XCELLERATE
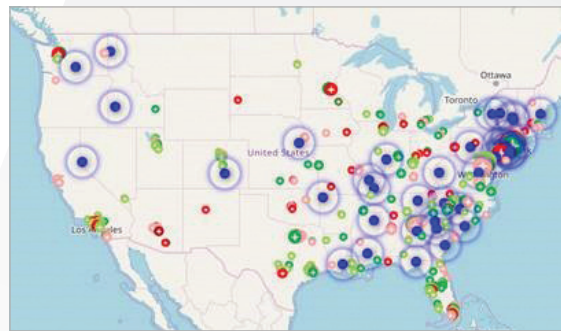
Spatial Cluster Analysis

The award-winning Xcellerate® Spatial Cluster Analysis guides the selection of sites based on location of eligible patient clusters to improve study planning and accelerate patient enrollment.
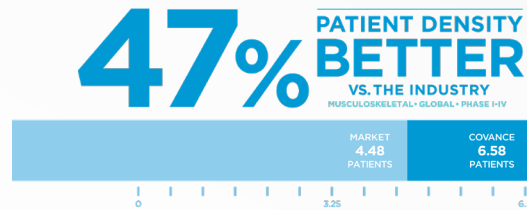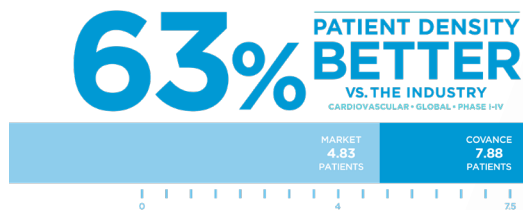
Xcellerate Spatial Cluster Analysis matches de-identified patient clusters who meet study eligibility criteria with historically high-performing sites to create higher probability of meeting recruitment milestones.

Overview

Xcellerate Spatial Cluster Analysis improves site selection and optimizes clinical trial design. It harnesses the collective power of our unique-to-the-industry proprietary investigator recruitment performance analysis derived from data on more than 50% of all global studies and real-world diagnostic data sets, including 30 billion+ test results from over 50% of the U.S. population. It allows us to examine the impact of inclusion and exclusion criteria on the available patient pool to inform site selection. Xcellerate Spatial Cluster Analysis can also identify additional locations where eligible patient densities exist but are a long distance from known investigators, allowing for focused investigator expansion activities.

Spatial cluster analysis is a customized statistical methodology that identifies the intersection between patient clusters and the most productive sites.

63% PATIENT DENSITY **BETTER** VS. THE INDUSTRY
CARDIOVASCULAR • GLOBAL • PHASE I–IV

MARKET 4.83 PATIENTS	COVANCE 7.88 PATIENTS

0   4   7.5

47% PATIENT DENSITY **BETTER** VS. THE INDUSTRY
MUSCULOSKELETAL • GLOBAL • PHASE I–IV

MARKET 4.48 PATIENTS	COVANCE 6.58 PATIENTS

0   3.25   6.5

Benefits of Xcellerate Spatial Cluster Analysis:

▶ **Predictive:** leverages historical investigator recruitment performance data and real-world diagnostic data

▶ **Effective:** identifies high-quality, highly experienced and high-performing research sites near patient densities

▶ **Efficient:** drives actionable insights to optimize site/country configuration for a specific study or program

Learn more about our clinical data and technology solutions at
www.covance.com/Xcellerate

www.covance.com

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