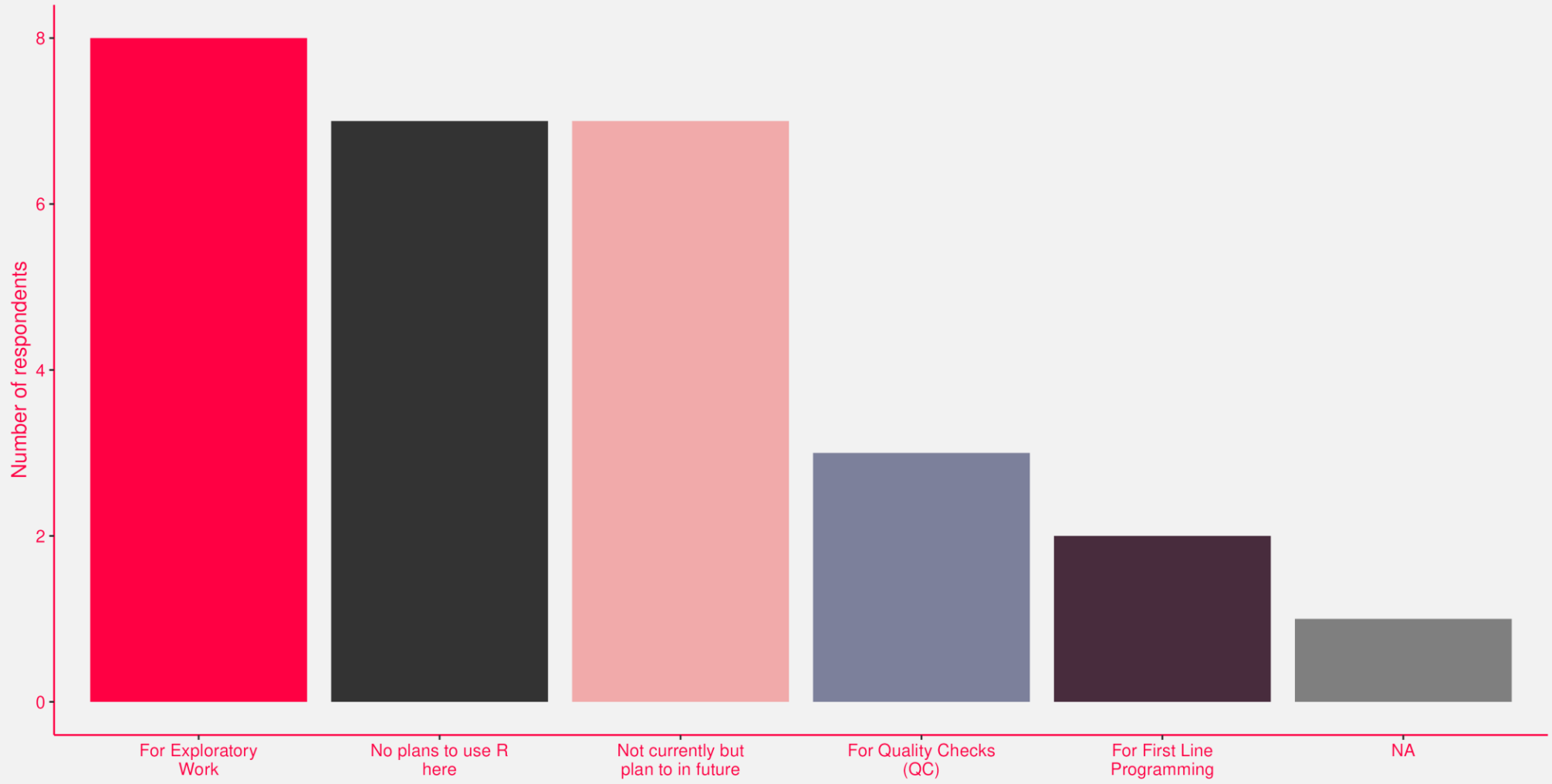
ADaM

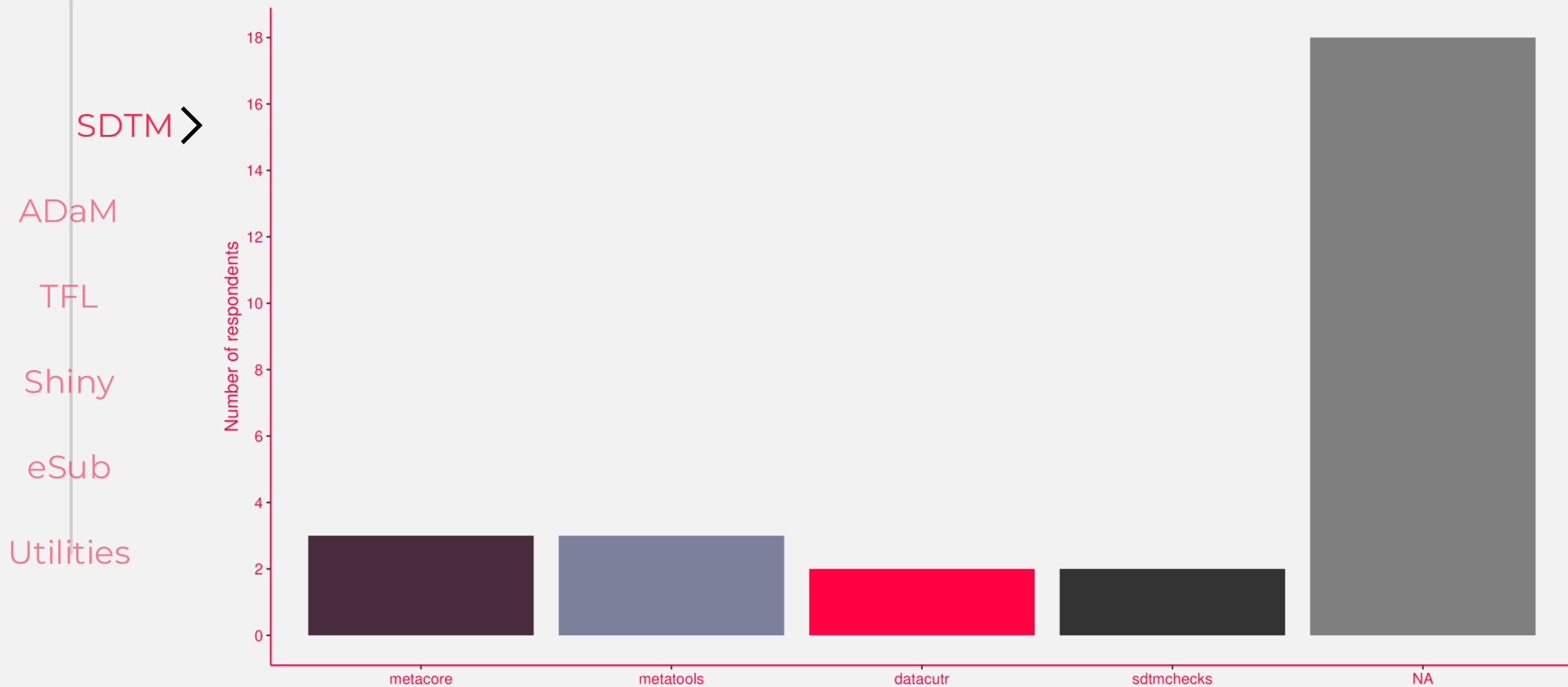
TFL

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SDTM >

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# SDTM.OAK



SDTM >

ADaM

