

CLINICAL TRIAL INNOVATION

Learn how you can reduce the cost and complexity of your next clinical trial with PINC AI™ Applied Sciences

IMPACTS OF COMMON CLINICAL TRIAL CHALLENGES

Clinical trials often have extensive time and cost implications, and securing representation across all demographics and medical conditions poses yet another challenge.



TIME

80%

OF U.S. CLINICAL TRIALS FAIL TO MEET TARGETED RECRUITMENT TIMELINES¹

~90 MONTHS

TO COMPLETE CLINICAL PHASE TRIALS²



~\$2.6B

FOR NEW DRUGS/BIOLOGICS



COST

TO BRING A NEW

DRUG TO MARKET³, FACTORING IN 14% SUCCESS RATE

COST OF TRIAL DELAYS FOR SPONSORS⁴

POOR SITE SELECTION INCREASES TRIAL COSTS BY



DIVERSITY

BLACK AMERICANS SEVERELY UNDER-REPRESENTED

5% VS. 15% 7% VS. 8% LATINX

\$600K-\$8M

20%



SLIGHTLY UNDER-REPRESENTED

>5% OF U.S. ADULTS WITH

CANCER TAKE PART IN CLINICAL TRIALS²

NEED FOR AI



COMPLEXITY

INCREASINGLY COMPLEX TRIALS, MIXED WITH SPECIFIC INCLUSION/ **EXCLUSION** CRITERIA, CREATE ENROLLMENT & ELIGIBILITY CHALLENGES.

OFTEN RELY ON THIRD PARTY DATA TO GAIN **ACCESS TO** NEW, DIVERSE PATIENT POOLS

RESEARCHERS

CAPABILITIES TO **IDENTIFY PATIENTS** & ENHANCE RESEARCH CAPABILITIES REQUIRING INCREASED COOPERATION **BETWEEN IT AND** RESEARCH **DEPARTMENTS**

The integration of Real-world Evidence can improve the efficacy, the generalizability and the relevance of clinical research.

HOW REAL-WORLD EVIDENCE IMPACTS CLINICAL TRIALS



IMPROVED TRIAL DESIGN

IMPROVE INSIGHTS ON STUDY PATIENT CHARACTERISTICS, TREATMENT PATTERNS AND OUTCOMES



RECRUITMENT IDENTIFY SITES WITH

HIGH VOLUMES OF PATIENTS TO ENGAGE FOR TRIAL ENROLLMENT, ESSENTIALLY "FLIPPING THE FUNNEL" TO FIND THE PATIENTS FIRST



TRIALS UTILIZE SYNTHETIC

PRAGMATIC

CONTROL ARMS TO MONITOR THE SAFETY AND EFFICACY OF THE INTERVENTIONS

How can Al and machine learning help improve the clinical trial process?

A GLIMPSE INTO THE FUTURE

CLINITHINK, NATURAL LANGUAGE PROCESSING (NLP) PROVIDES: MORE EFFICIENT TRIAL

IN PARTNERSHIP WITH

RECRUITMENT MORE PRECISE PATIENT

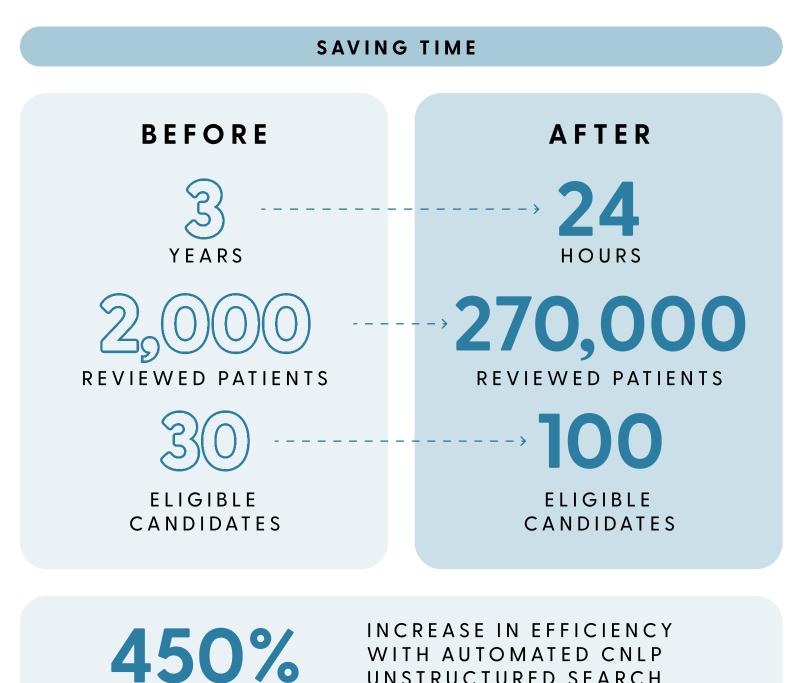
POTENTIAL TRIAL QUALIFICATIONS

IDENTIFICATION

AI ALERTS FOR

REGULATORY

REAL RESULTS



TRIAL SITE WORKLOAD REDUCED BY MORE THAN 90%

WITH AUTOMATED CNLP

UNSTRUCTURED SEARCH

AGILE END-TO-END SOLUTIONS

of clinical trials – from planning to submissions support and publications.

