Scoping review protocol:


Title: Developmental phases of translational teams

Introduction: Development phases that translational teams master from preclinical to clinical development are not well understood. A review to identify existing and appropriate phases is needed.

Definitions

- Translational Team (TT) - an interdisciplinary team that seeks to improve human health by developing a device, intervention, drug, diagnostic for sustainable adoption and use.
- Competencies: knowledge, skills and attitudes demonstrated by a team.
- Team-emergent competencies: KSAs arising from team interactions.
- Performance-advancement across the translational research spectrum.
- Affect-a domain describing that the bonds between TT members are grounded in a concern, empathy and shared regard for others.
- Communication- a KSA where team members effectively exchanges information and integrates team member expertise to solve research problems.
- Management - actions that effectively organize and sustain components of multicomponent investigation.
- Collaborative problem solving- refers to situation where cognitive and social skills of the TT are used to integrate research findings and discipline-grounded interpretations into a cohesive model.
- Leadership- the process providing or supporting the cognitive, resource and affective needs for a TT.
- Development- discrete and identifiable states of a TT

Details of preliminary work/searches-

1. Kara L. Hall, PhD, Amanda L Vogel, PhD, MHS, Brooke A Stipelman, PhD, Daniel Stokols, PhD, Glen Morgan, PhD, Sarah Gehlert, PhD, A four-phase model of transdisciplinary team-based research: goals, team processes, and strategies, Translational Behavioral Medicine, Volume 2, Issue 4, December 2012, Pages 415–430, https://doi.org/10.1007/s13142-012-0167-y.

This paper is an essay drawing from the authors experiences that include perspectives in team science, psychology and organizational theory. 67 primary and review papers are cited. Search strategy is not described.

Overall review objective- Identify what specific behaviors or skills in these competency domains most directly impact TT performance?

Search strategy used for this review:

Databases Searches

Scopus

64 Results

((TITLE-ABS-KEY(Transdisciplin* OR trans-disciplin* OR cross-disciplin* OR team-science OR team-based-research)) AND (TITLE(group-development OR formation OR maturation OR
Backward citation chaining


Eligibility criteria for inclusion into the analysis:

1. Study type: Empiric-observational; Empiric-survey, Meta-analysis, or Expert opinion/panel
2. Analysis or description of developmental phases
3. Team-type relevance: Knowledge-generating, product development, innovation, translational team

Selection and classification of articles. Article abstracts were screened by the primary author (a list of all 78 considered is provided in Supplemental File #2).

Conflict resolution- negotiation among authors

How data will be presented – Papers are cited and summarized in text.