

Top Takeaways

from our webinar series addressing key challenges to reaching clinical trial milestones.

Part 2: Clinical Sample Management – How to Avoid Losing a Sample





Agile approaches to clinical sample shipping strategy

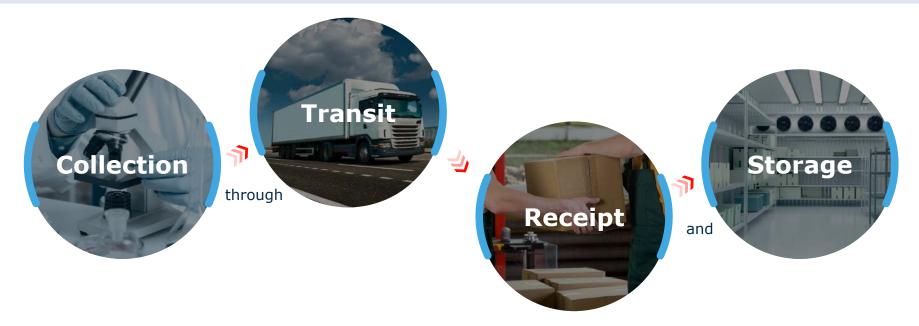
Digital technology options for ensuring a secure chain of custody

Best solutions for maintaining the integrity of clinical samples during storage



Sample Life-Cycle

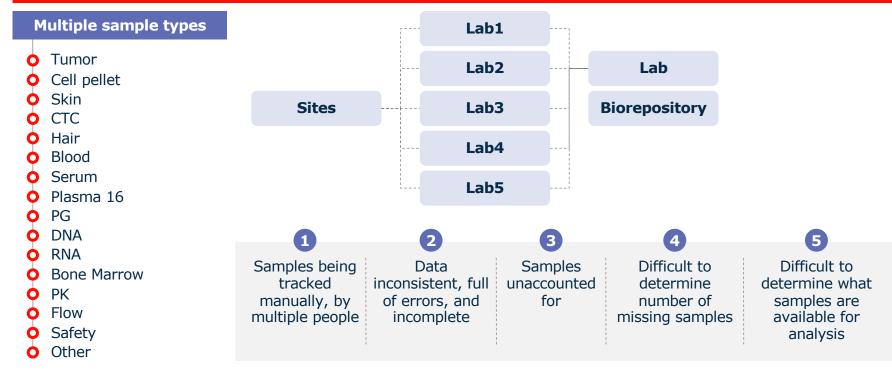
All samples have different journeys from





Sample Life-Cycle – Overall Data and Sample Flows

Complex Study Designs Advanced Therapy, Cell & Gene, and Early Phase Trials





How much more data is collected today for Phase II and Phase III studies compared to 10 years ago?

Answer 3X more data

~20

3.6

Endpoints in Phase II and III trials

263

3X

Procedures per patient

Data points generated on average in Phase III trials Data from 10 years ago

Tufts Center for Drug Development. Rising Protocol Design Complexity Is Driving Rapid Growth in Clinical Trial Data Volume. January/February 2021. Vol. 23 No. 1.

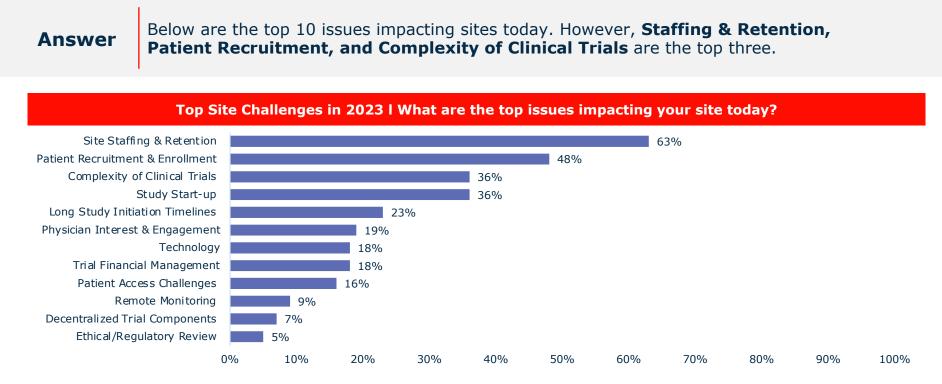


Importance of Sample Chain of Custody – Starting on the Day of Collection





What Are the Top 3 Issues Impacting Sites Today?



Clinical Research Site Challenges Survey Report | © WCG Clinical 2023

Challenges with Gathering Sample Information on Day of Collection



Every site has its own **systems**, **technology**, **methods**, and **workflows**

- Sites are managing **one study** or **hundreds** of **studies**.
- Sites are often working with different laboratory kits/shippers.