Partnering with PINC AI™ Applied Sciences can help ease the burden and complexity

6677 PROTOCOL MODELING AND FEASIBILITY



There is no reason for a study to fail due to the

way the protocol is written if you get input from the health system. Myla Maloney, Chief Growth Officer, PINC AI™ Applied Sciences

lot more publications, and a lot more good

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just by having access to the data. MarieElena Cordisco, Associate Vice President, Clinical Trials, Research and Innovation, Nuvance Health

We can end up with a

research questions

lot more information, a

OVERCOMING CHALLENGES AND MAXIMIZING PARTICIPATION Partner with PINC AI™ Applied Sciences to optimize your next clinical trial, tackling improved patient outcomes, faster.

 Expertly assess qualitative study feasibility. CONTINUOUS INNOVATION Leverage Al and NLP to identify patients and overcome enrollment barriers.

HARNESS THE POWER OF PINC AI™ APPLIED

UNMATCHED HEALTH SYSTEM ENGAGEMENT

• Refine study designs and early protocol feedback.

SCIENCES CLINICAL TRIAL SOLUTIONS THROUGH:

Enhance recruitment from data visibility and "flip the funnel" approach.

• Generate streamlined patient lists for study sites. UNRIVALED PATIENT INSIGHTS

 Access unique data for creating external control arms. Match clinical trial patients to PINC AI™ data for comprehensive patient tracking.

ACCELERATING INNOVATION:

• Empower providers with point-of-care clinical decision support for early patient enrollment.

COMPRESS STUDY TIMELINES

SITE SELECTION, PROTOCOL OPTIMIZATION

AND PROTOCOL DEVELOPMENT

INTRODUCE NEW CARE OPTIONS

AVOID LOST REVENUES AND INCREASE SPEED TO COMMERCIALISM

IMPROVE FEASIBILITY TO ELIMINATE COSTLY AMENDMENTS AND



ENGAGE WITH TECHNICAL EXPERT PANELS TO ENSURE THE MOST ACCURATE PROTOCOLS EARLY

IMPROVE BOTH PHYSICIAN AND PATIENT ENGAGEMENT

INCREASE DIVERSE PATIENT CATCHMENT AND ENROLLMENT

ENGAGE WITH A WIDER CARE NETWORK IN THE COMMUNITY

SETTING, IDENTIFY PATIENTS IN COMPLETE THERAPEUTIC AREAS



CASE STUDY: PROVEN RECRUITMENT SUCCESSES

DATA VISIBILITY

RESULTED IN



AFTER TAKING

OVER AS CRO.

PREMIER SITES WERE THE STUDY'S TOP ENROLLERS.

ENROLLING 3X **EXPECTED PATIENT** VOLUMES, CUTTING ACTIVE STUDY TIME SAVING SIGNIFICANT



REQUIRED IN THE DEFINED RECRUITMENT PERIOD ALLOWING SHORTER STUDY LENGTH AND MONEY. COST SAVINGS.

Dr. Yosef Khan,

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DCTs are a novel spin on trial design and trial conduct. I think by reducing the need for in-person visits and streamlining the clinical trial process, this can certainly improve efficiency and accuracy of trials.

Principal, Clinical Trials and Real World Evidence, PINC AI™ Applied Sciences

Contact us to learn more about how

LEARN MORE

PINC AI™ Applied Sciences can help streamline your next clinical trial.

LEVERAGED DATA AND

RELATIONSHIPS

TO ENROLL 50%

MORE SITES THAN

1 "PATIENT RECRUITMENT AND RETENTIONSERVICES MARKET (2ND EDITION) 2021-2030: INDUSTRY ANALYSIS: MARKET SIZE: 2030" ROOTS ANALYSIS, MARCH 02,2021; 2 PASSUT, CHARLIE. "TREND OF LONGER TRIAL TIMELINES IS LIKELY TO CONTINUE," CENTERWATCH RSS, CENTERWATCH, 5 OCT. 2020;

3 HTTPS://MEDCITYNEWS.COM/2020/10/USE-VIRTUAL-VISITS-TO-ENHANCE-THE-PATIENT-CENTRICITY-OF-CLINICAL-TRIALS/;

5 MISETA E. BRING DOWN THE COST OF CLINICAL TRIALS WITH IMPROVED SITE SELECTION. CLINICAL LEADER. DECEMBER 19, 2013

4 CUTTING EDGE INFORMATION (PRESS RELEASE). 2005. CLINICAL TRIAL DELAYS COST PHARMACEUTICAL COMPANIES;