TFL

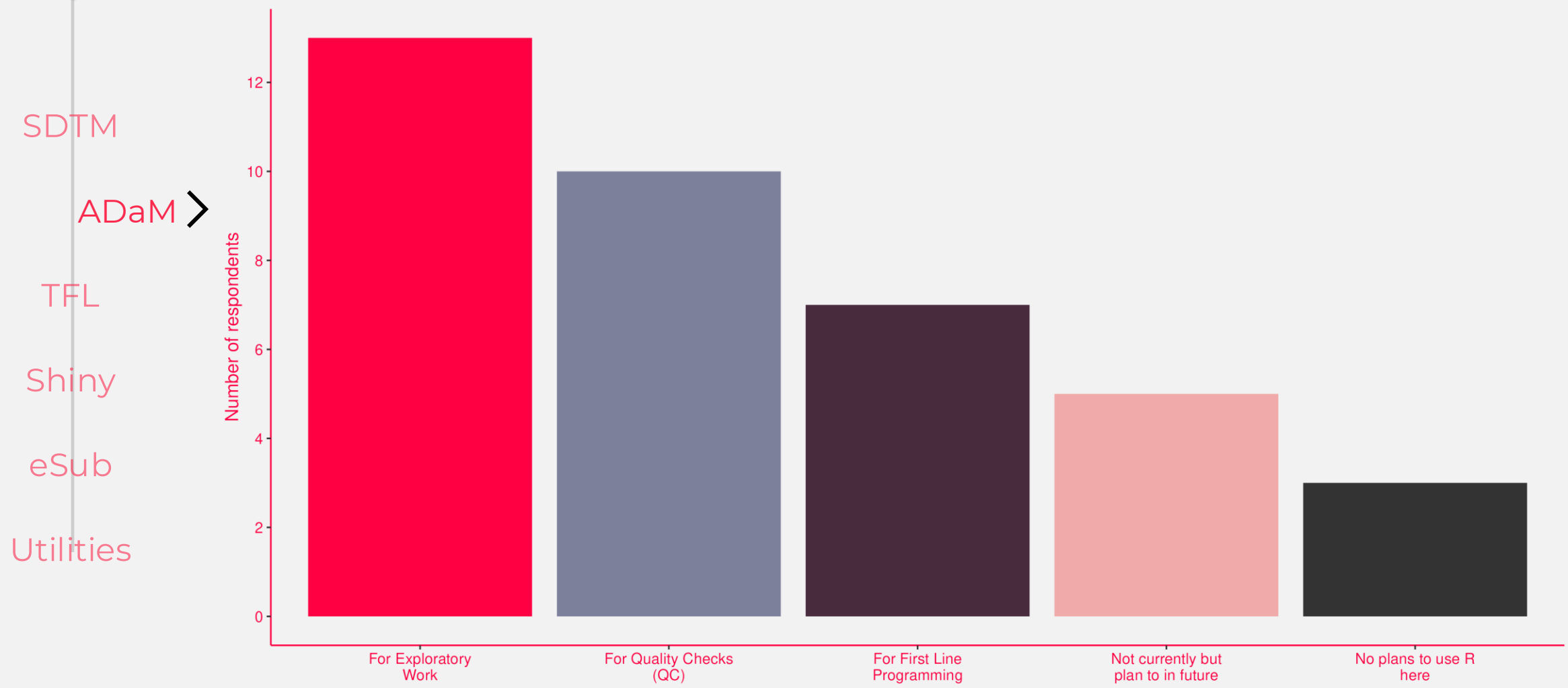
Shiny

eSub

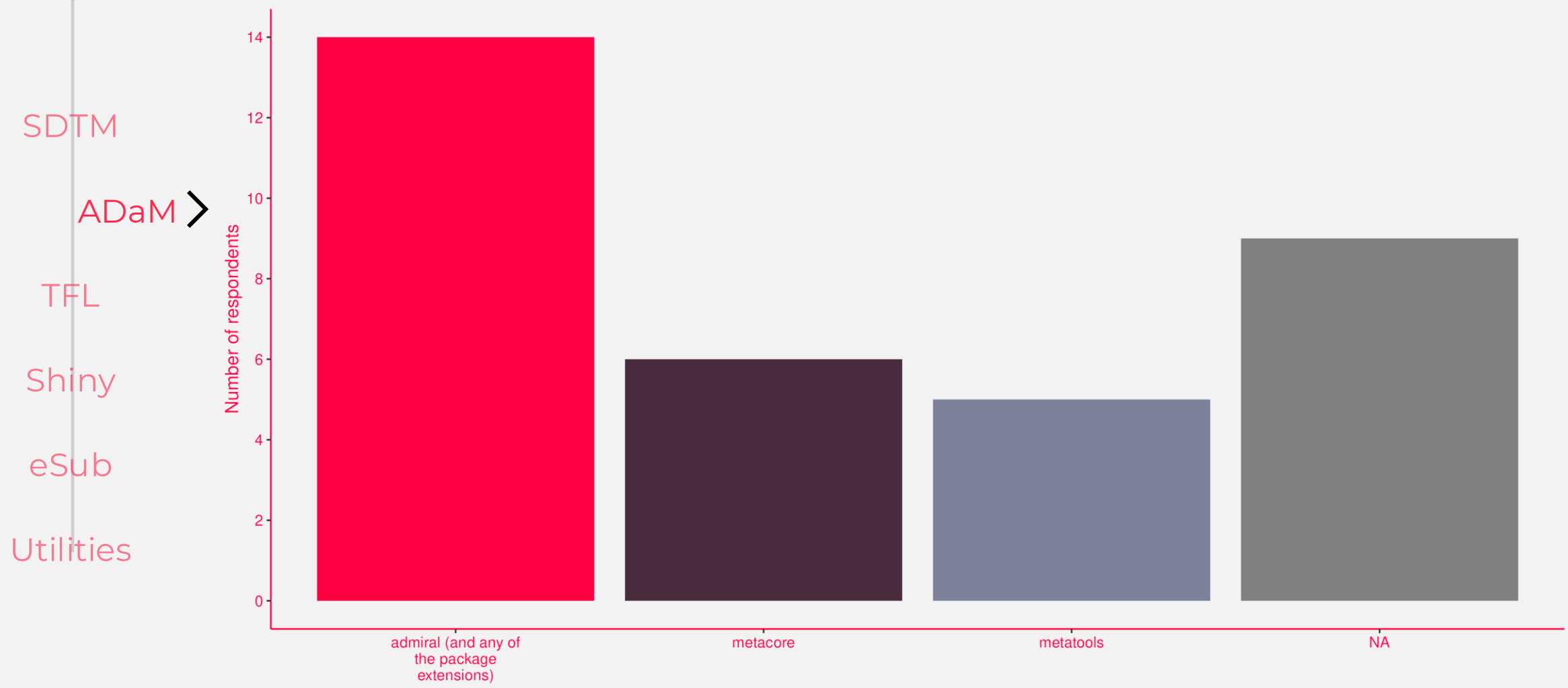
Utilities



- CDASH to SDTM
- EDC and Data Standard agnostic
- Modular and built for automation



SDTM  
