



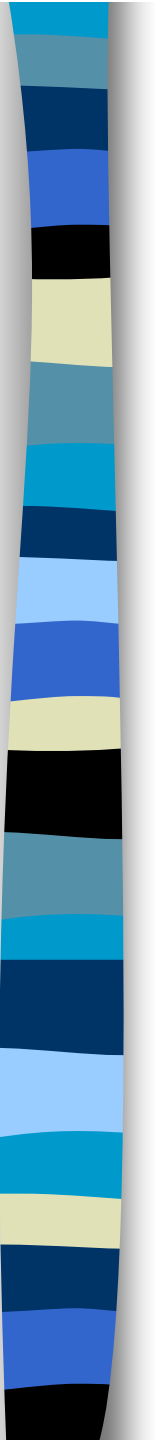
How Does Translational Research on Aging Work?

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- 
- Senior Centers
 - Case Management Agencies
 - Home Care
 - Home Delivered Meals
 - Adult Day Care





	Disagree	Agree
There is not enough time to read research.	27%	73%
I would like to have more time available to read research.	25%	75%
More money should be spent on direct services and less money should be spent on research.	9%	91%



Translational Research

What is it?



Definitional Disarray



Translational Research: Core Definition

The process of applying basic (laboratory/epidemiological/ behavioral) research findings to the development of innovative clinical applications/ interventions.



Example

“Translational research represents the application of advances in basic science knowledge to practice.”



Traditional Translational Research Process

T0, awaiting a bright idea

T1, discovery

S, synthesis with medical knowledge

T2, application to a medical problem

M, movement into the clinic



Expanded Definition

The process of applying basic research findings to the development of innovative clinical applications/ interventions *and applying insights from clinical applications/interventions to basic research*



Example

“Translational research ... is the clinical application of knowledge gained through basic research ... Experiences from the practice setting then influence what occurs in the laboratory.”



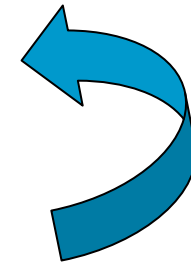
Theory/Basic Research



Intervention Design



Intervention Results





Components of a Translational Research Project

1. Address a significant social problem
2. Clearly articulated theoretical basis
3. Grounded in basic research
4. Carefully constructed intervention
5. Randomized, controlled design
6. Clear dissemination plan



Why Is Translational Research a Good Thing?

- Research base for interventions
- Generates new ways of thinking about solutions to human problems
- Need for rigorous testing of interventions



Bridging the Two Cultures of Research and Practice

- Differences in Orientation
- Differences in Training
- Differences in the Nature of Evidence
- Differences in Time Horizon