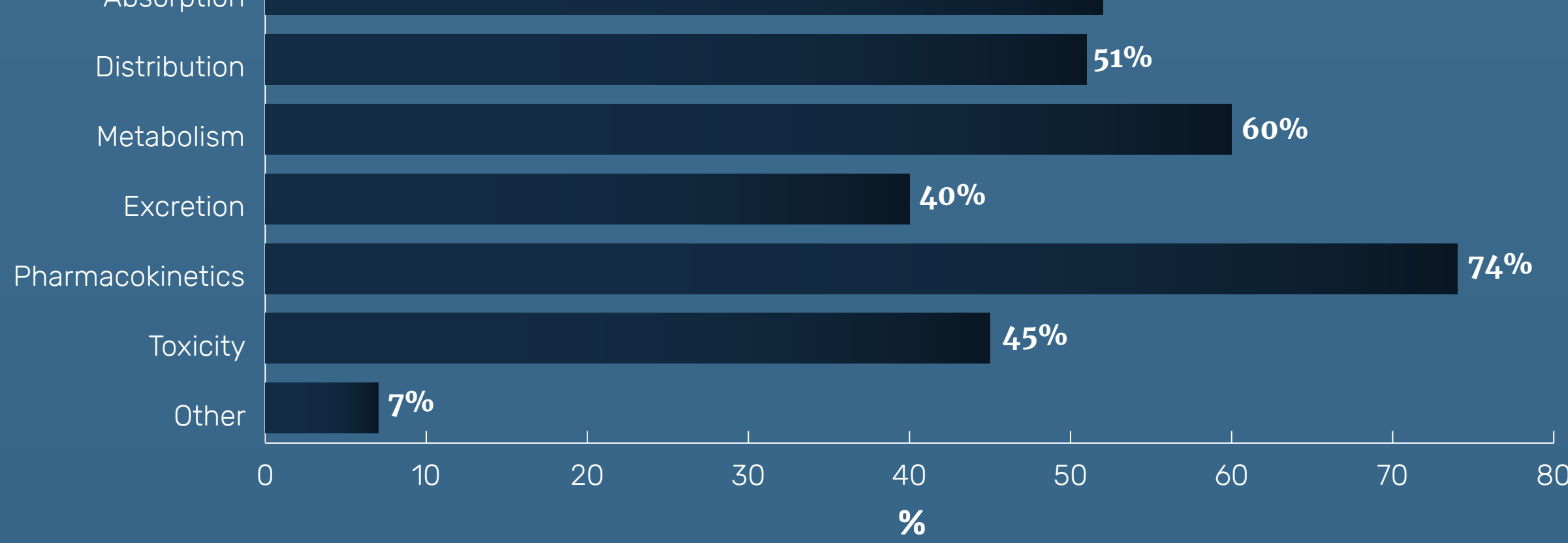


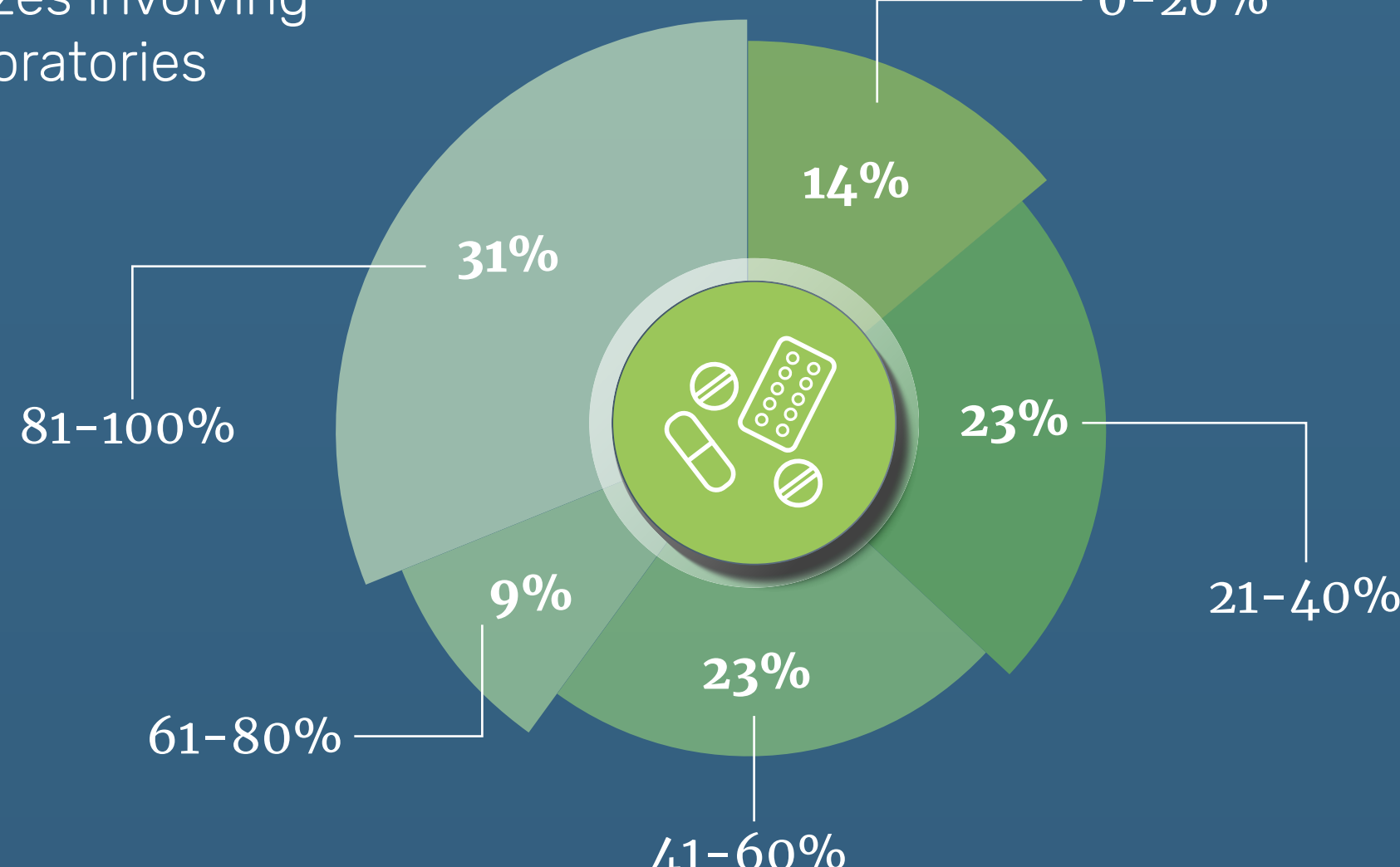
# DRUG METABOLISM AND PHARMACOKINETICS (DMPK)

## Trends in DMPK

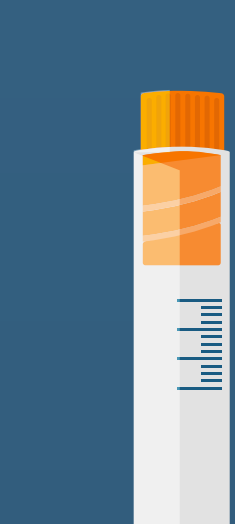
Key aspects focused on during drug discovery included:



The proportion of analyzes involving DMPK carried out in laboratories included:



Types of DMPK ADME studies being conducted:



**64%**

*In vitro* assays



**62%**

*In vivo* assays



**59%**

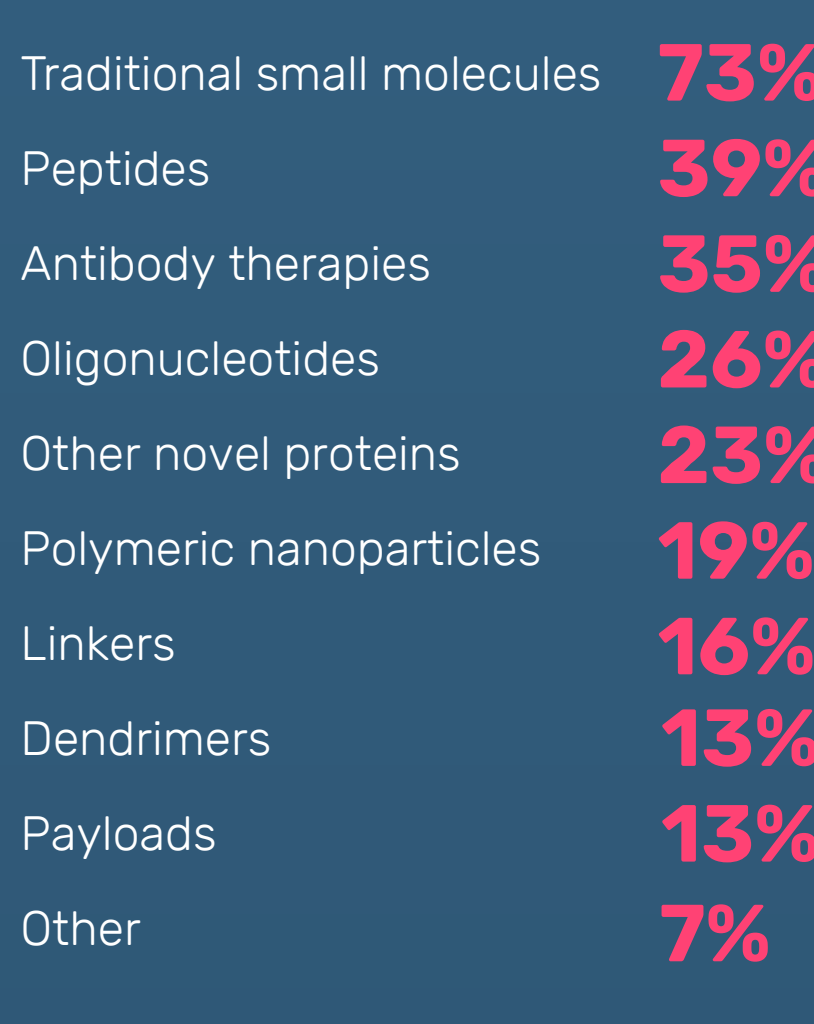
Animal models



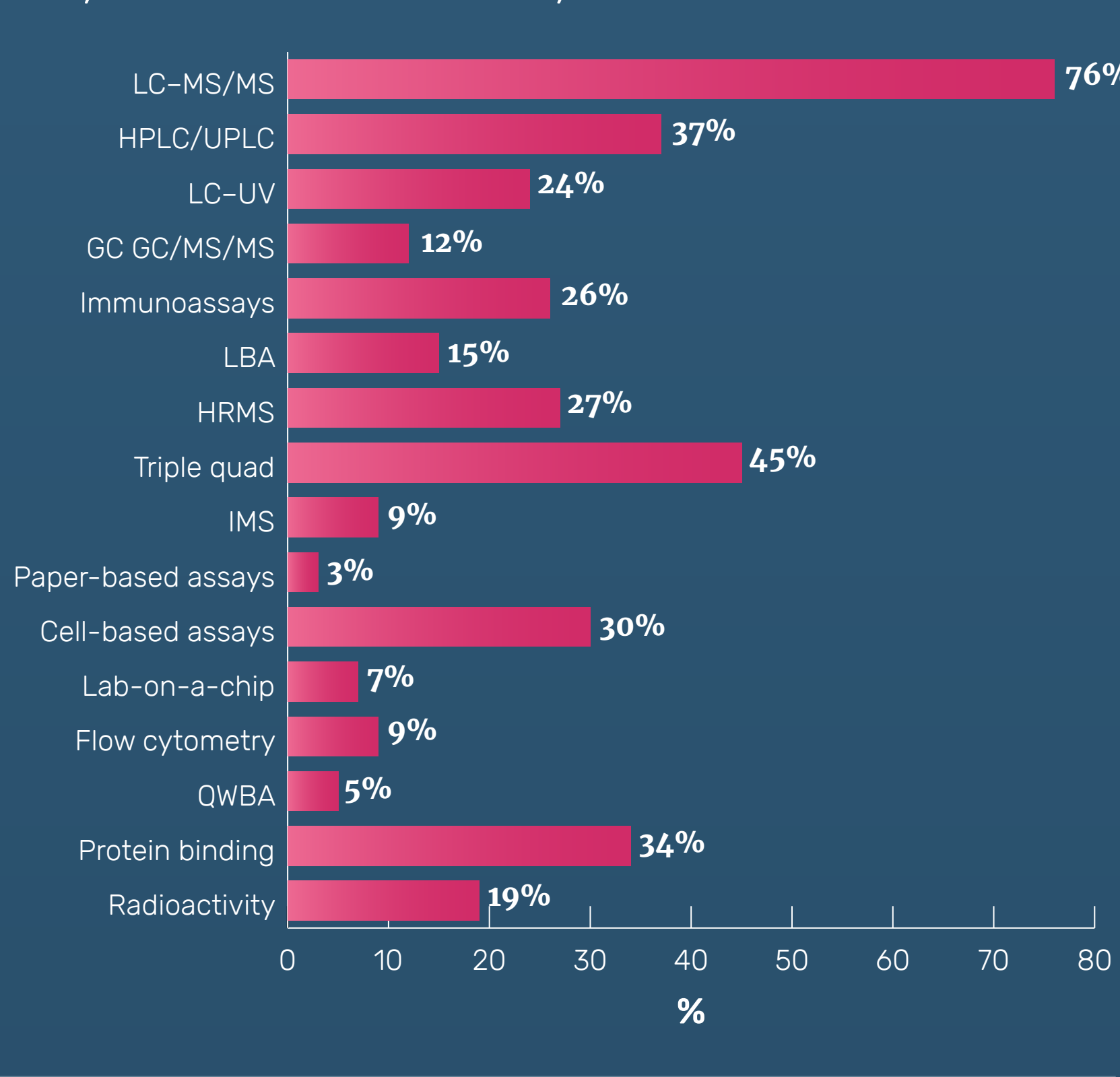
**24%**

Radioactivity studies

Types of therapeutics used:



Key methods used to analyze DMPK included:



Are current regulatory guidelines satisfactory for the analysis of DMPK?



**85%**

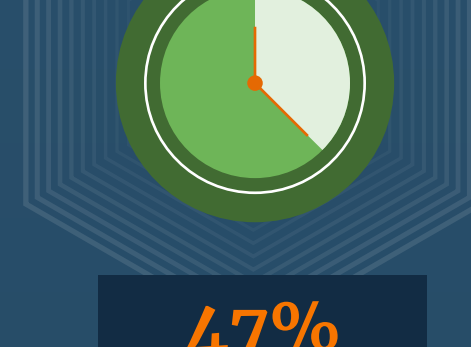
Yes



**15%**

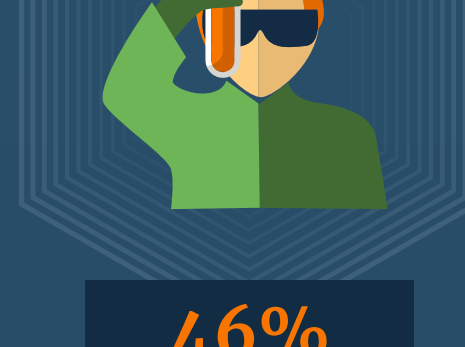
No

Top 3 challenges of analyzing DMPK:



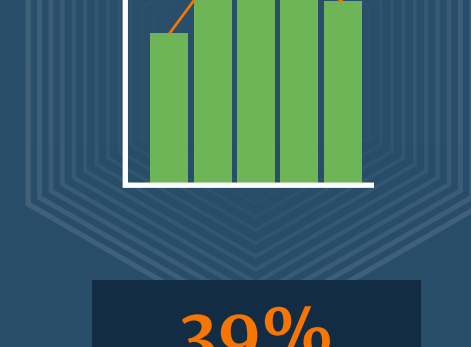
**47%**

Time



**46%**

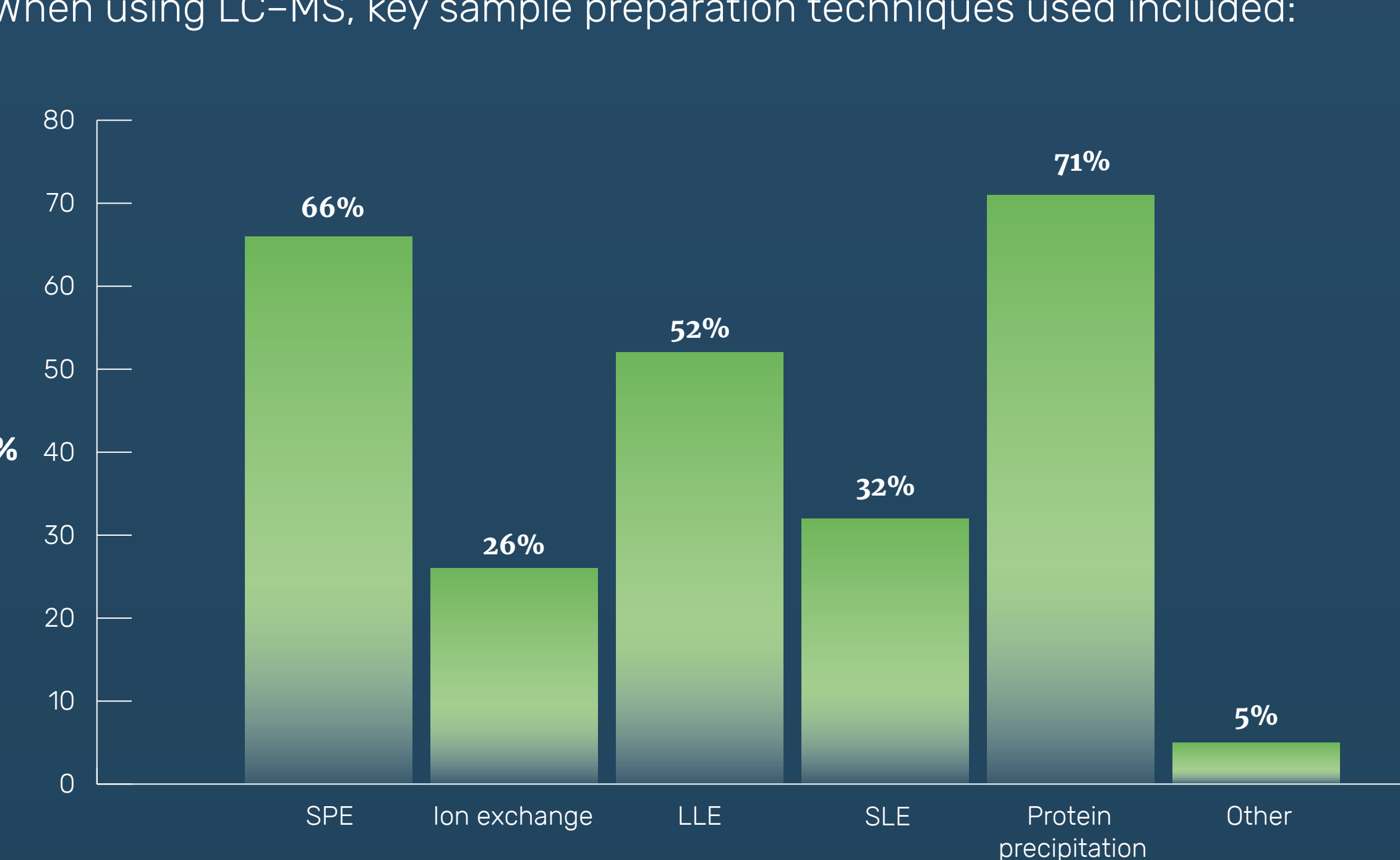
Requiring highly skilled experts



**39%**

Analytical and validation challenges

When using LC-MS, key sample preparation techniques used included:



Key qualities to consider when outsourcing DMPK work:



**80%**

Data quality



**38%**

Price



**26%**

Historical data



**25%**

Company reputation



**7%**

N/A

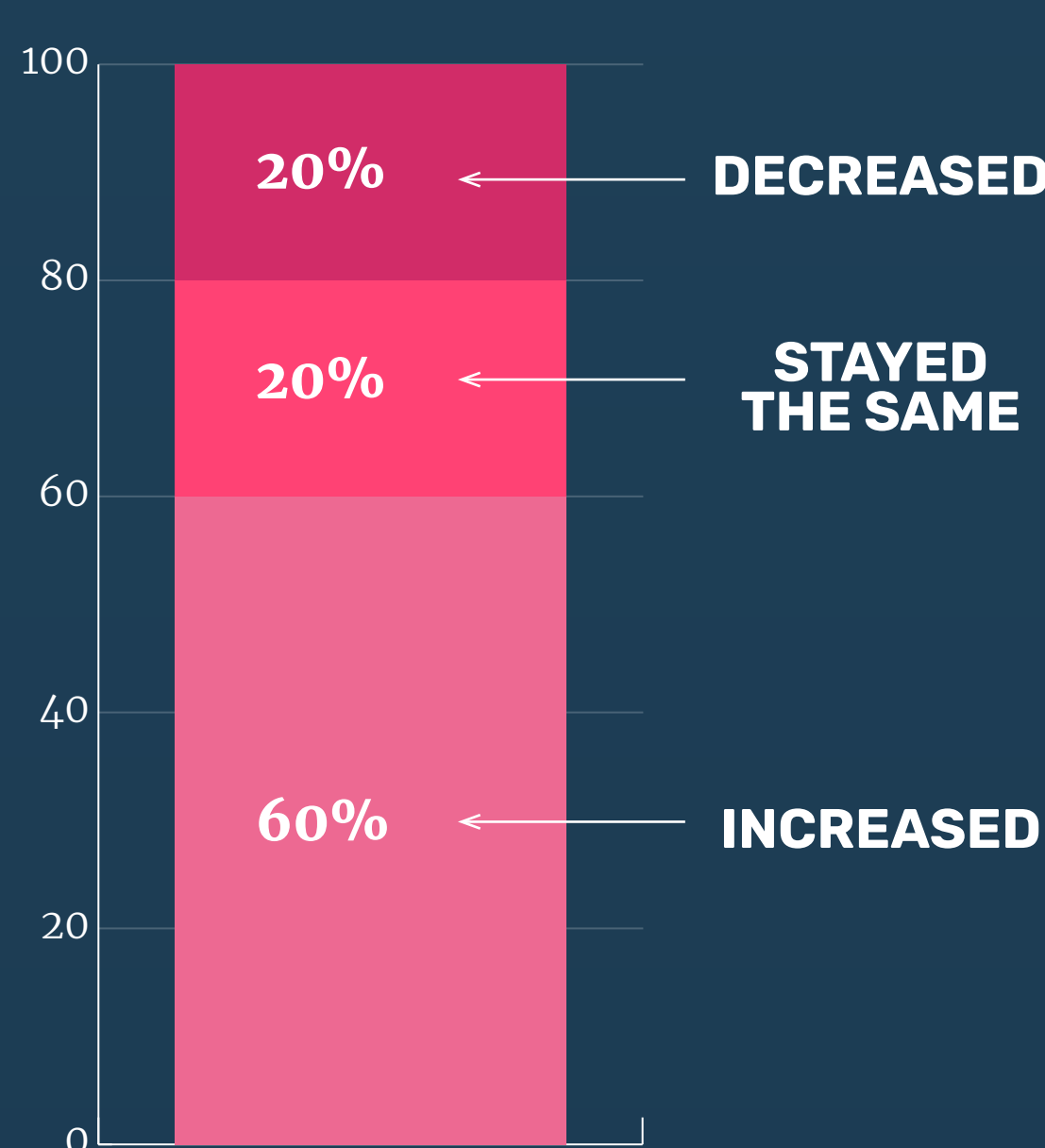