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# admiral family

Supported  
by  
phuse

SDTM

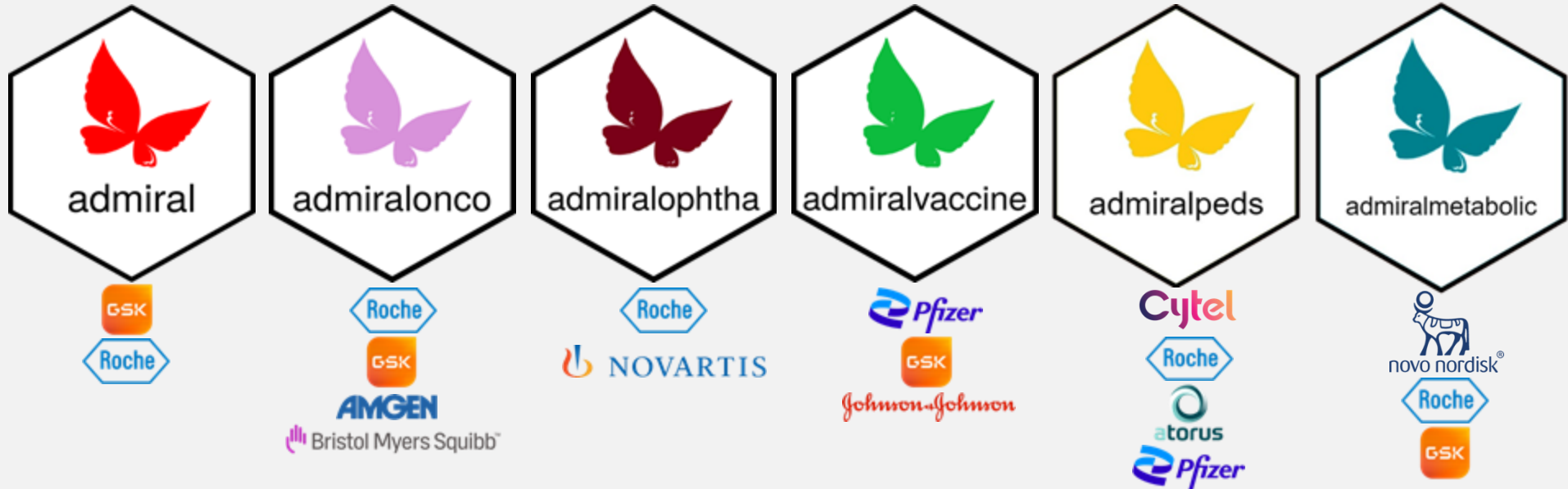
ADaM >

TFL

Shiny

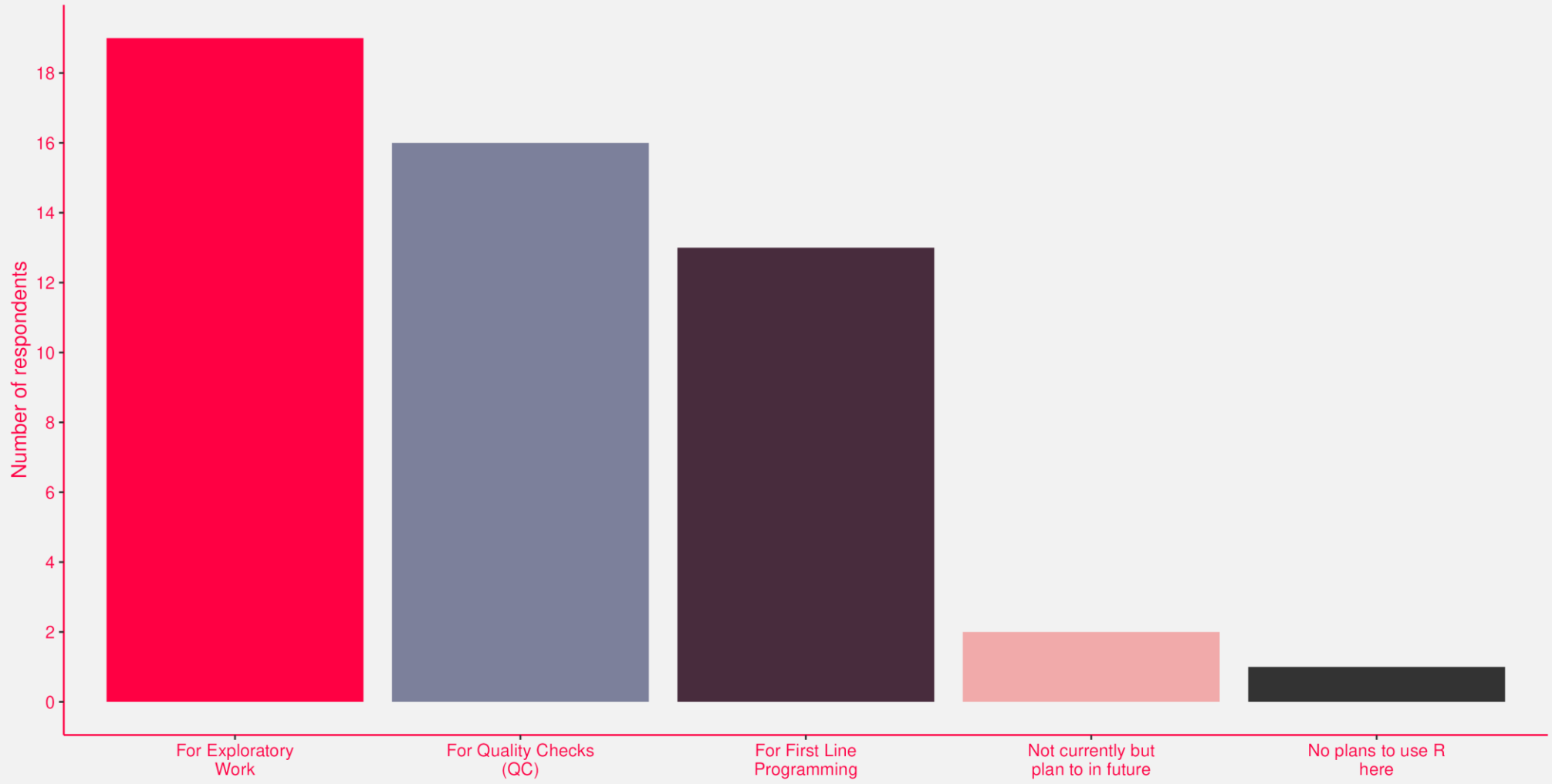
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Utilities

