

abdomen, extremities and joints) including the development of biofidelic models to elucidate injury physiology as well as pharmacologic, surgical, rehabilitation, and other interventions; improvement of injury assessment technology; impact injury mechanisms research; and quantification of injury-related biomechanical responses for critical areas of the human body (e.g., brain and vertebral injury with spinal cord involvement).

4. Definition of the human tolerance limits for injury, especially determining the differences in human tolerance by age, fitness level, and gender and the biomechanics and injury tolerances of tissue, bone, and other human structures as a prerequisite for developing interventions.

5. Identification of the modifiable risk factors for and mechanisms of nonfatal neck, back, and soft tissue (whiplash-like) injuries.

Other Special Conditions for New Investigator Research Grants

1. The applicant must be the designated principal investigator. The principal investigator must be responsible for planning, directing, and executing the proposed project. The applicant must include a signed letter indicating that he or she personally wrote the application.

2. The applicant must specify which of four areas the proposal addresses: (a) Unintentional injury; (b) violence-related injury research; (c) injury-related acute care, disability, and rehabilitation; or (d) biomechanics.

3. The applicant must provide measures of effectiveness that will demonstrate the accomplishment of the various identified objectives of the grant. Measures must be objective/quantitative and must measure the intended outcome. These measures of effectiveness must be submitted with the application and will be an element of the application evaluation.

4. The grant may not be transferred to another institution, except under unusual and compelling circumstances (such as if the mentor moves to a new institution and both the mentor and the applicant wish to move together).

5. Any publications directly resulting from the grant should be reported to the responsible CDC program official. The grantee also must cite receiving support from HHS/CDC/NCIPC in any publications directly resulting from the new investigator grant.

F. Content

Letter of Intent (LOI)

The LOI is optional for this program. The narrative should be no more than

single-spaced pages, printed on one side, with one-inch margins, and unreduced 12-point font. Your letter should identify the announcement number, the name of the principal investigator, and briefly describe the scope and intent of the proposed research work. The letter of intent does not influence review or funding decisions, but the number of letters received will enable CDC to plan the application review more effectively and efficiently.

Applications

The Program Announcement title and number must appear in the application. Use the information in the Program Requirements, Other Requirements, and Evaluation Criteria sections to develop the application content. Your application will be evaluated on the criteria listed, so it is important to follow them in laying out your program plan. The narrative should be no more than 25 single-spaced pages, printed on one side, with one-inch margins, and unreduced 12-point font.

Applications should follow the PHS-398 (Rev. 5/2001) application and Errata sheet, and the narrative should include the following information:

1. The project's focus that justifies the research needs and describes the scientific basis for the research, the expected outcome, and the relevance of the findings to reduce injury morbidity, mortality, disability, and economic losses. This focus should be based on recommendations in "Healthy People 2010" and the "CDC Injury Research Agenda" and should seek creative approaches that will contribute to a national program for injury control.

2. Specific, measurable, and time-framed objectives.

3. A detailed plan, which describes the methods by which the objectives will be achieved, including their sequence. A comprehensive evaluation plan is an essential component of the application.

4. A description of the roles and responsibilities of the principal investigator and mentor, where appropriate.

5. A description of all project staff regardless of their funding source. It should include their title, qualifications, experience, percentage of time each will devote to the project, as well as that portion of their salary to be paid by the grant.

6. A description of those activities related to, but not supported by the grant.

7. A description of the involvement of other entities that will relate to the proposed project, if applicable. It should

include letters of organizational commitments of support and a clear statement of their roles.

8. A detailed budget for the grant.

9. An explanation of how the research findings will contribute to the national effort to reduce the morbidity, mortality and disability caused by injuries.

10. An evaluation plan for the project, including quantifiable measures of effectiveness.

Additional Materials Required

In addition to the completed PHS 398 application form, the applicant must also submit the following materials, attached to the application as appendices:

1. An official transcript of the applicant's graduate school record, if within the last three years.

2. When relevant, documentation showing the researcher has redirected his or her career within the last three years.

3. A justification for any proposed tuition support.

4. An overview of the applicant's prior research training and experience as well as a statement of the applicant's short-term and long-term research and career goals and intended career trajectory.

5. A letter from the applicant's mentor or scientific collaborator that outlines the proposed plan for providing scientific advice and consultation to the applicant during the grant period and a biography of the mentor or senior-level collaborator, limited to two pages (Use the Biographical Sketch page in application form PHS 398.)

G. Submission and Deadline

Letter of Intent (LOI) Submission

On or before March 4, 2003, submit the LOI to the Grants Management Specialist identified in the "Where to Obtain Additional Information" section of this announcement.

Application Forms

Submit the original and two copies of PHS-398 (OMB Number 0925-0001). Forms are available at the following Internet address: www.cdc.gov/od/pgo/forminfo.htm.

If you do not have access to the Internet, or if you have difficulty accessing the forms on-line, you may contact the CDC Procurement and Grants Office Technical Information Management Section (PGO-TIM) at 770-488-2700, and forms can be mailed to you.

Submission Date, Time, and Address

The application must be received by 4 p.m. eastern time, April 8, 2003.