The Data Transformation Grants **Scientific Merit** rating scale is to be used by scientific reviewers to assess the research project proposed. Reviewers assign a score for each category below and use the weights indicated per category to calculate the **Overall score** (rounded to one decimal place). Only the Overall score is collected.

Review criteria

Project plan (~50%)
- project addresses accessibility, completeness, quality and/or timeliness of cancer data in Canada
- scientific merit and convincing rationale that considers critical review and analysis of the cancer data landscape
- proposed aims are appropriate, feasible and well-justified
- project, if successful, will demonstrate an approach/solution to bring more value to existing data
- project as outlined will sufficiently test the approach/solution and determine whether it is feasible
- appropriate positioning of the aims to generate meaningful progress towards solving a concern related to cancer data
- sex, gender, and other identity factors (e.g. race, ethnicity) and their intersectionalities appropriately considered in the project and/or database
- appropriateness of the term and amount of support requested

Relevance (~25%)
- clearly identified problem in Canadian cancer data to be solved, and appropriate steps to address it, both during and post-grant are well articulated
- project will deliver insights within 6-12 months of the grant award
- potential of the project to generate specific actions that can be scaled and sustained to meaningfully improve cancer data
- well-described knowledge translation plan (sharing about the research in progress and after) including how this can be used by members of the scientific community, clinicians, general public, relevant patient populations and/or others
- thoughtful consideration of end users in the research project including how the data will be used if the project is successful

Team and Environment (~25%)
- the qualifications and appropriate expertise of the investigator(s) and other team members (note that career stage of investigator(s) will be taken into consideration, including any career interruptions)
- appropriate team members are in place to ensure that approach/solution, if successful, will have the potential to meaningfully improve cancer data in Canada consideration of equity, diversity and inclusion principles in team composition and recruitment processes, and training and development opportunities (if available)
- quality of the environment in which the work will take place (is there access to required data, appropriate equipment, mentorship, etc. available to support success, taking into

consideration contributions of collaborators as required) quality of the research environment in which the work will take place (is there appropriate equipment, mentorship, etc. available to support success, taking into consideration contributions of collaborators as required)

Score descriptions

Description	Score range	Funding priority
All scoring criteria have been met and some exceeded. Each item has been appropriately and thoroughly addressed. Very minor improvements are recommended.	4.7 – 5.0	Highest
The majority (>85%) scoring criteria have been met and some exceeded. The majority of items have been appropriately addressed. Some minor improvements are recommended.	4.3 – 4.6	High
Most (70-85%) scoring criteria have been met. Most items have been appropriately addressed. There are several minor or moderate areas for improvement, but no major weaknesses	3.9 – 4.2	Medium-High
Many (60-70%) scoring criteria have been met. Many items have been addressed. There is at least one moderate weakness.	3.5 – 3.8	Medium-Low
Some (30-60%) scoring criteria have been met. Few items have been addressed. There are major weaknesses and the proposal needs further development before being competitive in this program.	3.0 – 3.4	Low
Not enough (<30%) scoring criteria have been met. The weaknesses of the proposal outweigh the strengths.	Below 3.0	None

Score calculation

Category	Relative weight	Assigned score
Project plan	50%	
Relevance	25%	
Team and environment	25%	
Overall score	submit this score in EGrAMS	/ 5