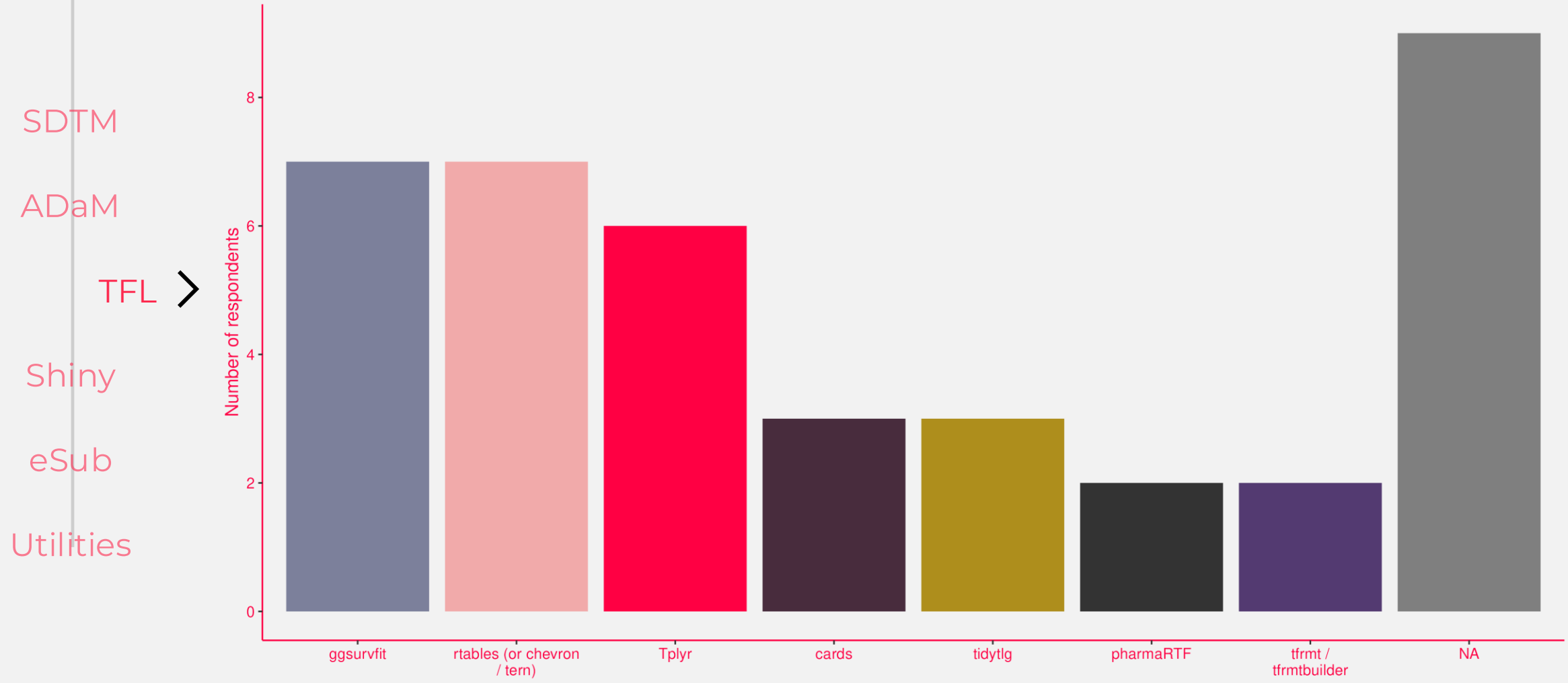




SDTM  
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SDTM  
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# ARDS

