Achieve Intelligence

2018 Clinical Data Landscape Survey
The Survey

1 Online Survey
5 Key Questions
7 Functional Areas
11 Top25 BioPharma Companies
The 5 key questions being answered to provide insight into the following areas:

- **Function Size Indication** (User accounts by function)
- **Business-as-Usual Effort** (No. of User Types by function)
- **Technical Diversity** (Software used for each function)
- **Transformational Effort** (Heat map of project landscapes)
- **Vision State Solution Type** (COTS vs bespoke effort)
Data Value Chain

Data Capture → Data Query Generation → Data Query Management → Data Transformation & Compliance → Statistical Analysis → TFL Production → Data Visualization
User Type

**ADMIN**
A user who has privileges, which include modifying access privileges for other users and changing user roles

**PRODUCER**
A user who codes or adapts the system for another persons use

**CONSUMER**
A user who operates the system to achieve its desired purpose
Function Size (User Accounts)
Industry Effort by Function

![Industry Effort by Function](image)

- **01. DATA CAPTURE**
- **02. DATA QUERY GENERATION**
- **03. DATA QUERY MANAGEMENT**
- **04. DATA TRANSFORMATION &...**
- **05. STATISTICAL ANALYSIS**
- **06. TFL PRODUCTION**
- **07. DATA VISUALIZATION**

Legend:
- **Gray** (Producer(Log))
- **Orange** (Consumer(Log))
Technical Diversity

Data Capture

- Medidata RAVE, 74%
- Oracle RDC, 11%
- INFORM, 7%
- Vendor Systems, 6%
- ClinSpark, 1%
Technical Diversity
Technical Diversity

Data Transformation & Compliance

- Bespoke, 47%
- Informatica+Oracle+CDI, 33%
- Oracle LSH, 1%
- SAS LSAF/DD, 1%
- entimlCE, 17%
Technical Diversity

Statistical Analysis

- SAS, 37%
- R, 30%
- Other, 9%
- Bespoke, 18%
- Python, 4%
- AddPlan, Nonmem, Other, 3%
Transformational Landscape
Transformational Landscape

Data Transformation & Compliance, Statistical Analysis and TFL Production
Transformational Landscape

Data Visualization

System Status

Project Status

1-OK

1-Good

2-Planned

3-No Plan

2-Improve

1-OK
Vision State – Solution Type
Vision State – Solution Type

Data Query Generation

- Commercial Off-The-Shelf (COTS) 45%
- Configured Off-Premise 30%
- Customized 9%
- Not applicable 9%
- Configured On-Premise 15%
- Missing
Vision State – Solution Type
Vision State – Solution Type
Vision State – Solution Type

Statistical Analysis

- Configured Off-Premise: 9%
- Configured On-Premise: 9%
- Commercial Off-The-Shelf (COTS): 18%
- Customized: 27%
- Missing: 36%

Legend:
- Configured Off-Premise
- Configured On-Premise
- Customized
- Missing
- Commercial Off-The-Shelf (COTS)
Vision State – Solution Type

TFL Production

- Configured Off-Premise: 9%
- Customized: 27%
- Commercial Off-The-Shelf (COTS): 18%
- Not applicable: 9%
- Missing: 36%
Vision State – Solution Type

Data Visualization

- Missing: 55%
- Configured Off-Premise: 9%
- Customized: 9%
- Configured On-Premise: 18%
- Infrastructure upgrade in process: 5%
- Infrastructure upgrade in process: 5%

- Missing
- Configured Off-Premise
- Configured On-Premise
- Infrastructure upgrade in process
- Customized
Further detail for participants...
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