

TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION	2
II. BACKGROUND	3
III. RESEARCH PRIORITIES	4
IV. ELIGIBILITY AND AWARDS	
A. Who May Apply.....	5
B. FY 2005 Award Categories.....	6
C. Applicant Organizations.....	7
V. FUNDING CYCLE	
Novice Investigators, 1-, 2-, 3-Year, Pilot Project, and Research Fellow Awards.....	8
Graduate Research Awards.....	8
Fast Track Awards.....	9
VI. APPLICATION SUBMISSION	
A. Intent to Submit an Application.....	10
B. Submission Requirements.....	10
C. Submission of Duplicate Applications.....	11
VII. PROPOSAL PREPARATION	
A. General Application Guidelines.....	12
B. Application Resubmission.....	12
C. Application Forms.....	13
All Applicants.....	13
Novice Investigator, 1-, 2-, 3- Year, and Pilot Project Awards.....	14
Research Fellow Awards.....	22
Graduate Research Awards.....	25
Fast Track Awards.....	26
VIII. PROPOSAL EVALUATION	
A. Review Process.....	29
Review of Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, and Research Fellow Awards.....	29
Review of Graduate Research Awards.....	33
Review of Fast Track Awards.....	33
IX. ADDITIONAL INFORMATION	
A. Proposal Topic Consultation.....	34
B. Changes in Address or Status of Principal Investigator.....	34
C. Changes in Key Personnel, Work Effort, or Job Responsibilities.....	34
D. Contract Vendor Registry.....	34
E. Ethical Issues.....	35
APPENDIX A TSNRP Award History	
APPENDIX B Nonprofit Organizations	
APPENDIX C Forms	
APPENDIX D Sample Timeline	
APPENDIX E Selected References	
APPENDIX F Research Consultants/Specialty Leaders	

I. INTRODUCTION

The TriService Nursing Research Program (TSNRP) Call for Proposals introduces the Program, announces the availability of grant funds for FY 2005, and provides application guidelines for these funds. An electronic version of this document can be accessed online through <http://www.usuhs.mil/tsnrp>.

This Call for Proposals contains information not provided in previous Calls, including the acceptance, between 1 October 2004 and 15 March 2005, of applications for the Graduate Research Award. Military nurses considering application for TSNRP funding should become familiar with each section of this Call for Proposals. Applicants should be mindful of requirements pertinent to the award for which they are applying and their military status.

All forms needed to apply for TSNRP funding can be accessed online through <http://www.usuhs.mil/tsnrp/forms>. Appendix C contains a table showing the forms needed for each type of award application. Some TSNRP application forms and samples of application forms are provided in Appendix C. Applicants should use only the most current application forms.

Please contact the TSNRP office with questions, or for additional information:

TriService Nursing Research Program
Uniformed Services University
4301 Jones Bridge Road
Bethesda, MD 20814
Phone: 301-295-7077
Fax: 301-295-7052
E-mail: tsnrp@usuhs.mil

II. BACKGROUND

The mission of the TSNRP is to provide resources for the conduct and use of research to foster excellence in military nursing care. Since its inception through congressionally appropriated funding in 1992, the TSNRP has evolved through the earnest endeavor of military nurses. Military nurse investigators have increasingly invested their time and expertise in this program. Success of the program is evidenced by the positive outcomes of research studies conducted to improve the health of service members and their military beneficiaries. More than 261 research studies in basic and applied science have been funded since 1992. General topics that have been investigated with TSNRP funding include: military readiness and deployment, skill sustainment, evacuation and transportation, nursing care in unique military environments, military nursing histories, health promotion and disease prevention, men's and women's health issues, managed care environments, case management, nurse-run clinics, telehealth, and econometrics. Abstracts for all TSNRP-funded studies are available online at <http://www.usuhs.mil/tsnrp/funded/index>. The TSNRP's award history is described in Appendix A.