SDTM

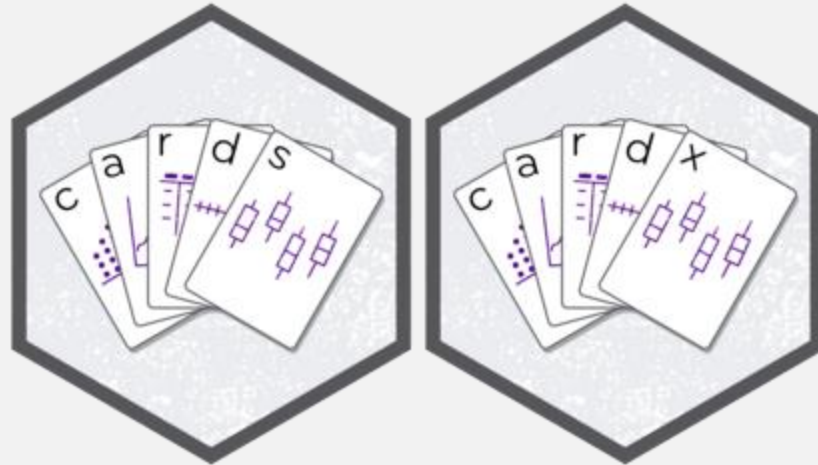
ADaM

TFL >

Shiny

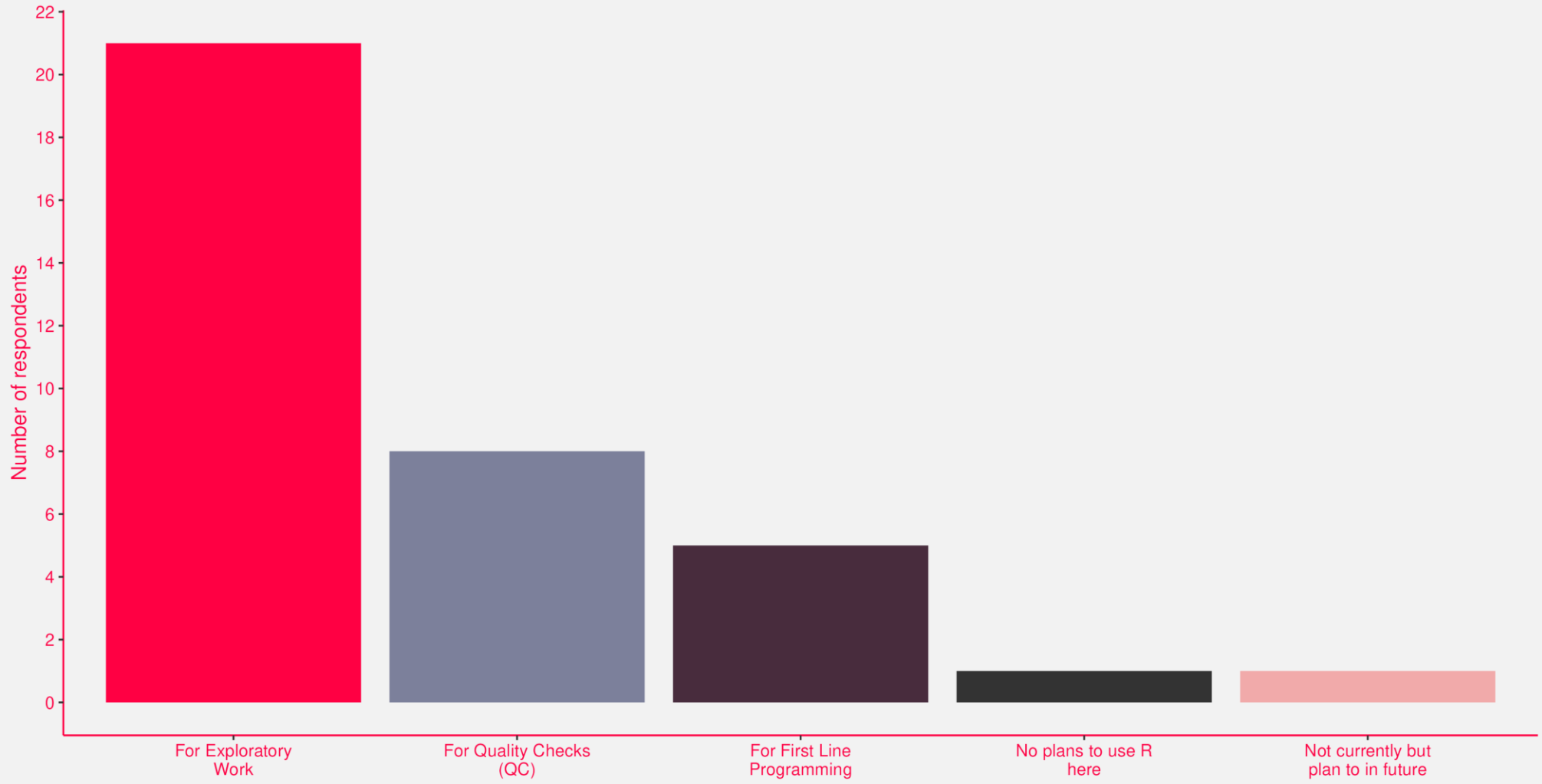
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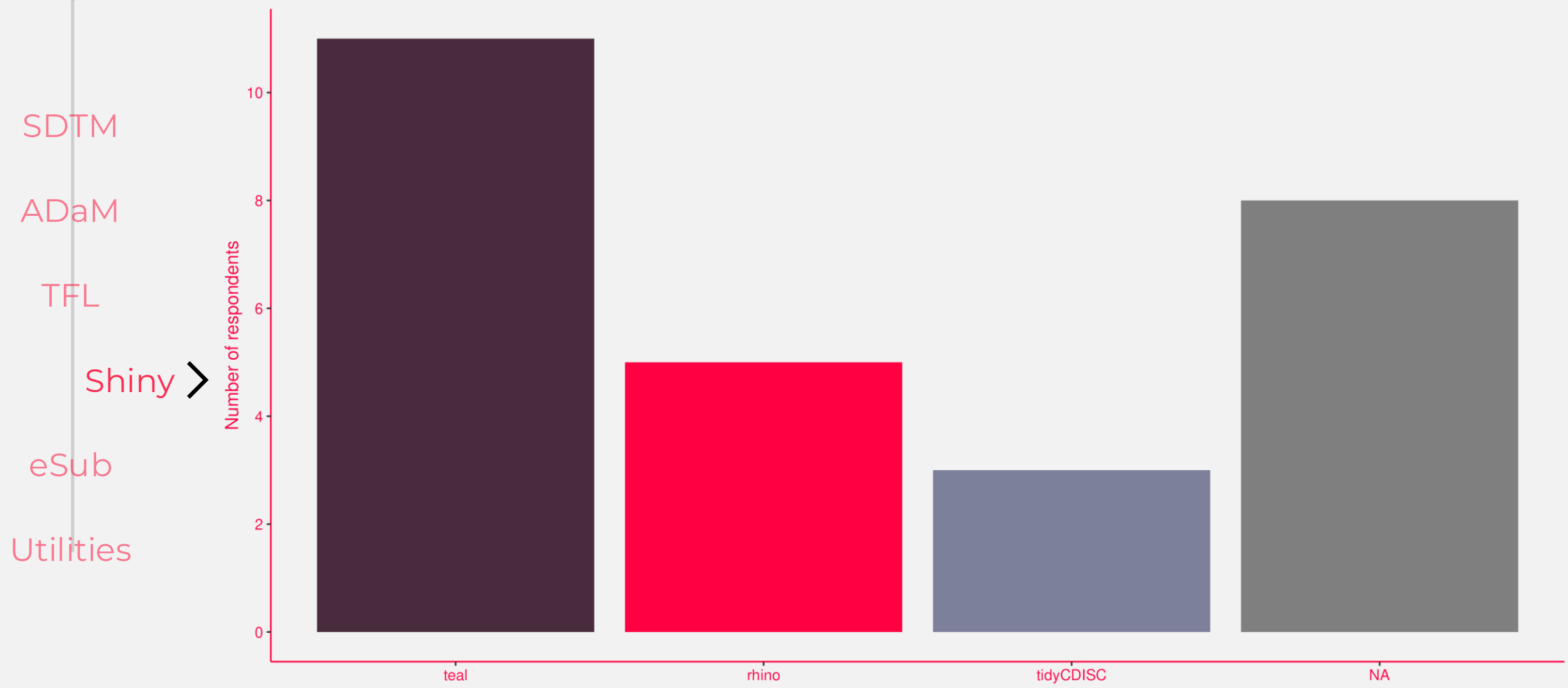
Utilities





