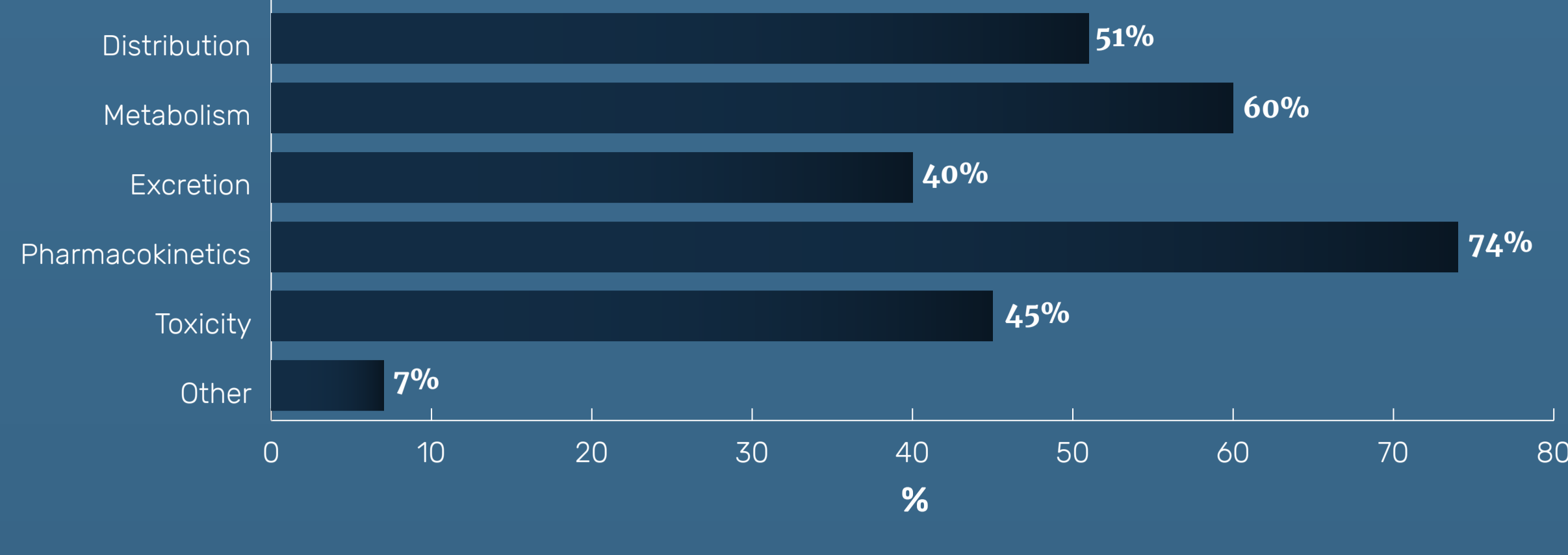


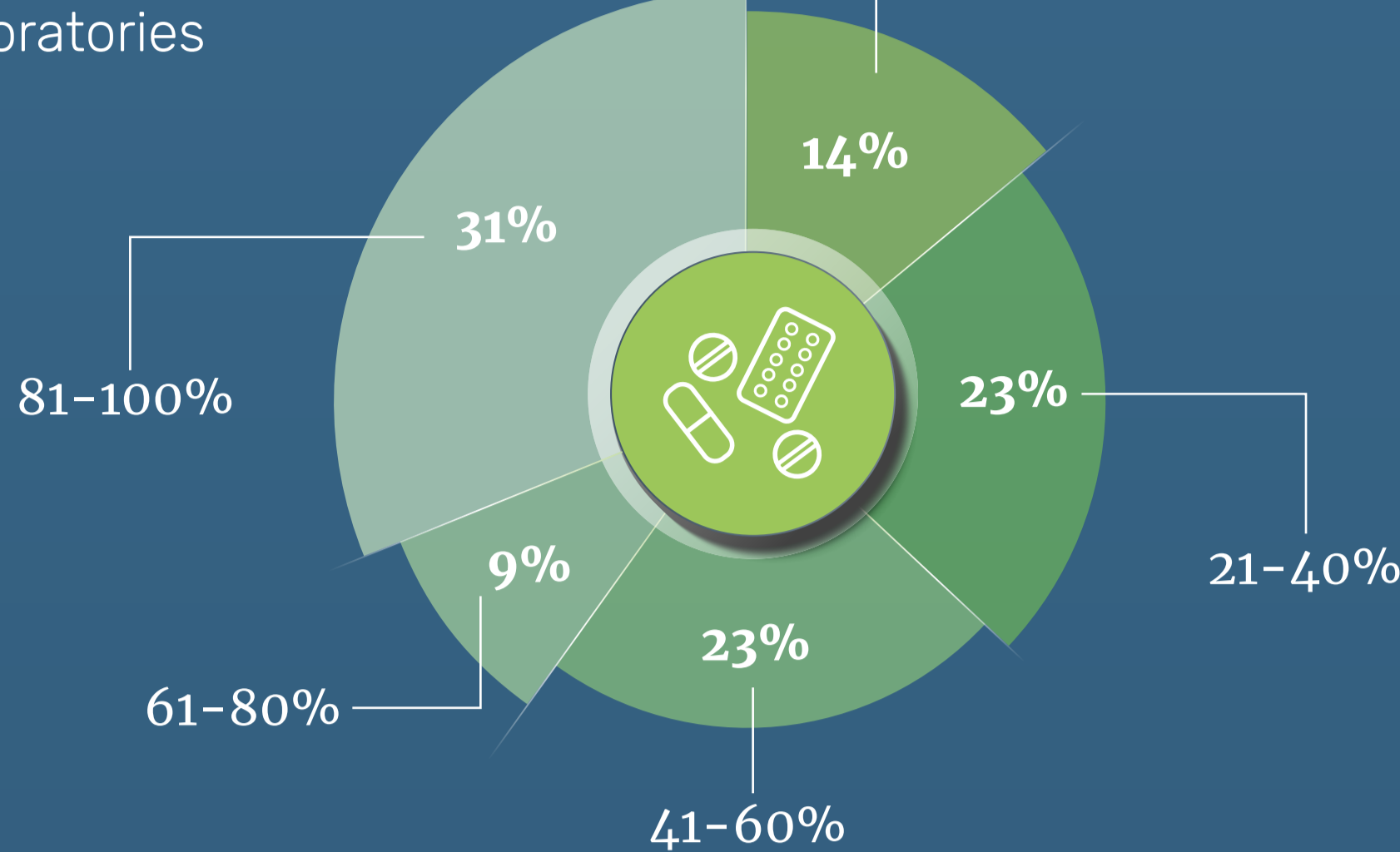
DRUG METABOLISM AND PHARMACOKINETICS (DMPK)