Military nursing's unique perspective for the care of its beneficiaries requires not only scientific investigational activities but also rapid dissemination and use of study results. Dissemination of findings to nurses in a global setting is a particular challenge that has been met by this program. Results of TSNRP studies have been reported in refereed nursing and other professional journals, including: *American Journal of Critical Care*, *Cancer Nursing*, *Clinical Nursing Research*, *Journal of Interferon and Cytokine Research*, *Journal of Nursing Administration*, *Military Medicine*, *Nursing Science Quarterly*, and *Western Journal of Nursing Research*. Findings from TSNRP-funded grants have been presented at military, regional, national, and international conferences, including those of the following organizations: Aerospace Medical Association, American Association of Critical Care Nursing, American College of Preventive Medicine, Association of Military Surgeons of the United States, Midwest Nursing Research Society, Phyllis J. Verhonick Army Research Conference, State of the Science Congresses, Sigma Theta Tau International, Southern Nursing Research Society, U.S. Army Nurse Corps, the Western Institute of Nursing, and the American Academy of Nurse Practitioners.

The TSNRP works in concert with schools of nursing at universities and colleges across the country. Faculty at these academic institutions include non-military nurse researchers who offer research and content expertise and reserve and retired military nurse researchers who offer unique military perspectives in addition to research expertise. These affiliations foster collaboration between nurse researchers and help to sustain the cadre of military nurse researchers. TSNRP continues to forge partnerships with other research institutions and organizations, both military and civilian, to maximize the success of the program.

The TSNRP is pursuing an aggressive research agenda focusing on topics most relevant to military nursing practice and in alignment with the Services' strategic goals. It is imperative that the research conducted today has application for military beneficiaries tomorrow.

III. RESEARCH PRIORITIES

In 2001, TSNRP identified five areas on which to focus its research efforts. In 2002, these research priorities were refined based on current Service-specific needs.

- **Deployment Health:** Research designed to examine physiological and psychosocial factors of individuals and families that affect readiness before, during, and after deployment, and the provision and evaluation of nursing care in the military environment.
- **Developing and Sustaining Competencies:** Research designed to identify the methods of developing nursing expertise in multiple venues. This research may include the identification of the continuum of nursing skills during peacetime and wartime, factors that enhance the genesis, maturation, and retention of those skills, as well as the effect of mentoring on that continuum.
- **Recruitment and Retention of the Work Force:** Research designed to identify factors associated with recruitment and retention of nursing personnel in the military health care system.
- **Clinical Resource Management:** Research designed to identify and test staffing models for the provision of safe and cost-effective care.
- **Military Clinical Practice and Outcomes Management:** Research designed to inform military nursing practice as well as to identify those interventions that have been supported by findings or previous research and found to be efficacious. Outcomes research is an important scientific methodology developed to examine the end result of patient care strategies, including non-traditional methods and perspectives from evaluation research, epidemiology, and economic theory.

The TSNRP supports studies with relevant operational or deployment health topics and both quantitative and qualitative methodologies.

Applicants should familiarize themselves with the TSNRP's previously funded research. Details on these studies are available online at <http://www.usuhs.mil/tsnrf/funded/index.html>.

IV. ELIGIBILITY AND AWARDS

A. WHO MAY APPLY

Active Duty, Reserve, and National Guard Nurse Corps Officers are eligible to apply for TSNRP funding. Retired Nurse Corps Officers are also eligible for TSNRP funding; however, there are some eligibility limitations and application requirements for retired military nurse scientists. There are also other eligibility requirements specific for award categories and the experience and military status of the Principal Investigator (see below).

1. TSNRP promotes the mentoring of new and junior military nurse researchers as a way to achieve its goal of expanding the cadre of military nurse researchers. TSNRP considers a new and/or junior investigator to be a *novice* investigator, that is, a master's-prepared nurse clinician or doctoral-prepared military nurse with no or limited experience in conducting a research study. A *mentor* is defined as an experienced nurse researcher who supports, guides, and assists a new or junior investigator. Applicants for the following awards are required to have a mentor.

- Investigators applying for Novice Investigator Awards
- Investigators applying for Research Fellow Awards
- Investigators applying for Graduate Research Awards
- Investigators who are retired Nurse Corps Officers

TSNRP highly encourages new or junior investigators seeking research experience to apply for the Novice Investigator Award.

2. Active duty and Reserve graduate students are highly encouraged to apply for a Graduate Research Award to conduct their dissertation or thesis.