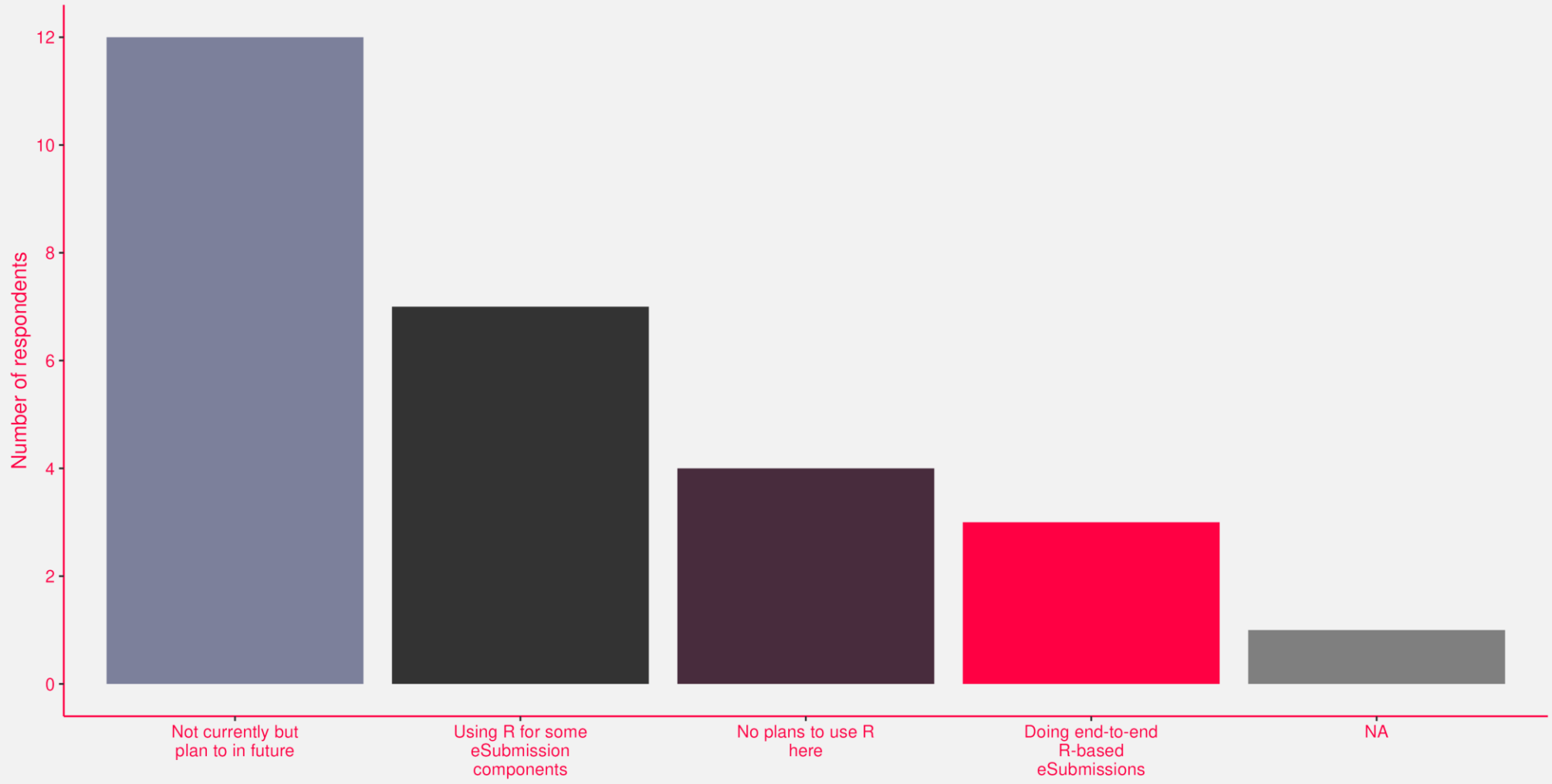
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Utilities