**1%**

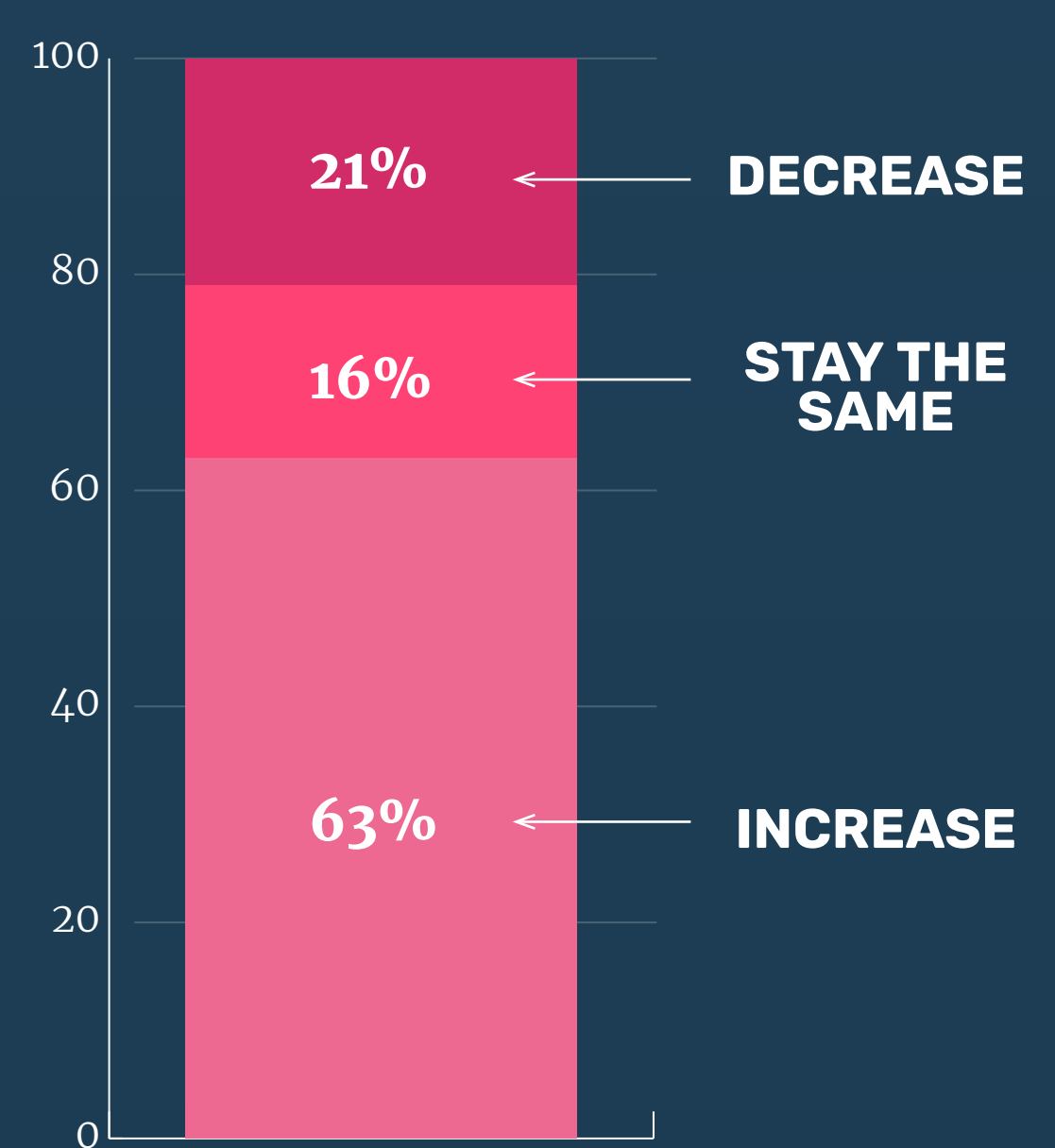
Other

## The future of DMPK

The number of DMPK studies conducted over the last 5 years has:

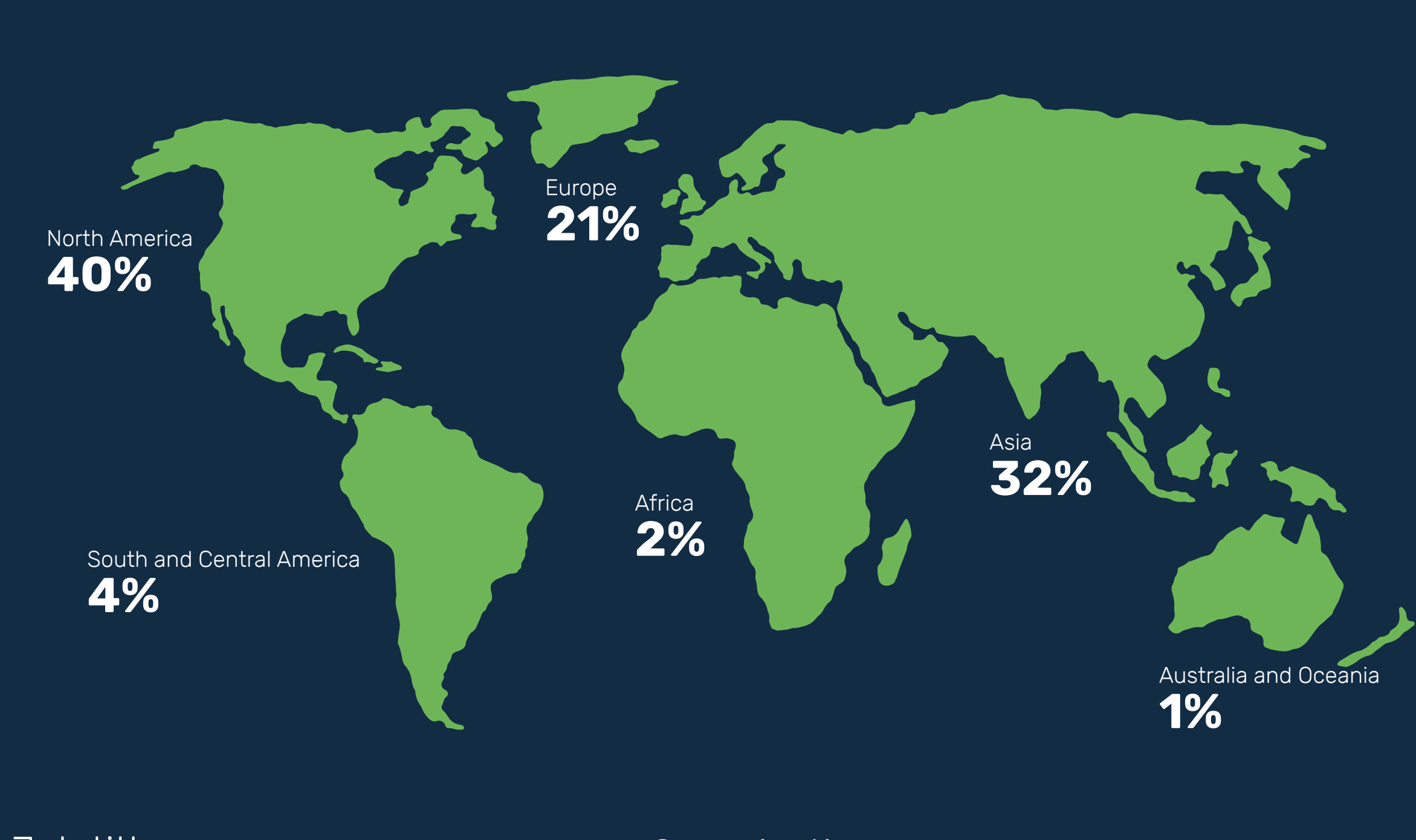


In the next 5 years, the percentage of DMPK studies will:

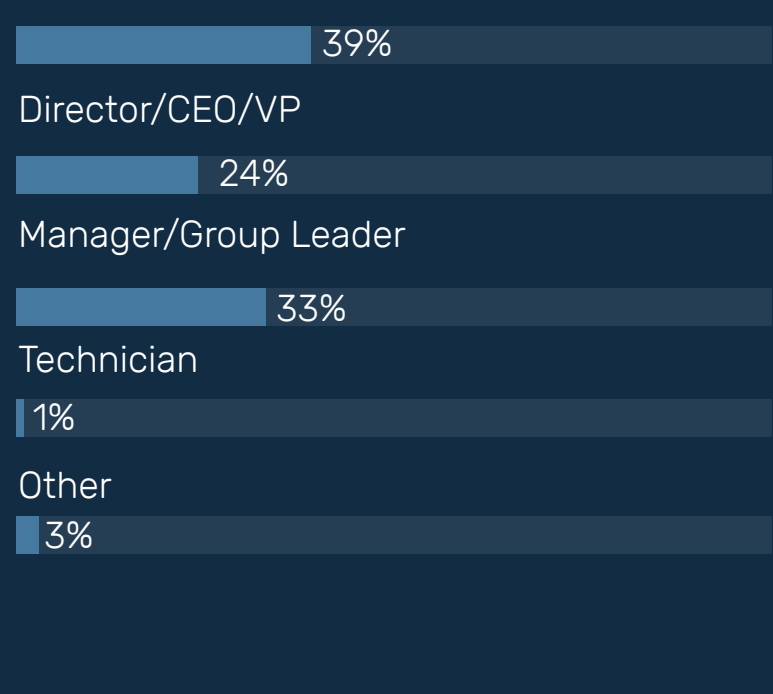


## Demographic of respondents