Additional eligibility requirements and award limits are shown in the table on the following page.

B. FY 2005 AWARD CATEGORIES AND ELIGIBILITY REQUIREMENTS

The TSNRP offers eight funding categories: Novice Investigator Award; 1-, 2-, 3-Year Award; Pilot Project Award; Research Fellow Award; Graduate Research Award; and Fast Track Award. TSNRP highly recommends pilot work to substantiate feasibility and instrument reliability before embarking on a large-scale study. The exact amount of funding awarded to an individual grant depends on the purpose and goals of the application, and the availability of funds.

Applications for these 6 award categories accepted in November and March of each fiscal year	
Novice Investigator Award	Purpose: To provide military nurse clinicians with limited research experience support for a study that is modest in scope, or as a first phase of a larger project.
	Award: Up to \$100,000 in direct costs for support of a 12-18 month study.
	Eligibility: Master's- and doctoral-prepared military nurse with limited experience in conducting a research study.
	Special Requirements: Mentor required. Retired Nurse Corps Officer may not apply.
1- and 2-Year Award	Award: Up to \$450,000 total costs (direct plus indirect costs).
	Eligibility: All Active Duty, Reserve, National Guard, and Retired* Nurse Corps Officers with research experience.
3-Year Award	Award: Up to \$500,000 total costs (direct plus indirect costs).
	Eligibility: All Active Duty, Reserve, National Guard, and Retired* Nurse Corps Officers with research experience.
Pilot Project Award	Purpose: To provide preliminary data for a future research project.
	Award: Up to \$30,000 in direct costs to support a 12-18 month study to provide preliminary data to support the development of future projects.
	Eligibility: All Active Duty, Reserve, National Guard, and Retired* Nurse Corps Officers.
Research Fellow Award	Purpose: To facilitate training of military nurses interested in research and expand the skills of experienced military nurse researchers.
	Award: Up to \$75,000 in direct costs for support over a 1-year period to provide mentored experience to master's- and doctoral-prepared military nurses for the development of specific research-related skills.
	Eligibility: Master's- and doctoral-prepared Active Duty and Reserve Nurse Corps Officers. <i>Retired Nurse Corps Officers may not apply.</i>
	Special Requirements: Mentor required.
Applications for the Graduate Research Award accepted 1 October 2004 through 15 March 2005.	
Graduate Research Award	Purpose: To support a dissertation/thesis research project.
	Award: Up to \$30,000 in direct costs to support a 1- or 2-year project.
	Eligibility: Active Duty and Reserve students pursuing a master's degree in nursing or a doctoral degree.. Only one award fund per thesis and dissertation.
	Special Requirements: Mentor required. Retired Nurse Corps Officer may not apply.
Applications for the Fast Track Award accepted four times each fiscal year.	
Fast Track Award	Purpose: To facilitate rapid implementation of short-term research of emerging service-specific questions or concerns.
	Award: Up to \$25,000 in direct costs to support a period not to exceed 15 months.
	Eligibility: Experienced Active Duty Nurse Corps researchers only. <i>Students, novice researchers, and retired military nurses may not apply.</i>

*See mentoring requirements for Retired Nurse Corps Officers in Section VII: Proposal Preparation, page 14.

C. APPLICANT ORGANIZATIONS

Awards are made to institutions, not individuals. Although the PI writes the application, implements the research, and disseminates the results, the monetary award is made to an institution known as the applicant organization. The applicant organization assumes responsibility for the execution of the grant.

As the granting authority for the TSNRP's congressionally appropriated funds, the Uniformed Services University of the Health Sciences (USUHS) can award grants only to organizations outside the Federal sector. Typically, applicant organizations are academic institutions or non-profit organizations. Investigators can submit their application through a non-Federal applicant organization of their choice. Appendix B contains information on non-profit organizations frequently used by military personnel.

V. FUNDING CYCLE

The deadline for the submission of applications for Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, and Research Fellow Awards is **4 P.M. EST, 2 November 2004**. All applications submitted for these awards will undergo the same review process and follow the same funding cycle.