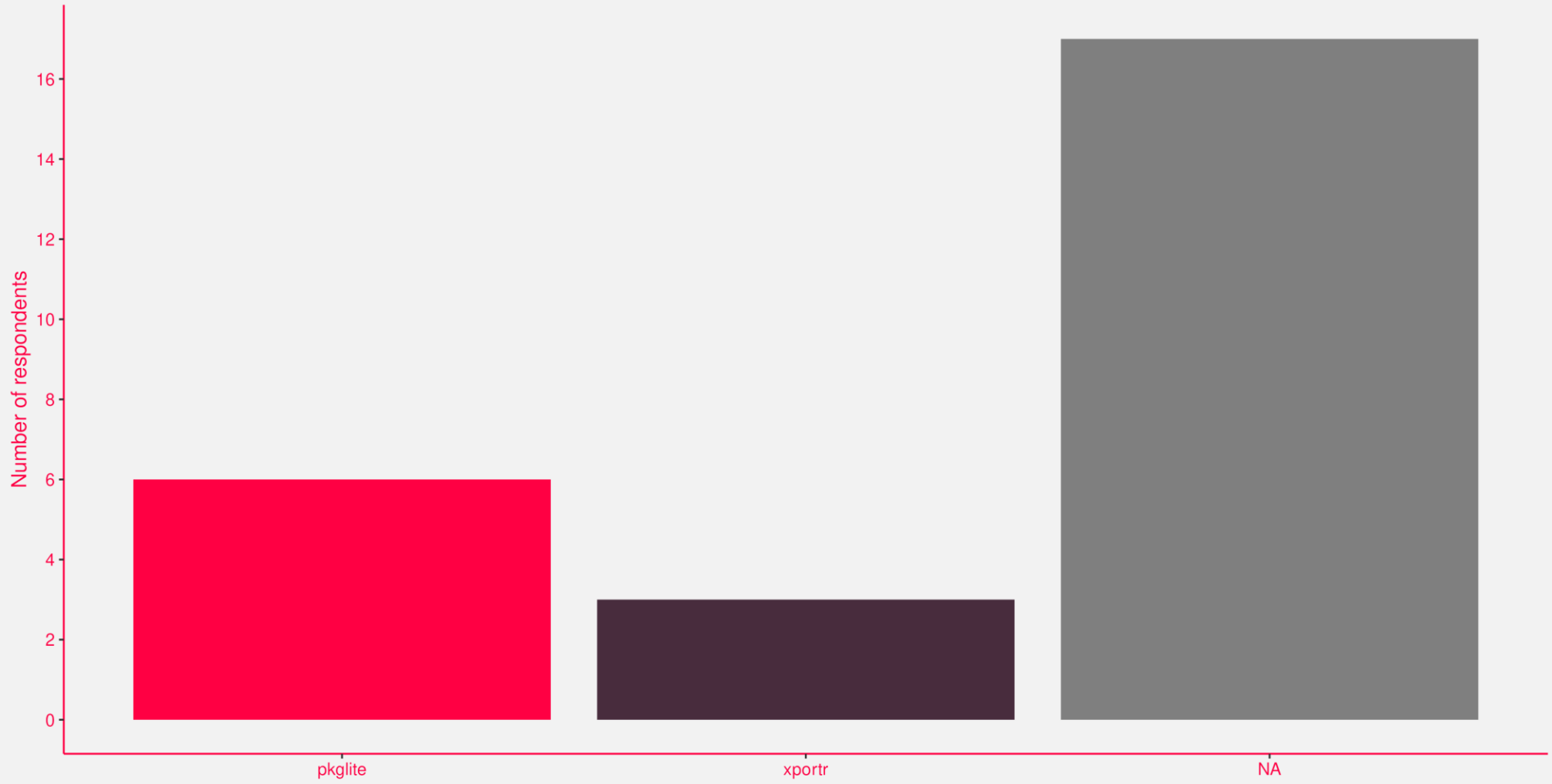


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SDTM  
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# consortium

SDTM

ADaM

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Utilities

Pilot 1: TFL

Pilot 2: Shiny application

Pilot 3: ADaM + TFL

Pilot 4: Webassembly / Container





SDTM

ADaM

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eSub >

Utilities



- Read/Write data in datasetJSON format
- Great example of rapid prototyping using pharmaverse infrastructure