Sites are often booking couriers for **multiple shipments across different destinations** and **courier services.**

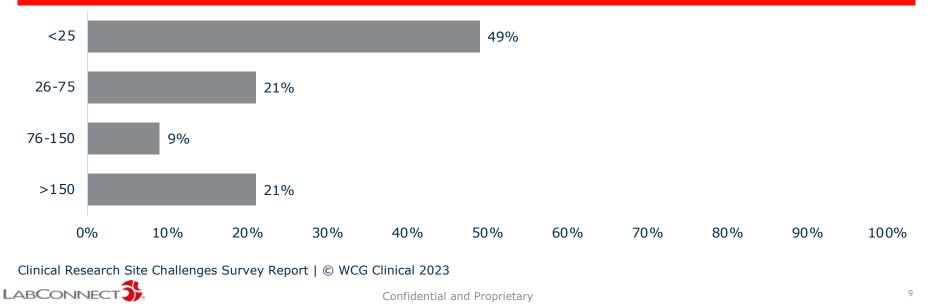
Sites are **BUSY**



Sites Are BUSY

From a Survey of 500 US Sites, 21% Responded as Being Currently Active in >150 Clinical Trials

All Data I Please select the current number of open and enrolling trials at your site

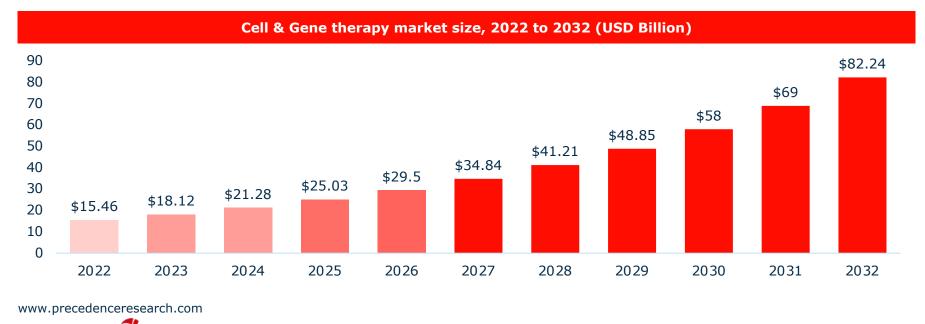


What is the Compounded Annual Growth Rate of Global Cell and Gene Therapy Studies Projected Over the Next 9 Years?

Answer

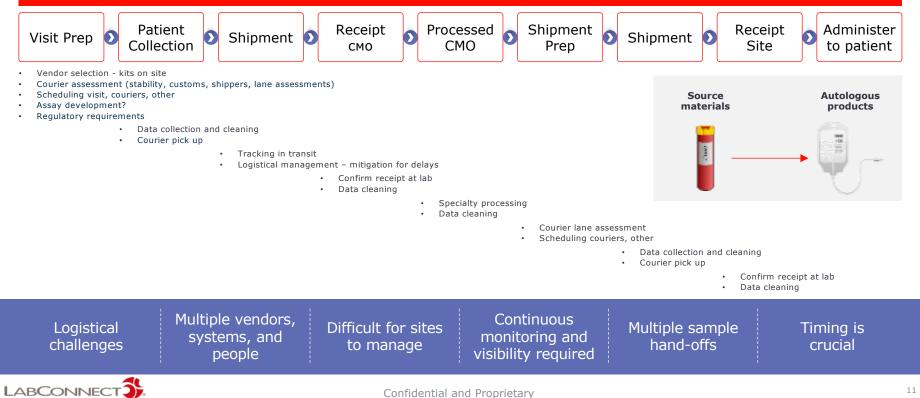
LABCONNEC

The global cell and gene therapy market size was exhibited at USD 15.46 billion in 2022 and is projected to hit around USD 82.24 billion by 2032, growing at a CAGR of 18.3% during the forecast period from 2023 to 2032



Sample Life-Cycle – Overall Data and Sample Flows

Advanced Therapy Trials - Example Tracking Flow Source Material and Product Tracking



Solutions – Site Centric Technology

Provide sitecentric day of collection and shipment options. Let the site choose. No single solution is 100%

Courier and lab/Storage integration options

Ease of use is the key to compliance in obtaining day-of-collection data (Collection and Shipment)



Courier Integration

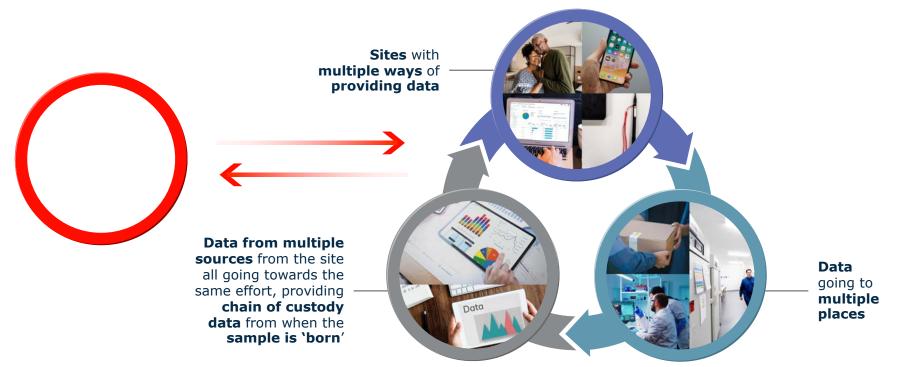


Lab/Biorepository Data Integration



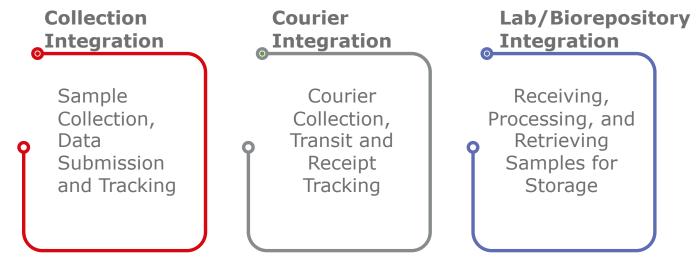
Solutions – Chain of Custody Data

Acceleration through coordination





Planning and preparing for the unexpected from collection through transit to storage.







Thank You!

Confidential and Proprietary

15