FUNDING CYCLE A Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, and Research Fellow Awards

Letter of Intent Deadline	29 September 2004 by 4 P.M. EST
Application Deadline	2 November 2004 by 4 P.M. EST
Scientific Review	January 2005
Programmatic Review	February 2005
Funding Decision	March 2005
Notification of Funding	April 2005

FUNDING CYCLE B Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, and Research Fellow Awards

Letter of Intent Deadline	7 January 2005 by 4 P.M. EST
Application Deadline	1 March 2005 by 4 P.M. EST
Scientific Review	April 2005
Programmatic Review	May 2005
Funding Decision	June 2005
Notification of Funding	July 2005

FUNDING CYCLE Graduate Research Awards

With this FY05-A funding cycle, Graduate Research Awards will be **accepted between 1 October 2004 and 15 March 2005**. See Section VII: Application Submission, b. Submission Requirements. Applications submitted for Graduate Research Awards will follow a funding cycle and review process independent of those for the other awards. See Section VIII: Proposal Evaluation, 2. Review of Graduate Research Awards.

**FUNDING CYCLE
Fast Track Awards**

The Fast Track Award has been designed to allow for quarterly submissions in January, April, June, and October. Applications submitted for Fast Track Awards will follow a funding cycle and review process independent of those for the other awards.

Letter of Intent Deadline	Application Deadline	Programmatic Review	Funding Decision	Earliest Start Date
7 August 2004	5 October 2004	November 2004	December 2004	If approved for funding, and funds are available, awards will be negotiated immediately.
7 December 2004	25 January 2005	February 2005	March 2005	
1 March 2005	5 April 2005	May 2005	June 2005	
3 May 2005	21 June 2005	July 2005	September 2005	

See Section VIII: Proposal Evaluation, 3. Review of Fast Track Awards.

VI. APPLICATION SUBMISSION

A. INTENT TO SUBMIT AN APPLICATION

Investigators are highly encouraged to notify the TSNRP of their interest in applying by submitting a Letter of Intent (LOI). The LOI is not a commitment to submit an application. TSNRP may provide guidance in response to an LOI. LOIs may be submitted electronically through the TSNRP web site, <http://www.usuhs.mil/tsnrp/forms/index.html>, as a paper copy mailed to the address below, or faxed to 301-295-7052 (see Appendix C for LOI forms).

B. SUBMISSION REQUIREMENTS

Application requirements are determined by the award category. The application will consist of TSNRP forms and Public Health Service (PHS) forms, either PHS 398 forms (revised 5/01), PHS 416-1 forms (revised 11/02), or a combination of both. A table showing the application forms required for each award category is provided on page 13. All applications must be accompanied by TSNRP forms revised 7/03. A **complete application** includes:

- One signed original of the TSNRP forms and the appropriate PHS forms, with appendices.
- Two copies of the **entire original, including appendices.**
- One electronic copy of the complete application, including TSNRP forms and the appropriate PHS forms, with appendices. (**CD-ROM only. Do not send floppy disks or PDF files.**)

The application packet should be secured with rubber bands (no staples, clips, or binders). All forms are available online at <http://www.usuhs.mil/tsnrp/forms/index.html>.

The complete application for **Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, and Research Fellow Awards must be submitted by 4 P.M. EST on 2 November 2004 to:**

CDR Patricia W. Kelley, NC, USN, DNSc, RN, FNP, GNP, FAANP
Executive Director
TriService Nursing Research Program
Uniformed Services University
4301 Jones Bridge Road
Bethesda, MD 20814-4799

The complete application for **Graduate Research Awards may be submitted between 1 October 2004 and 15 March 2005 to the address above.** Applications received after the 15 March 2005 deadline will be considered in the FY06 funding cycle.

The complete application for **Fast Track Awards must be received in the TSNRP office (address above) by 4 P.M. EST on 5 October 2004, 25 January 2005, 5 April 2005, or 21 June 2005.**

Applications that are not received by the stated deadlines are considered late applications. **Late applications and/or applications exceeding the funding award limit will be returned to the applicant and will not be considered for review.**

C. SUBMISSION OF DUPLICATE APPLICATIONS

The TSNRP discourages the submission of an application that is a duplicate of an application in concurrent review by another funding agency.