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%

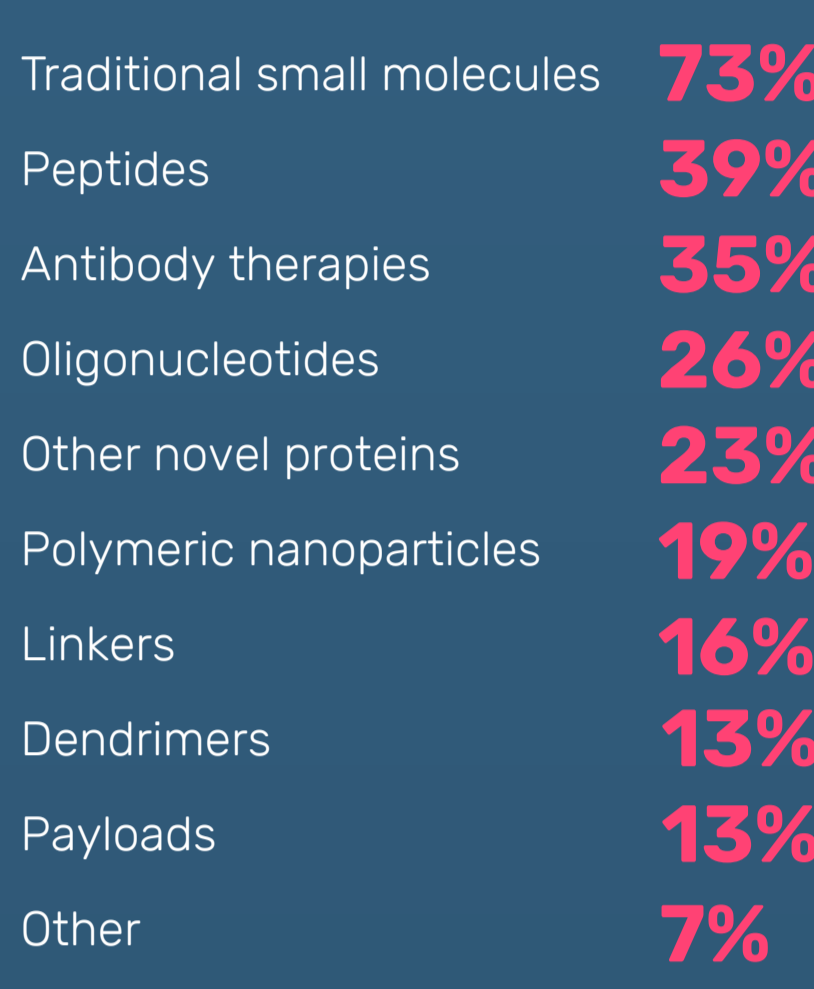
Animal models



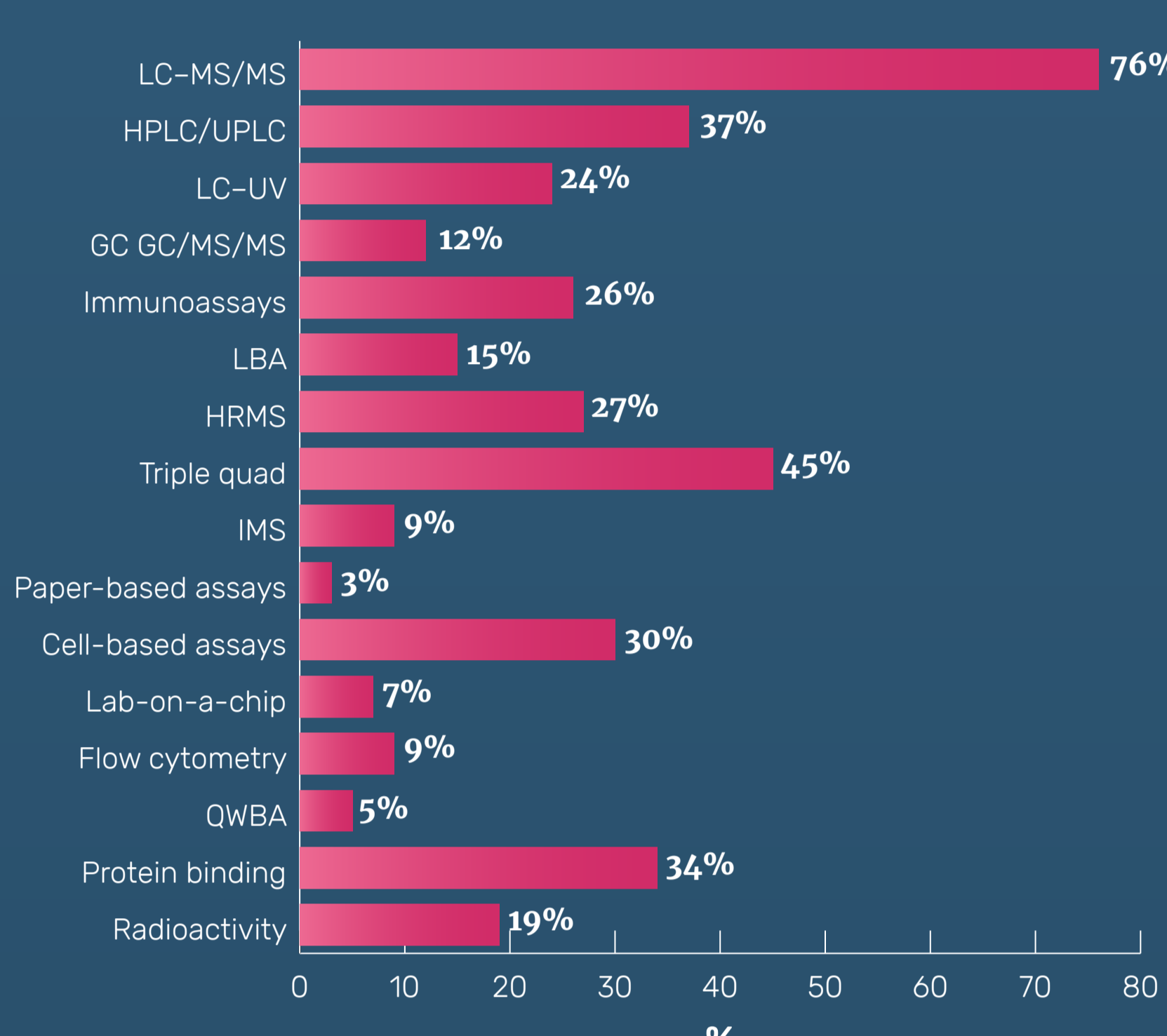
24%

Radioactivity studies

Types of therapeutics used:



Key methods used to analyze DMPK included:



Are current regulatory guidelines satisfactory for the analysis of DMPK?



