demonstrate ▶
Case Study Builder

TRANSLATING for IMPACT
A TSBM toolkit to help you **plan**, **track** & **demonstrate** the benefits of your research

PILOT 11/21

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**.
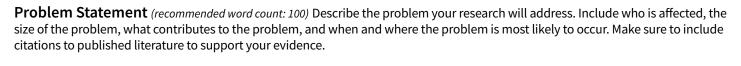
Case Study Title

Using plain, descriptive language, craft a title that captures your key impact (e.g., Using 3D Holograms to Treat Cardiac Arrhythmia)

Research Team

Investigator/team member names & affiliations

Community partner names & affiliations (if applicable)

Primary contact name

Primary contact e-mail

Research Project Title

Project Start Date *(mm/dd/yyyy)*   **Project End Date** (if applicable)

SUMMARY

Problem Statement *(recommended word count: 100)* 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. Make sure to include citations to published literature to support your evidence.

References

Research Project Description *(recommended word count: 100)* 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.

References

SIGNIFICANCE

Translational Impact *(recommended word count: 100)* 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?

References

Equity Impact *(recommended word count: 100)* Describe how your research benefits priority populations. How does your research advance health equity?

References

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.

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.

CLINICAL & MEDICAL BENEFITS

Procedures & guidelines

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

Tools & products

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

COMMUNITY & PUBLIC HEALTH BENEFITS

Health activities & products

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

Health care characteristics

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

Health promotion

Demonstrated	*Potential*	**Disease prevention & reduction**▸ Resources that enhance health promotion and disease prevention in communities or populations.
Demonstrated	*Potential*	**Life expectancy & quality of life**▸ Life expectancy or quality of life for communities or populations.
Demonstrated	*Potential*	**Public health practices**▸ Organization or delivery of public health services benefits to communities or populations.

ECONOMIC BENEFITS

Commercial products

Demonstrated   *Potential*   **License agreements ▸** 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.

Demonstrated   *Potential*   **Non-profit or commercial entities ▸** Creation of businesses or non-profit agencies.

Demonstrated   *Potential*   **Patents ▸** Government authority or licenses based on intellectual property.

Financial savings & benefits

Demonstrated   *Potential*   **Cost effectiveness ▸** Improvement in the benefits of a program relative to its cost.

Demonstrated   *Potential*   **Cost savings ▸** Reduced financial costs of services or goods to providers or consumers.

Demonstrated   *Potential*   **Societal & financial cost of illness ▸** Reduced social and economic costs of acute or chronic disease or other health conditions.

POLICY & LEGISLATIVE BENEFITS

Advisory activities

Demonstrated   *Potential*   **Committee participation ▸** Participation in advisory, standards, or other governmental or nongovernmental committees.

Demonstrated   *Potential*   **Expert testimony ▸** Presentation of data or results to governmental, judicial, or other regulatory bodies.

Demonstrated   *Potential*   **Scientific research reports ▸** Research findings or summaries provided to inform policy or regulatory activity.

Policies & legislation

Demonstrated   *Potential*   **Legislation ▸** Bills, laws, statutes, and ordinances passed through formal legislative bodies such as congress, state legislatures, and county and city councils.

Demonstrated   *Potential*   **Policies ▸** 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).

Demonstrated   *Potential*   **Standards ▸** Formal designations of levels of quality defined by industry, occupational groups, or governmental bodies.

DESCRIPTION OF BENEFITS

In the table on the next page, select up to 7 of the benefit indicators you identified in the checklist in the **Indicator** column of the table. For each benefit, add a brief **Description** and indicate whether the benefit is **Demonstrated** or **Potential**. In one sentence, describe how you have demonstrated the benefit or will demonstrate it in the future.

Quantitative data is not required, but each benefit should be supported by a source or anecdotal evidence. List references to published literature or other sources (gray literature, website URLs, anecdotal statements, etc.) in the Description box. See the **TSBM Case Studies** for reference

TOOL TIP ▸

- The table on the next page includes space for 7 benefits. You do not need to fill all the rows. List only those benefits that are reasonably expected to result from your research. If you need more space, use the Notes field on the last page.
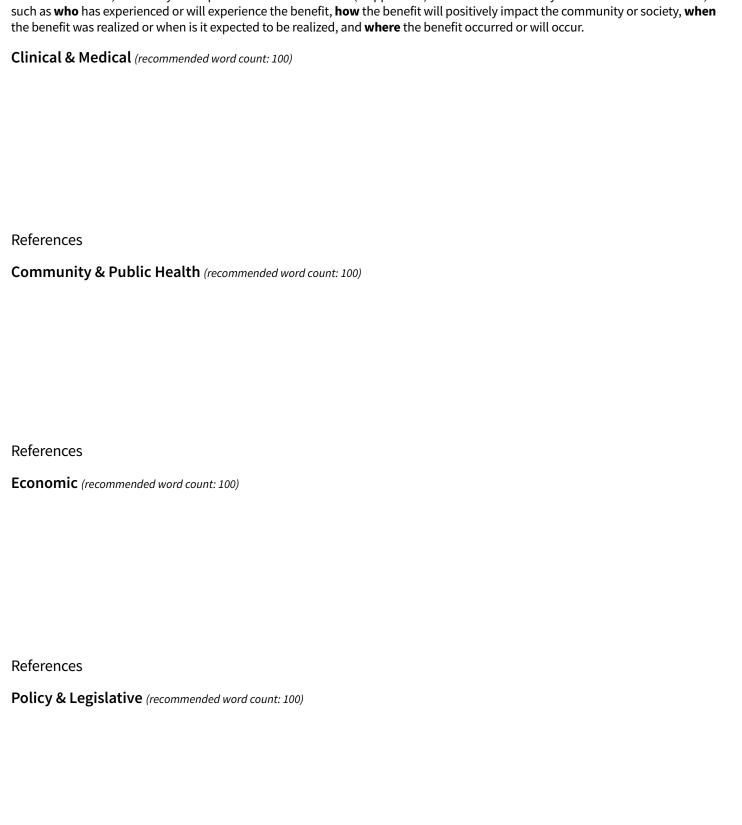
Description	Indicator	
	Demonstrated	*Potential*
	Demonstrated	*Potential*
	Demonstrated	*Potential*
	Demonstrated	*Potential*
	Demonstrated	*Potential*
	Demonstrated	*Potential*
	Demonstrated	*Potential*

IMPACT BY TSBM DOMAIN

In the boxes below, describe your impact in each TSBM domain (if applicable). Include details about your benefits in that domain, such as **who** has experienced or will experience the benefit, **how** the benefit will positively impact the community or society, **when** the benefit was realized or when is it expected to be realized, and **where** the benefit occurred or will occur.

Clinical & Medical *(recommended word count: 100)*

References

Community & Public Health *(recommended word count: 100)*

References

Economic *(recommended word count: 100)*

References

Policy & Legislative *(recommended word count: 100)*

References

Lessons Learned *(recommended word count: 100)*

Describe what factors were most important in achieving your demonstrated benefits (e.g., a strong community partner, discovery/innovation, process thing). What was so essential that you could not have achieved your benefits without it?

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.

Notes

Use this space for additional notes, including Benefits not noted on page 5.

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. Other images supporting your project are also welcome. See **TSBM 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**, please submit this completed form using the button below and email image files or additional materials to **translationalsciencebenefits@wustl.edu**.

Date Completed (mm/dd/yyyy)

Please contact us at **translationalsciencebenefits@wustl.edu** with any questions about this form or the case study submission process. Thank you!