

Translating Neuroscience Research Advances into Equitable Care and Improved Health: The Essential Role of Implementation Science

July 9

Tuesday, 12:30 pm

Billings Building—Rosedale Room

SPEAKER:



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Abstract

Over two decades ago, the Clinical Research Roundtable established by the National Academy of Medicine identified two major “bottlenecks” slowing—and sometimes halting—the translation of biomedical research knowledge into the goal of widespread changes in care delivery across populations and resultant equitable improvements in health outcomes. Since that time, neuroscience research has yielded numerous advances across a broad range of neurological conditions; however, implementation science research to generate knowledge to address delays in translation of these advances into routine care has been substantially more limited. Factors continuing to limit the successful uptake of new therapies and diagnostic tools so that they yield improved population health, as well as models for framing implementation science research and the critical importance of mixed-method approaches, will be discussed, with examples from neurology.



From: **Central Challenges Facing the National Clinical Research Enterprise**

JAMA. 2003;289(10):1278-1287. doi:10.1001/jama.289.10.1278

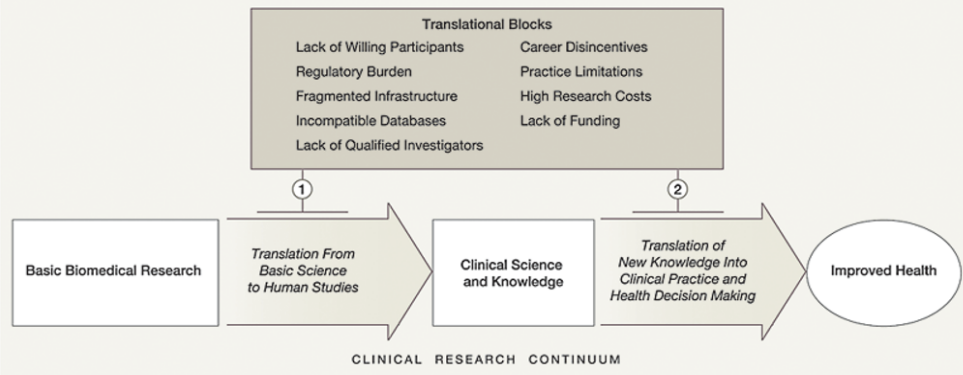


Figure Legend:

The 2 Translational Blocks in the Clinical Research Continuum

Publications

1. Connor KI, Cheng EM, Barry F, Siebens HC, Lee ML, Ganz DA, Mittman BS, Connor MK, Edwards LK, McGowan MG, Vickrey BG. *Randomized trial of care management to improve Parkinson's Disease care quality.* Neurology 2019 Apr 16;92(16):e1831-e1842. doi: 10.1212/WNL.0000000000007324. Epub 2019 Mar 22. PMID: 30902908. PMCID: PMC6550506
2. Ramirez M, Wu S, Ryan G, Towfighi A, Vickrey BG. *Using beta-version mobile health technology for team-based care management to support stroke prevention: A qualitative analysis.* JMIR Research Protocols. 2017;6(5):e94. doi: 10.2196/resprot.7106. PMID: 28536094 PMCID: PMC5461415
3. Brown AF, Vassar SD, Connor KI, Vickrey BG. *Collaborative care management reduces disparities in dementia care quality for caregivers with less education.* J Am Geriatr Soc. 2013;61:243-51. PMCID: PMC3772791.

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