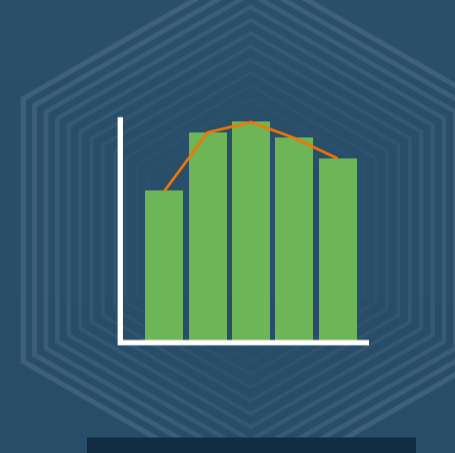
Top 3 challenges of analyzing DMPK:



Time

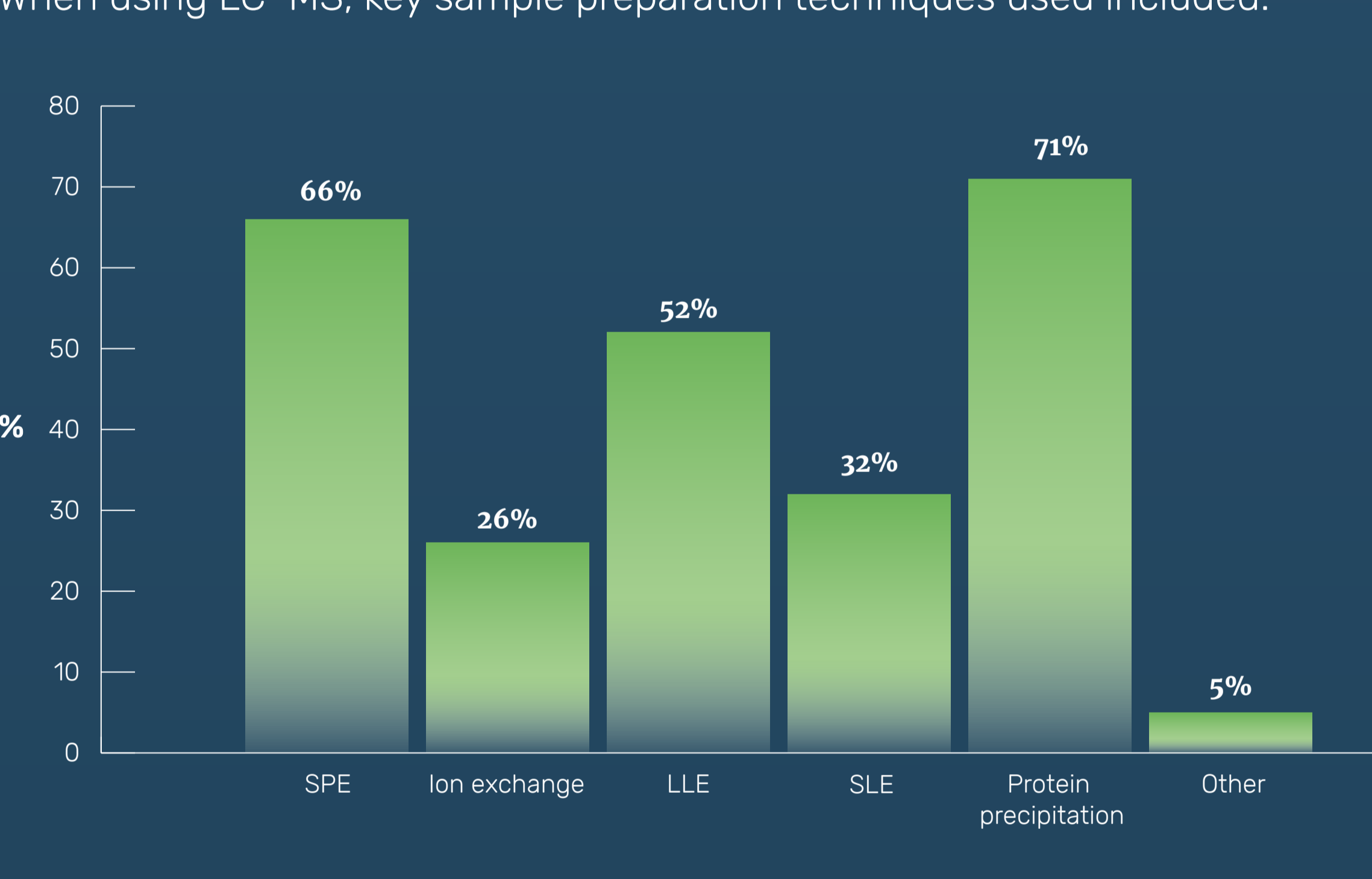


Requiring highly skilled experts



Analytical and validation challenges

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



Key qualities to consider when outsourcing DMPK work:



Data quality



Price



Historical data



Company reputation



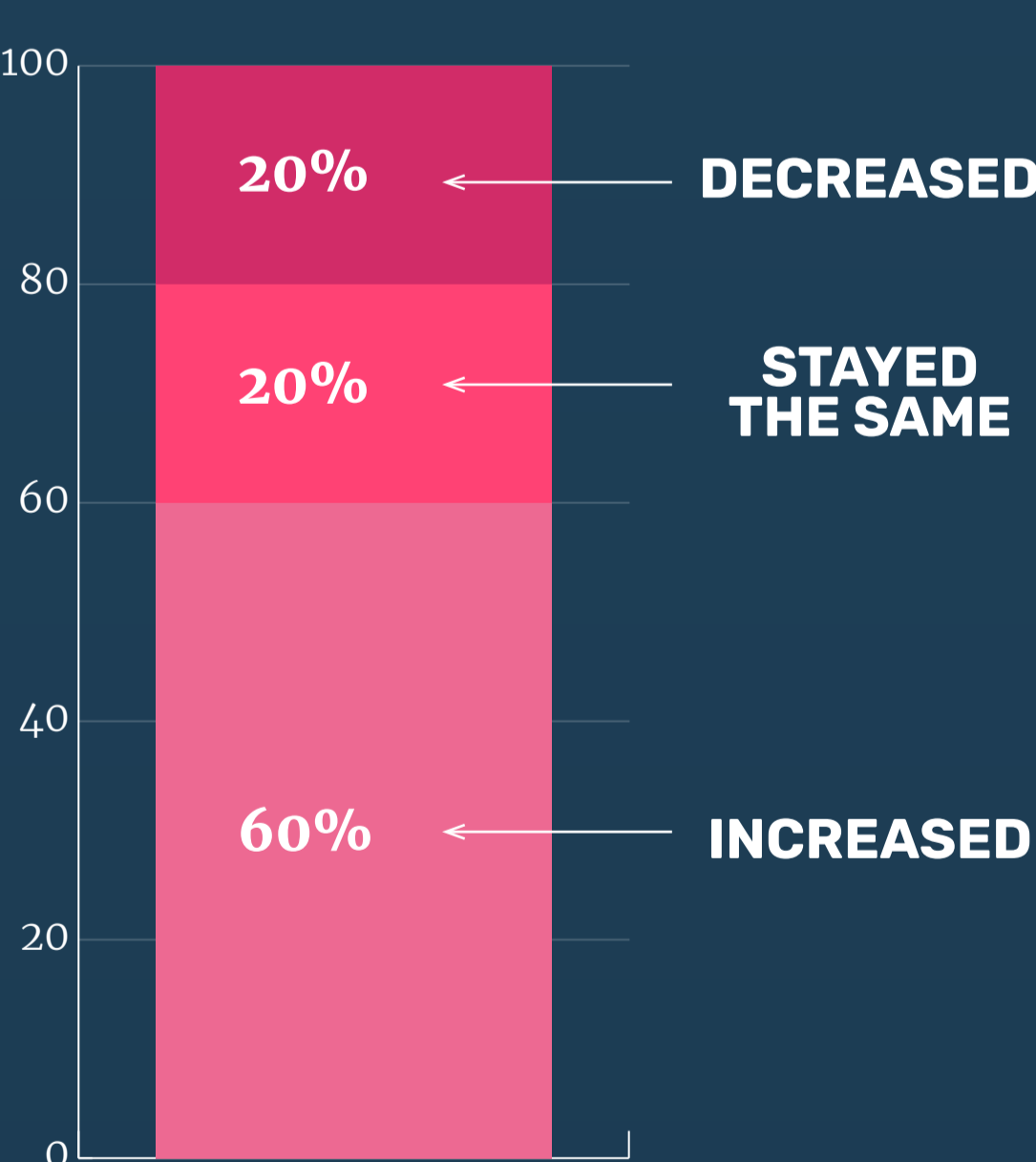
