



Tufts Center for the Study of Drug Development

TUFTS CSDD INSIDER

MAY 2021

From the Director



Dear CSDD Friends:

The incredible speed in which COVID-19 vaccines and treatments moved through clinical trials has elevated an already high interest among sponsor companies in compressing cycle times.

Until recently, cycle time acceleration strategies primarily focused on tasks and timelines *within* clinical phases. Lately, more attention has focused on addressing the inefficiencies that occur *between* phases when clinical data and operations transition from one research phase to the next. These transitions - also referred to as 'White Space' — appear to be ideal targets for information technology, open collaboration, augmented analytics and machine learning.

A recent Tufts CSDD analysis found that these white space transitions are not only common, they are also time-intensive and growing. For all non-expedited development programs approved between 2008 and 2018, 82% had between-phase transitions that lasted 17 months on average. One-out-of-six (18%) programs had no white space as phase II completion and phase III pivotal trial timelines overlapped. Between 2008 to 2013, the mean white space duration was 12 months. In the more recent period between 2014 and 2018, phase transition durations have nearly doubled to 21.6 months on average.

Data for our white space analysis was drawn from databases that Tufts CSDD routinely maintains and updates. We frequently leverage our proprietary data for benchmarking and trend analyses. Our data is also being used in studies modeling the financial return-on-investment (ROI) of new practices and solutions impacting clinical trial operations and drug development performance. Please contact us to learn more about our expected net present value (eNPV) modeling and ROI assessment expertise.

This past month, we have been very active preparing manuscripts and presenting our study findings at conferences and meetings. Tufts CSDD also kicked-off a study looking at how sponsor companies adopt innovations supporting clinical development planning, design, execution, data management and logistics. We've had an excellent response from companies wishing to participate. Please let me know if you would like to join this important and timely study.

In addition to our monthly *Insider*, please check our newly upgraded website for Center announcements, activity updates, and listings of professional development courses. And, as always we welcome your ideas, feedback and collaboration.

A handwritten signature in black ink, appearing to read 'Ken', written in a cursive style.

Kenneth Getz

Roundtables

Join us on May 17 for a virtual roundtable on ICH E6 R2.

Drug development professionals and regulators will come together to discuss evolving ICH E6 R2 implementation challenges and explore ways to accommodate changing clinical research operating models - some facilitated by the pandemic. Space is limited to promote highly active and engaged roundtable discussion. For more information, [contact Sundé Daniels](#).



Working Group Studies

New Working Group Study Assessing Impact of DCTs on Sponsor-CRO Collaborations

In late May/early June 2021, we will be launching a new study characterizing and benchmarking the impact of decentralized clinical trial (DCT) and data management models on sponsor-CRO relationship structure, economics and effectiveness. Sponsor companies and CROs will participate in systematically assessing how collaborations have changed in response to the pandemic and will continue to evolve long-term. [Contact us for more information](#).



Working Group Study Launched to Characterize and Improve the Innovation Adoption Process

Tufts CSDD has initiated a new working group study looking at how sponsor companies adopt innovations supporting drug development planning, design, execution, data management and logistics. The study will characterize best practices including those associated with pandemic response; apply lessons learned from other heavily regulated industries; and identify opportunities to accelerate innovation adoption. [Contact us for more information](#).

Global Surveys

Participate in the Tufts CSDD Global Study on Investigative Site Diversity

Tufts CSDD is conducting an ambitious, first-of-its-kind global study mapping and examining the demographic diversity of the global investigative site landscape. The goal of the study is to inform new strategies and practices that will enable sponsors and CROs to more successfully partner with investigative sites. We encourage site professionals to participate. [Complete the CSDD Survey.](#)



Professional Development Courses

Grab 'n Go

Enhancing Productivity and Performance of Remote or Distributed Teams

Online course

May 12 | 12 - 4pm EST

CSDD



Robert Franco, PhD
Course Facilitator President,
Coe Point Associates LLC



Chandresh Harjivan, PharmD
Lead, Public Health Sector Practice,
Boston Consulting Group

May 12, 2021

Grab n' Go course: Enhancing Productivity and Performance of Remote or Distributed Teams (Online)

Designed for professionals with very tight schedules, this half-day program focuses on critical leadership skills and management practice development. All Grab n' Go courses combine lecture and small group discussion to generate actionable ideas and insights that can be put into practice immediately. Class sizes are limited. For more information, [contact Sundé Daniels](#).

