

## Use this tool to:

- Tell your impact story to encourage community members or priority populations to use the benefits you developed
- Provide more detail for other researchers or practitioners interested in using the benefits in their own research or practice
- Report research progress back to study participants

Please refer to a [case study on the TSBM website](#) as you complete this template. The template references the major case study sections: Summary, Significance, and Benefits.

If you'd like us to consider featuring your case study on the [TSBM website](#), just complete this form and email as an attachment, along with any image files or additional materials, to [translationalsciencebenefits@wustl.edu](mailto:translationalsciencebenefits@wustl.edu).

### Case Study Title

Using plain, descriptive language, how would you like us to refer to your project?

### Investigator/Team & Affiliations

### Community Partners (if applicable)

### Research Project Title

**Project Start Date** (mm/dd/yyyy)

**Project End Date** (mm/dd/yyyy)

## SUMMARY

### **Problem Statement** (300-word/2000-character max.)

Describe the problem your research will address. Include who is affected, the size of the problem, what contributes to the problem, and when and where the problem is most likely to occur.

### **Research Project Description** (300-word/2000-character max.)

Provide one or two paragraphs on your approach to help solve the problem. Include an introduction to the investigator/team and how members of the population impacted were included in the research.

## SIGNIFICANCE

### Translational Impact (100-word/650-character max.)

Succinctly describe the overall expected or observed impact of the project. How has it benefited or how will it benefit, the field, community, and/or society as a whole? Who has benefited or will benefit in the future?

### Equity Impact (100-word/650-character max.)

Describe how your research benefits priority populations. How does your research advance health equity?

## CHECKLIST OF TSBM BENEFITS (INDICATORS)

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.

For each indicator you select, please choose EITHER demonstrated (verifiable) or potential (highly likely), but not both.

## CLINICAL & MEDICAL BENEFITS



### Procedures & Guidelines

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

### Tools & Products

<i>Demonstrated</i>	<i>Potential</i>	<b>Biological factors &amp; products</b> ▶ Biological substances used to indicate, diagnose, prevent, or treat diseases or medical conditions.
<i>Demonstrated</i>	<i>Potential</i>	<b>Biomedical technology</b> ▶ Technology applications for solving medical problems.
<i>Demonstrated</i>	<i>Potential</i>	<b>Drugs</b> ▶ Pharmaceutical products for human or veterinary use.
<i>Demonstrated</i>	<i>Potential</i>	<b>Equipment &amp; supplies</b> ▶ Apparatus, instruments, and materials for diagnostic, surgical, therapeutic, and scientific procedures.
<i>Demonstrated</i>	<i>Potential</i>	<b>Software technologies</b> ▶ Computer programs or software installed on mobile or other electronic devices.

### TOOL TIPS▶

- Demonstrated benefits are those that have been observed and are verifiable; potential benefits are those logically expected with moderate to high confidence.
- It is not expected that you have demonstrated or potential benefits in all domains.

## COMMUNITY & PUBLIC HEALTH BENEFITS



### Health Activities & Products

<i>Demonstrated</i>	<i>Potential</i>	<b>Community health services</b> ▶ Diagnostic, therapeutic and preventive health services provided for individuals in the community.
<i>Demonstrated</i>	<i>Potential</i>	<b>Consumer software</b> ▶ Digital and mobile technologies used by or for consumers to improve health care delivery and outcomes.
<i>Demonstrated</i>	<i>Potential</i>	<b>Health education resources</b> ▶ Educational resources that relate to the improvement of health on an individual, population, or community basis.

### Health Care Characteristics

<i>Demonstrated</i>	<i>Potential</i>	<b>Health care accessibility</b> ▶ Equity and ability for all to gain entry to and to receive services from the health care system.
<i>Demonstrated</i>	<i>Potential</i>	<b>Health care delivery</b> ▶ Provision and distribution of health services to a patient population.
<i>Demonstrated</i>	<i>Potential</i>	<b>Health care quality</b> ▶ General characteristics of the health service or care provided based on accepted standards of quality.

### Health Promotion

<i>Demonstrated</i>	<i>Potential</i>	<b>Disease prevention &amp; reduction</b> ▶ Resources that enhance health promotion and disease prevention in communities or populations.
<i>Demonstrated</i>	<i>Potential</i>	<b>Life expectancy &amp; quality of life</b> ▶ Life expectancy or quality of life for communities or populations.
<i>Demonstrated</i>	<i>Potential</i>	<b>Public health practices</b> ▶ Organization or delivery of public health services benefits to communities or populations.