N/A



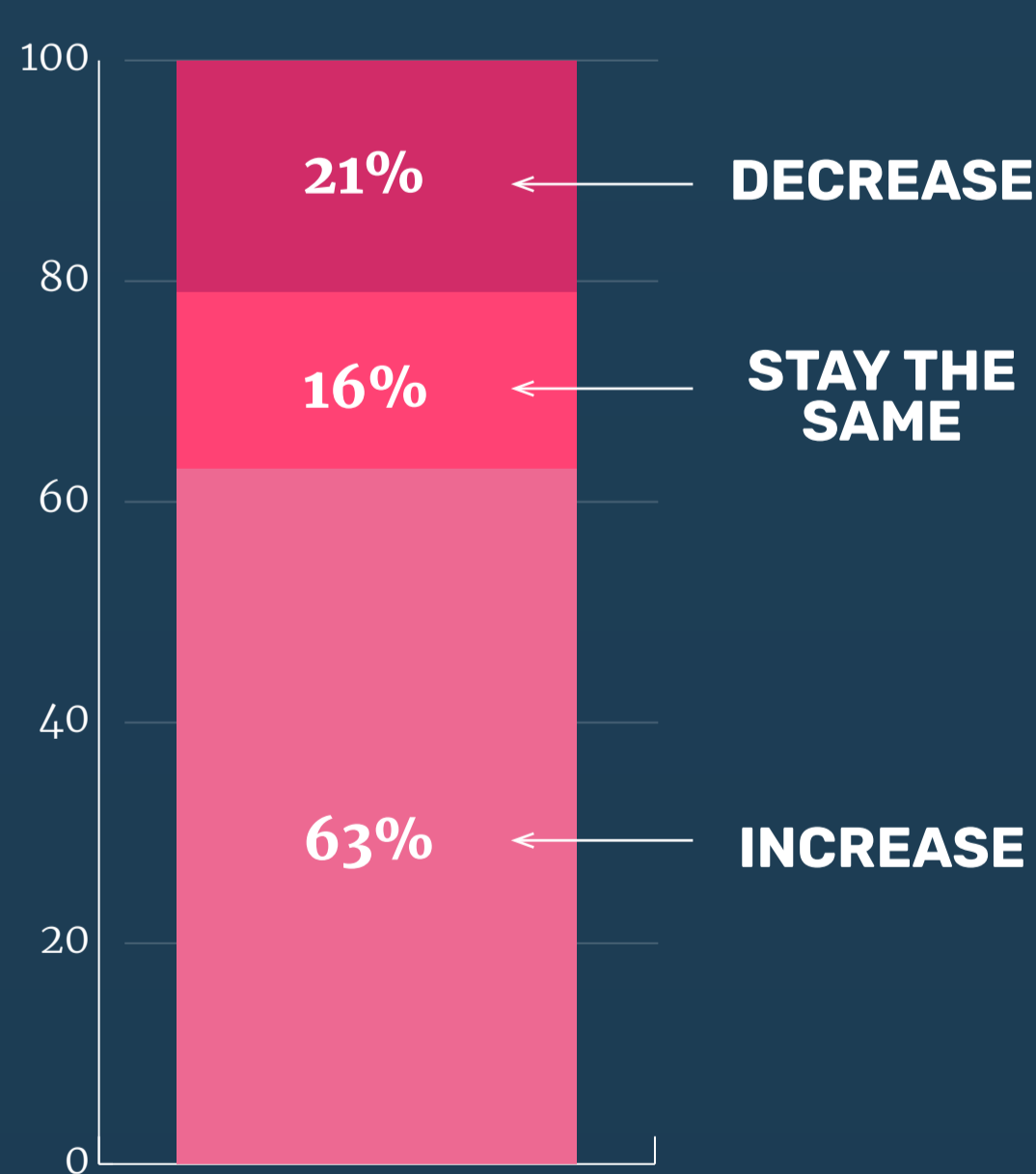
Other

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:

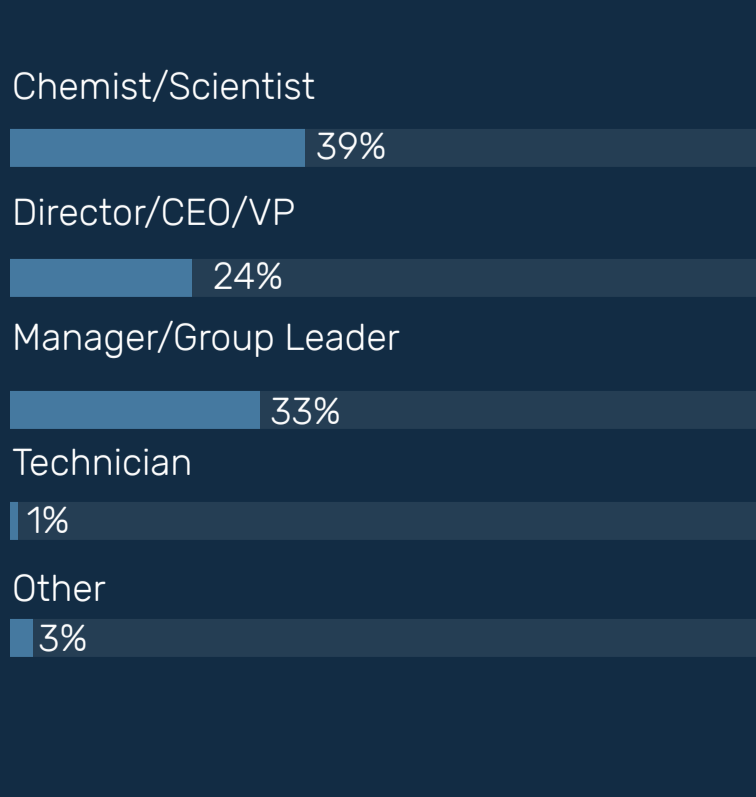


Demographic of respondents

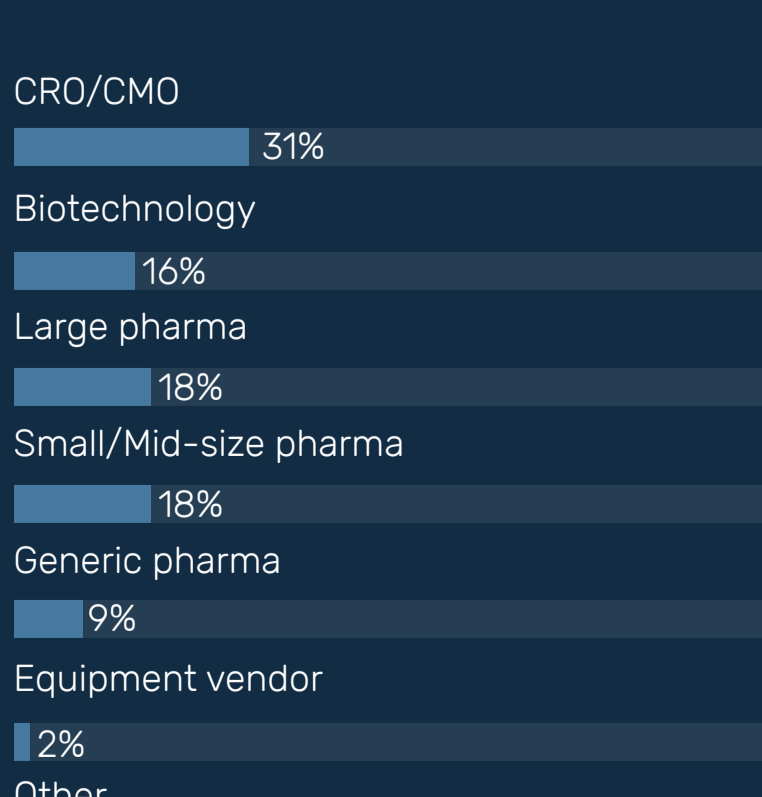
Location



Job title



Organization



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