2021 Summer Leadership for Drug Development Professionals

**COURSE DATES:
JUNE 9, 16, 23, 30**



Robert Franco, PhD
Course Facilitator President,
Coe Point Associates LLC



Kenneth Kaitin, PhD
Professor of Medicine and
Senior Fellow, Tufts CSDD

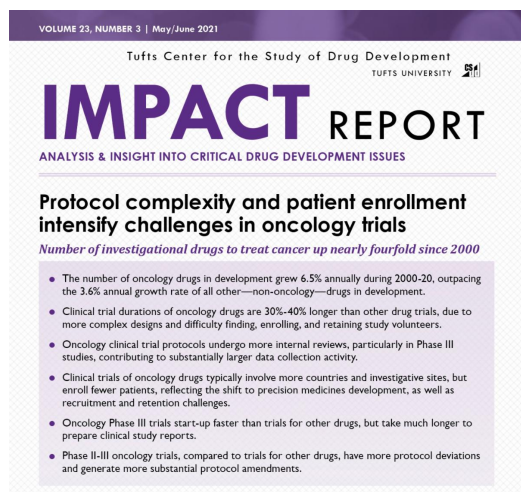
June 9, 16, 23 & 30, 2021

Summer Leadership for Drug Development Teams (Online)

This more in-depth course is designed to build leadership skills, improve cross-functional performance and enhance R&D productivity. Delegates meet online in large and small groups over the course of four weeks beginning in early June. For more information, [contact Sundé Daniels](#).

Research Highlights

Our Latest *Impact Report*



Protocol Complexity and Patient Enrollment Intensify Challenges in Oncology Trials

Our May/June 2021 Tufts CSDD Impact Report presents new research examining and benchmarking the unique executional challenges associated with cancer clinical trials.

[Learn more](#) | [Purchase online](#)

Coming in July:

New Trends Characterizing the Global Biotechnology Landscape

Order your copy today!



Recent Publications

Getz K. **Characterizing White Space in the Quest to Drive Development Speed.** *Applied Clinical Trials*, 2021; April 7. [Access article](#)

Florez M, and Getz K. **Anticipating digital transformation of the drug development workforce.** *Pharmaceutical Executive*, March 26. [Access article](#)

Getz K. **Public Trust and the 'Last Mile' for COVID-19 Vaccines.** *Applied Clinical Trials* 2020; 29 (12): 11 – 12. [Access article](#)

Gottlieb, N, Byrne, J, Getz, K. **Investigative Site Placement Practices to Support Operation Warp Speed.** *Applied Clinical Trials* 2020; 29 (12): 26-28. [Access article](#)

Raj Indupuri, Sheila Rocchio, Kenneth A. Getz, Beth Harper, Michael Wilkinson. **Enabling Digital Transformation: Managing External Clinical Data Sources to Advance Drug Development.** *Applied Clinical Trials* 2020; November 13. [Access article](#)

Stephen LeBreton, Mary Jo Lamberti, Adam Dion, Kenneth A. Getz. **COVID-19 and Its Impact on the Future of Clinical Trial Execution.** *Applied Clinical Trials* 2020; October 22. [Access article](#)

Galson S, Austin C, Khandekar E, Hudson L, DiMasi J, Califf R, Wagner J. **The Failure to Fail Smartly.** *Nature Reviews Drug Discovery* 2020; September 23. Published online: [Access article](#)

Harper B, Wilkinson M, Indupuri R, Rocchio S, Getz, K. **Evolving Clinical Data Strategies and Tactics in Response to Digital Transformation.** *Ther Innov Regul Sci* 2020; September 14. [Access article](#)