## ECONOMIC BENEFITS



### Commercial Products

<i>Demonstrated</i>	<i>Potential</i>	<b>License agreements</b> ▶ Governmental permits based on intellectual property. Researchers develop new technologies to be used for diagnostic or therapeutic applications with possible commercial use. Examples of applications are vaccines, drug deliveries, medical devices, imaging, software, algorithms, blood and tissue products, cellular and gene therapy, among others. A license allows for exploration of applications for potential human benefit.
<i>Demonstrated</i>	<i>Potential</i>	<b>Non-profit or commercial entities</b> ▶ Creation of businesses or non-profit agencies.
<i>Demonstrated</i>	<i>Potential</i>	<b>Patents</b> ▶ Government authority or licenses based on intellectual property.

### Financial Savings & Benefits

<i>Demonstrated</i>	<i>Potential</i>	<b>Cost effectiveness</b> ▶ Improvement in the benefits of a program relative to its cost.
<i>Demonstrated</i>	<i>Potential</i>	<b>Cost savings</b> ▶ Reduced financial costs of services or goods to providers or consumers.
<i>Demonstrated</i>	<i>Potential</i>	<b>Societal &amp; financial cost of illness</b> ▶ 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>	<b>Committee participation</b> ▶ Participation in advisory, standards, or other governmental or nongovernmental committees.
<i>Demonstrated</i>	<i>Potential</i>	<b>Expert testimony</b> ▶ Presentation of data or results to governmental, judicial, or other regulatory bodies.
<i>Demonstrated</i>	<i>Potential</i>	<b>Scientific research reports</b> ▶ Research findings or summaries provided to inform policy or regulatory activity.

### Policies & Legislation

<i>Demonstrated</i>	<i>Potential</i>	<b>Legislation</b> ▶ Bills, laws, statutes, and ordinances passed through formal legislative bodies such as congress, state legislatures, and county and city councils.
<i>Demonstrated</i>	<i>Potential</i>	<b>Policies</b> ▶ Procedural rules formally adopted and mandated by governmental agencies or private or non-profit organizations. These include what are commonly referred to as big “P” policies (governmental) and little “p” policies (non-governmental organizational).
<i>Demonstrated</i>	<i>Potential</i>	<b>Standards</b> ▶ Formal designations of levels of quality defined by industry, occupational groups, or governmental bodies.

## DESCRIPTION OF BENEFITS

Choose **up to four** of the benefit indicators you have identified that resulted from the research, prioritizing demonstrated benefits. (You may detail additional benefits beyond 4 on a separate sheet.) Not all benefits can be quantified, but benefits (or potential benefits) should be demonstrable and supported by a source or anecdotal evidence. Include references to published literature or other sources (gray literature, website URLs, anecdotal statements, etc.) when possible to support the evidence. See the [TSBM Case Studies](#) for reference.

### BENEFIT #1 (short description)

Benefit (Indicator)

Domain

WHO has experienced or will experience this benefit?

HOW will the benefit positively impact the community or society?

WHEN was the benefit realized or when is it expected to be realized?

WHERE has the benefit occurred or where will it occur? Is the benefit local, national and/or international in scope?

REFERENCES to published literature or other sources to support the indicator

### BENEFIT #2 (short description)

Benefit (Indicator)

Domain

WHO has experienced or will experience this benefit?

HOW will the benefit positively impact the community or society?

WHEN was the benefit realized or when is it expected to be realized?

WHERE has the benefit occurred or where will it occur? Is the benefit local, national and/or international in scope?

REFERENCES to published literature or other sources to support the indicator

### BENEFIT #3 (short description)

Benefit (Indicator)

Domain

WHO has experienced or will experience this benefit?

HOW will the benefit positively impact the community or society?

**WHEN** was the benefit realized or when is it expected to be realized?

**WHERE** has the benefit occurred or where will it occur? Is the benefit local, national and/or international in scope?

**REFERENCES** to published literature or other sources to support the indicator

**BENEFIT #4** (short description)

**Benefit (Indicator)**

**Domain**

**WHO** has experienced or will experience this benefit?

**HOW** will the benefit positively impact the community or society?

**WHEN** was the benefit realized or when is it expected to be realized?

**WHERE** has the benefit occurred or where will it occur? Is the benefit local, national and/or international in scope?

**REFERENCES** to published literature or other sources to support the indicator

### Supplemental References

Include any **ADDITIONAL** references to published literature or other sources (gray literature, website URLs, policy documents, anecdotal statements, etc.) to support the evidence. See the [TSBM Case Studies](#) for reference.

### Images

If possible, please provide two images related to the research study or project, one square-format photo of the research team and one wider rectangular-format photo that is representative of the project as a whole. See case studies on the website for examples. Please ensure that appropriate permission has been obtained if you do not hold the rights to the images.

If you'd like your research to be considered for inclusion as a case study on the [TSBM website](#), email this completed form, with image files or additional materials, to [translationalsciencebenefits@wustl.edu](mailto:translationalsciencebenefits@wustl.edu).

**Date Completed** (mm/dd/yyyy)

Please contact us at [translationalsciencebenefits@wustl.edu](mailto:translationalsciencebenefits@wustl.edu) with any questions about this form or the case study submission process. Thank you!