# Submission status



SDTM

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# Submissions

SDTM

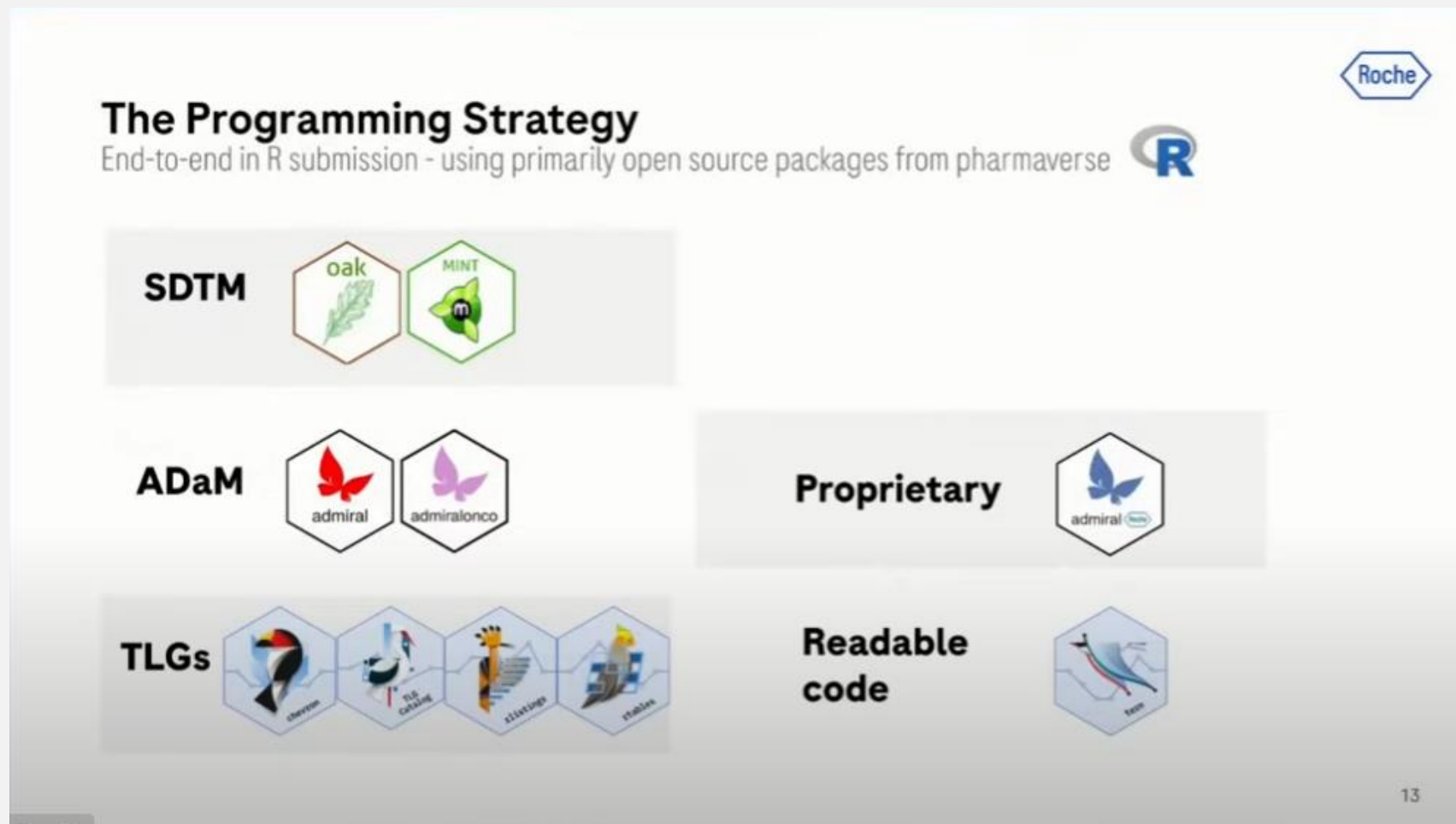
ADaM >

TFL

Shiny

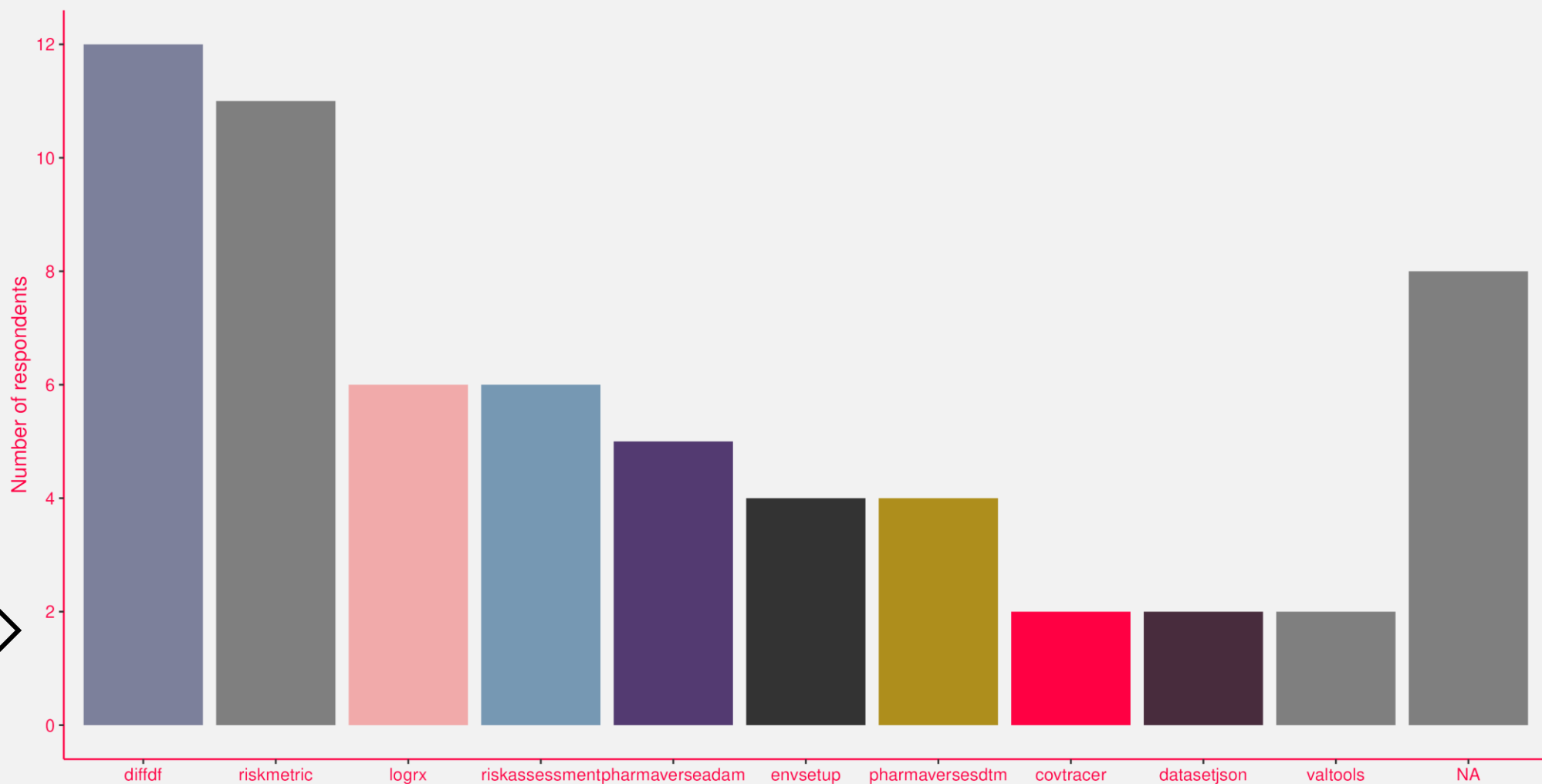
eSub

Utilities



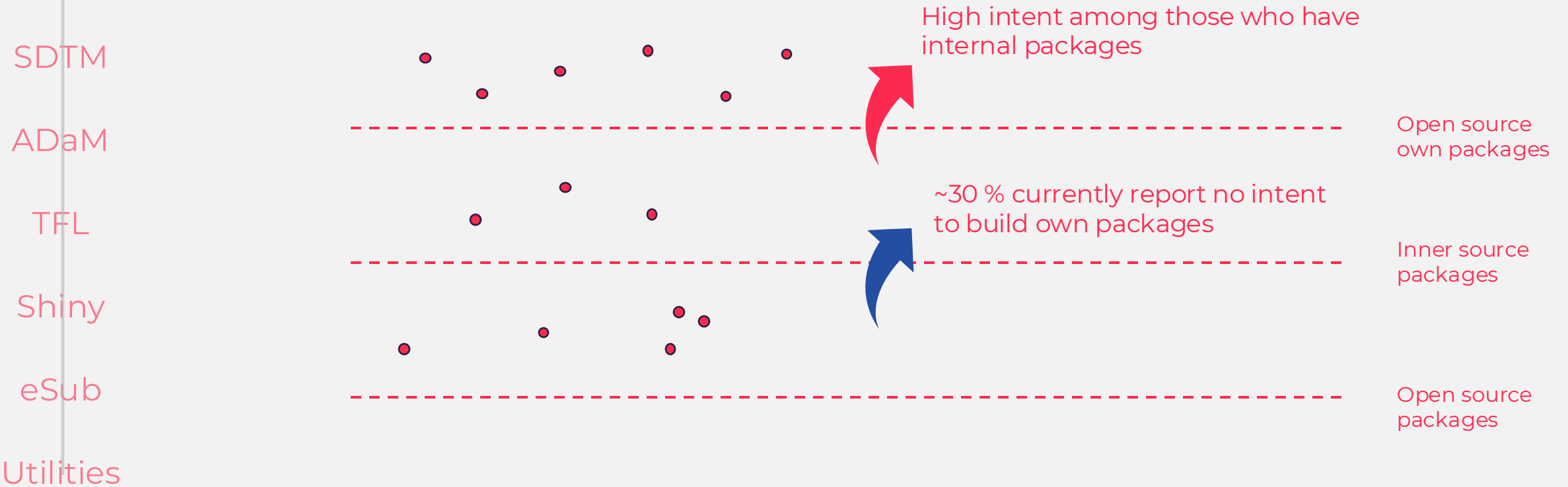


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# Open/Inner source R packages





# Pharmaverse – Why collaborate?

- Streamlined workflows and consistent quality across clinical reports/submissions
- Facilitate regulatory compliance through standardized packages
- Reduce redundant efforts, increasing efficiency and reducing costs
- Encourage innovation and rapid problem-solving through shared knowledge and resources



# Call to action

- Your barriers
- Your feedback
- Your future



[www.pharmaverse.org](http://www.pharmaverse.org)

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