DiMasi, J.A. **Research and Development Costs of New Drugs [Letter to the Editor].** *JAMA* 2020; 324(5):517. [Access article](#)

Data Insights Digest

Quantifying Diversity in Clinical Trials

Participant race and ethnicity in pivotal trials for NDAs and BLAs approved between 2007 and 2017

Actual Proportion

Expected Proportion (based on disease prevalence)

Black and African Descent	5.4%	15.6%
Hispanic/Latinx	7.2%	8.2%
White	75.9%	67.1%
Asian	8.6%	3.5%
Other (e.g., indigenous communities)	3.0%	5.5%

- Based on the prevalence of diseases targeted by approved drugs and biologics, communities of several races and ethnicities were highly under-represented compared to the actual proportions enrolled
- Participants of Black/African Descent showed the highest disparity; nearly three times as many participants should have been enrolled in pivotal trials of approved drugs and biologics

Subscribe today to get your copy of the [Tufts CSDD Impact Report](#).

Faculty and Staff Presentations

Recent Presentations

Accelerating Drug Development During the Pandemic - Lessons Learned and Their Implications

Ken Getz, MBA

SCOPE Virtual Summit for Clinical Ops Executives

Online | March 2



Anticipating Changes in Clinical Trial Design and Execution Post Pandemic

Ken Getz, MBA

Clinical Development and Innovation Forum 2021

Online | March 9

Clinical Development and Innovation Forum 2021
临床开发与创新合作论坛2021

New Benchmarks on Protocol Design Practices and Their Impact on Clinical Trial Performance and Efficiency

Michael Wilkinson, MPH, Zak Smith, MS, Ken Getz MBA

MCC Study Quality Trailblazer Group Meeting

Online | March 10



New Strategies to Balance Protocol Complexity, Customization and Executional Feasibility

Ken Getz, MBA

Reuters Pharma: Clinical 2021

Online | April 7



Taking Patient Centricity to the Next Level

Ken Getz, MBA

Patients as Partners

Online | April 9



Rapid Innovation in Clinical Research

Ken Getz, MBA

Avoca Quality Consortium

Online | April 20



Trends in the Development & Approval of New Anti-infectives: Cycle Times, Success Rates & Expedited Regulatory Pathways

Joseph A. DiMasi, PhD

Anti-Infectives Drug Development

Online | April 21



Examining Strategic Implications of Pandemic Response on the Global Investigative Site Landscape

Ken Getz, MBA

SCRS EU Summit

Online | April 22



Upcoming Presentations

Characterizing the Future of Clinical Trials

Ken Getz, MBA

Portland Clinical Research Professionals

Northwest Association for Biomedical Research

Online | May 5



Powered by the Pandemic: How Pharma has Succeeded and How it Will Continue to Embrace Operational Changes Facilitated by COVID-19

Ken Getz, MBA

RBQM Live

Online | May 20



The Evolving State of Clinical Trial Execution: Pilots or Permanent Change?

Ken Getz, MBA

ACRP Annual Meeting

Online | May 20



Drug Development Pain Points and Challenges

Ken Getz, MBA

BIO NJ Clinical Development Briefing

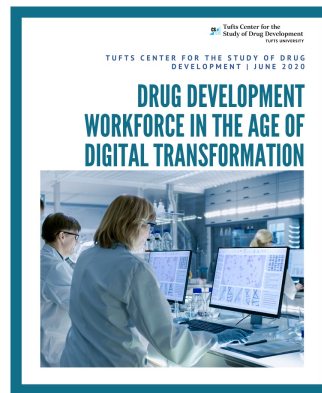
Online | May 27



Subscriptions, Papers and Books



Purchase Impact Reports



Download White Paper

Become a Corporate Sponsor or donate to support our critical mission of providing data-driven analysis and strategic insight to improve the efficiency and productivity of pharmaceutical development.

About Tufts CSDD

Support Tufts CSDD

Tufts Center for the Study of Drug Development
75 Kneeland Street, Suite 1110
Boston, MA 02111
617-636-2170

