

# Translational Science and Translational Research: A Comparison

Translational Research and Translational Science both occur within the milieu of human health sciences, but they differ in fundamental ways relating to their goals and outcomes.

	Translational Research	Translational Science
<b>What are the goals?</b>	To improve human health.	To improve the speed, effectiveness, and efficiency of Translational Research by identify and overcoming common causes of inefficiency and failure in Translational Research.
<b>How are those goals achieved?</b>	By asking research questions which move discoveries forwards along a spectrum of application: <ul style="list-style-type: none"> <li>• T1: Bench to Bedside Phase</li> <li>• T2: Bedside to Practice Phase</li> <li>• T3: Clinical Practice to Widespread Clinical Practice and Care Delivery Phase</li> <li>• T4: Health Care Delivery to Impact on The Community, on Public Health, and Public Policy</li> </ul>	By accomplishing the following: <ul style="list-style-type: none"> <li>• Understanding common causes of inefficiency and failure in Translational Research projects.</li> <li>• Identifying identifies barriers to the advancement of research across the translational spectrum.</li> <li>• Developing a product or approach that overcomes or mitigates that barrier, and is generalizable across multiple diseases/conditions.</li> </ul>
<b>What is its focus?</b>	A specific condition, target, or disease.	The barriers and inefficiencies which prevent Translational Research into specific conditions and diseases.
<b>What are the results?</b>	A health science advancement moves forward on the Translational Research spectrum and impacts practice, policy, and health.	A method of overcoming a problem common to Translational Researchers is identified or developed.
<b>Who is affected by the outcomes?</b>	<ul style="list-style-type: none"> <li>• Researchers interested in the specific target or condition being studied</li> <li>• Patients affected by the specific target or condition and their caregivers</li> <li>• Clinicians and policy makers</li> </ul>	<ul style="list-style-type: none"> <li>• All Translational Researchers, regardless of area of interest</li> <li>• Everyone who enables, facilitates or supports Translational Research, including those involved in science leadership, management, and administration, and patient and community engagement.</li> </ul>