VII. PROPOSAL PREPARATION

A. GENERAL APPLICATION GUIDELINES

Investigators are encouraged to submit rigorous scientific proposals that convey military relevance and relevance to the TSNRP's research focus areas (see Part III). The proposal should demonstrate logical consistency and clarity throughout (i.e., purpose, statement of specific aims, review of literature, theoretical framework, research questions/hypotheses, design, data collection, and data analysis).

When preparing the application, **applicants should pay utmost attention to detail and ensure that all parts of the proposal are consistent, error-free, and complete. The following guidelines should be used to format an application:**

- Study title must be limited to a maximum of 56 characters.
- Single-sided and single spaced.
- Margins in all directions must be at least ½ inch, or according to the application form pages (which are pre-formatted).
- Font size must be **no smaller than 12 point**.
- No more than 6 lines of type within a vertical inch.
- Page limitations and content requirements as per the most current PHS 398 instructions.

Applications must be complete and accurate at the time of submission. An application will be returned without review if it exceeds the funding award limit, is illegible, fails to meet the guidelines, or presents insufficient material to permit an adequate review. **Supplementary or corrective material may not be submitted after the deadline, unless the TSNRP Director agrees to accept this information.**

B. APPLICATION RESUBMISSION

PIs are limited to submitting two revisions of an application. The PI should identify whether the current grant application represents a revision of an application previously submitted for TSNRP funding. Resubmission is an opportunity for the PI to address comments from previous scientific and programmatic reviews and to state how the recommendations were considered when preparing the revised application. All information from a previously submitted application, including reviewer critiques, is made available to reviewers for consideration during the scientific and programmatic review process of the resubmission.

All revised applications must include an introduction not to exceed three pages. In the introduction, list each area of concern noted in the reviews (scientific and programmatic) for the previous application, and clearly summarize the changes that have been made in the revised application. Do not include an extensive description of each change in the introduction. Use the RECOMMENDATIONS AND REVISIONS FOR FY ____ SUBMISSION form to provide a detailed description of each change (see Appendix C). Use brackets to identify paragraphs with significant changes to distinguish them from the previous application. **Do not underline, bold type, or shade changes**. Resubmit a whole new proposal for revisions if the revisions are extensive and difficult to follow. This exception should be explained in the introduction to the revised application. Refer to the PHS 398 instructions for guidelines on preparing a revised application.

C. APPLICATION FORMS

The table below outlines the forms needed for a complete application for each type of award. All forms are accessible through the TSNRP web site <http://www.usuhs.mil/tsnrp/forms/index.html>.

Application forms needed for each award category

AWARD	TSNRP Forms	PHS 398 FORMS											PHS 416-1 Forms (NRSA)						
		Face Page	Abstract Page	Table of Contents	Detailed Budget	Entire Budget	Biographical Sketch	Other Support	Resources	Research Plan	Checklist	Personal Data	Form Page 2	Table of Contents Form Page 3	Scholastic Performance Form Page 4	Background Form Page 5	Research Form Page 6	Bio Sketch of Sponsor Form Page 7	Facilities & Commitment Form Page 8
Novice Investigator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
1- and 2-Year	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
3 Year	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Pilot Project	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
Graduate Research	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓		✓	✓
Research Fellow	✓	✓			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
Fast Track	✓	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓							

*Modified PHS 398 Table of Contents form specific to the Fast Track Award.

1. All Applicants

Applicants of all award categories must complete the following two TSNRP Forms:

a. Grant Application Cover Sheet

All proposals must have a completed TSNRP Grant Application Cover Sheet (see Appendix C) as the first document of the application. The PI's name, military rank, military unit, full mailing address to include facsimile and e-mail, and (if applicable) civilian title(s) and work position are required. The PI must indicate the Award Category being requested (see Part IV.B) and categorize the proposal according to the TSNRP Research Priorities (see Part III). PIs who have previously received TSNRP funding must attach on a separate page dissemination of research findings from their TSNRP-funded research.

b. Relevance to Military Nursing Form

The Relevance to Military Nursing form follows the Cover Sheet (see Appendix C). In the space provided, the PI should fully describe how the proposed research would expand the body of military nursing practice and military scientific knowledge.

