

TSBM Benefits (Indicators) Checklist



Use this checklist to track the **CLINICAL**, **COMMUNITY**, **ECONOMIC**, & **POLICY** benefits of your work.

Many research projects will have clinical and translational research benefits—or indicators—in multiple domains, as noted in the Translational Science Benefits Model (TSBM).

The indicators are specific, observable, and are each at least potentially measurable. Demonstrated benefits are those that have been observed and are verifiable; potential benefits are those logically expected with moderate to high confidence.

For each benefit demonstrated by your project, please choose EITHER demonstrated or potential, and not both.

CLINICAL & MEDICAL BENEFITS

Procedures & Guidelines

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Diagnostic procedures ▶ Methods and techniques performed to diagnose disease, disorders, or conditions. |
| <i>Demonstrated</i> | <i>Potential</i> | Investigative procedures ▶ Research methods used in preclinical, clinical, and other scientific studies. |
| <i>Demonstrated</i> | <i>Potential</i> | Guidelines ▶ Formal recommendations or principles to assist with patient care for specific clinical circumstances. |
| <i>Demonstrated</i> | <i>Potential</i> | Therapeutic procedures ▶ Methods and techniques that pertain to interventions, treatment, or prevention of diseases, disorders, or conditions. |

Tools & Products

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Biological factors & products ▶ Biological substances used to indicate, diagnose, prevent, or treat diseases or medical conditions. |
| <i>Demonstrated</i> | <i>Potential</i> | Biomedical technology ▶ Technological applications for measuring, diagnosing, and treating health conditions, including tools, methods, strategies, and devices. |
| <i>Demonstrated</i> | <i>Potential</i> | Drugs ▶ Pharmaceutical products for human or veterinary use intended to diagnose, treat, cure, or prevent health conditions. |
| <i>Demonstrated</i> | <i>Potential</i> | Equipment & supplies ▶ Apparatus, instruments, and materials for diagnostic, surgical, therapeutic, and scientific procedures. |
| <i>Demonstrated</i> | <i>Potential</i> | Software technologies ▶ Computer programs or software installed on mobile or other electronic devices. |

COMMUNITY & PUBLIC HEALTH BENEFITS

Health Activities & Products

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Community health services ▶ Diagnostic, therapeutic, and preventive health services provided for individuals in a community. |
| <i>Demonstrated</i> | <i>Potential</i> | Consumer software ▶ Digital and mobile technologies used by or for consumers to improve health care delivery and outcomes. |
| <i>Demonstrated</i> | <i>Potential</i> | Health education resources ▶ Educational resources that lead to the improvement of health of individuals, populations, or communities. |

Health Care Characteristics

- | | | |
|---------------------|------------------|--|
| <i>Demonstrated</i> | <i>Potential</i> | Health care accessibility ▶ Increased equity and ability for all to gain entry to and to receive services from the health care system, regardless of race, ethnicity, age, income, ability, sex, gender, sexual orientation, geographic location, or health status. |
| <i>Demonstrated</i> | <i>Potential</i> | Health care delivery ▶ Improved provision and distribution of health services to a patient population. |
| <i>Demonstrated</i> | <i>Potential</i> | Health care quality ▶ Improved general characteristics and quality of the health service or care provided based on accepted standards of quality. |

TSBM Benefits (Indicators) Checklist

Health Promotion

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Disease prevention & reduction ▶ Resources that enhance health promotion and disease prevention in communities or populations. |
| <i>Demonstrated</i> | <i>Potential</i> | Life expectancy & quality of life ▶ Improvement in the average age of death or how often illness and injury impedes everyday life for a particular population. |
| <i>Demonstrated</i> | <i>Potential</i> | Public health practices ▶ Organization or delivery of public health services benefits to communities or populations. |

ECONOMIC BENEFITS



Commercial Products

- | | | |
|---------------------|------------------|--|
| <i>Demonstrated</i> | <i>Potential</i> | License agreements ▶ Governmental permits based on intellectual property. Washington University defines a license as “a contract which awards to a party other than the owner(s) of the intellectual property the right to make, use, sell, or import products or services based on the owner’s intellectual property. Licenses may be awarded on an exclusive or nonexclusive basis and may provide for payment of license fees, milestones, royalties, or other income to the owner(s) of the intellectual property.” |
| <i>Demonstrated</i> | <i>Potential</i> | Non-profit or commercial entities ▶ Creation of businesses or non-profit organizations. |
| <i>Demonstrated</i> | <i>Potential</i> | Patents ▶ Government authority or licenses based on intellectual property. |

Financial Savings & Benefits

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Cost effectiveness ▶ Improvement in the benefits of a program relative to its cost. |
| <i>Demonstrated</i> | <i>Potential</i> | Cost savings ▶ Reduced financial costs of services or goods to providers or consumers. |
| <i>Demonstrated</i> | <i>Potential</i> | Societal & financial cost of illness ▶ Reduced social and economic costs of acute or chronic disease or other health conditions. |

POLICY & LEGISLATIVE BENEFITS



Advisory Activities

- | | | |
|---------------------|------------------|---|
| <i>Demonstrated</i> | <i>Potential</i> | Committee participation ▶ Participation in advisory, standards, or other governmental or nongovernmental committees. |
| <i>Demonstrated</i> | <i>Potential</i> | Expert testimony ▶ Formal presentation of data or results to governmental, judicial or other regulatory bodies. |
| <i>Demonstrated</i> | <i>Potential</i> | Scientific research reports ▶ Research findings or summaries provided to inform policy or regulatory activity. |

Policies & Legislation

- | | | |
|---------------------|------------------|--|
| <i>Demonstrated</i> | <i>Potential</i> | Legislation ▶ Bills, laws, statutes, and ordinances passed through formal legislative bodies such as congress, parliaments, state or provincial legislatures, and county and city councils. |
| <i>Demonstrated</i> | <i>Potential</i> | Policies ▶ Procedural rules formally adopted and mandated by governmental agencies or private or non-profit organizations. |
| <i>Demonstrated</i> | <i>Potential</i> | Standards ▶ Formal designations of levels of quality defined by industry, occupational groups, or governmental bodies. |