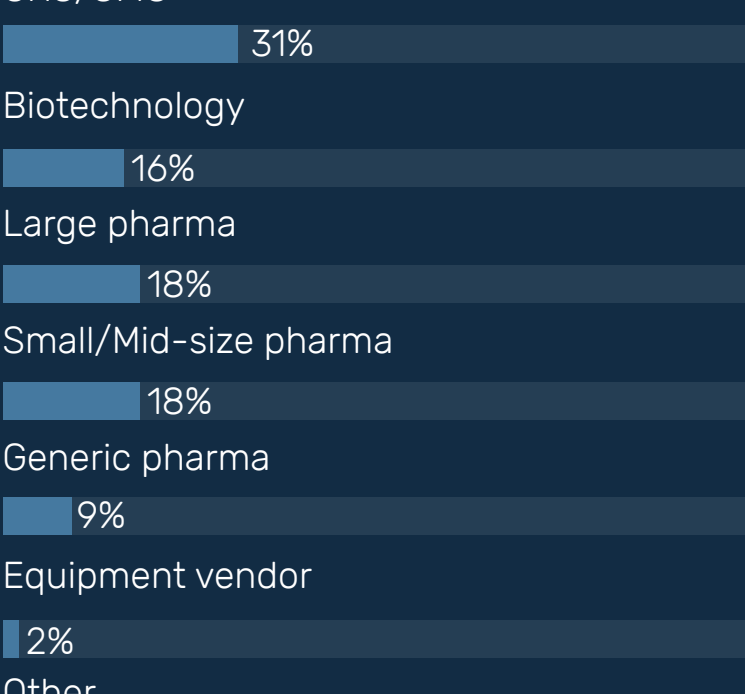
Location



Job title



Organization



This infographic has been created as part of a Bioanalysis Zone feature in association with QPS and SCIEX.