2. Novice Investigator, 1-, 2-, and 3-Year, and Pilot Project Awards

Applicants for these awards must complete PHS 398 forms, revised 5/01 and updated 29 September 2003. PHS 398 forms and instructions for completing the forms are accessible online through the TSNRP web site <http://www.usuhs.mil/tsnrp/forms/index.html>. Applicants are advised that there are additional TSNRP-specific instructions for some PHS 398 forms, such as Budget Forms, Biographical Sketch Format Page, Other Support Format Page, etc., and the application instructions contained in this Call for Proposals supercede instructions for the PHS 398 forms.

The PI’s name and rank should be listed at the top right corner of each PHS 398 page, except for the face page. Additional general instructions are provided below.

a. Face Page

Since the applicant organization is ultimately responsible for the implementation and administration of the research, the signing official at the organization and the PI must both sign the Face Page (see Appendix D). The signing official’s signature is considered certification of the information contained within the application, the budget information in particular, and provides assurance that appropriate mechanisms are in place to manage and monitor the grant. **Applications submitted with only the PI’s signature on the Face Page will be returned without review.**

b. Description, Performance Sites, and Key Personnel (Abstract Page)

1) Description

This section is also known as the research “abstract.” Follow the instructions listed on the PHS 398 form. In the space allowed, cite key areas of the research, for example, the problem to be examined, theoretical framework, population or sample, design, procedures, intervention, data analysis plan, measurements, etc.

2) Performance Site

A performance site is a location where data are collected. The performance site may or may not be the same as the PI’s assigned duty station or academic site. A study may have multiple performance sites (see example below).

PERFORMANCE SITE(S) (organization, city, state)	
Naval Medical Center	San Diego, CA
Madigan Army Medical Center	Tacoma, WA
Brooke Army Medical Center	San Antonio, TX
Wilford Hall Medical Center	San Antonio, TX

3) Key Personnel

Starting with the PI, list the names of all individuals functioning as key personnel. Key personnel are defined as individuals who contribute in a substantive way to the scientific development or execution of the project, whether or not salaries are requested by the applicant organization. The PI is the one individual designated by the applicant organization as responsible for the proper conduct of the study. **Only**

one individual can be designated as the PI for a study. The TSNRP does not recognize the use of a *co-Principal Investigator* title. Individuals providing technical services (e.g., transcriptionists) are not considered key personnel.

PIs previously funded by TSNRP are evaluated on their past compliance with federal, Uniformed Services University of the Health Sciences, and TSNRP requirements, such as timely submission of Institutional Review Board approval documents, progress reports, and publication history.

a) Mentoring

A mentoring component is a requirement for ***new and junior investigators*** applying for the Novice Investigator, 1-, 2-, and 3-Year, and Pilot Project Awards, and ***all retired investigators***. Both the mentor and individual being mentored should be listed as key personnel.

New or junior investigators' applications are evaluated on the expertise and credentials of the experienced mentor. The mentor must be a member of the research team and be available to provide support to the investigator, as outlined in the mentoring plan.

Investigators who are retired from the military are evaluated on the presence or absence of a new or junior military investigator as a member of the research team. The mentoring plan for the new or junior investigator is evaluated for its potential to develop a military nurse researcher, thereby increasing the cadre of military nursing researchers. Details of the mentoring plan must therefore be provided in the personnel section of the Budget Justification (see below).

b) Active Duty PIs

In addition to describing the PI's ability to carry out the proposed research (i.e., education, research experience, content expertise, previous work in the proposed area of research, previous experience in other research areas, relevant publications, prior funding, etc.), Active Duty PIs "Time on Station" is considered by reviewers. Therefore, the research team of an Active Duty PI should include a second military nurse at the primary performance site to serve as the site's contact should the PI be away from the site for more than three months (e.g., deployment, permanent change of station, end of time in service, TDY, etc.). Details on Active Duty key personnel must be included in the Budget Justification section (see below).

The stability of the Active Duty PIs research team at the primary performance site is evaluated with consideration to change of duty station, temporary duty, end of time in service, etc.

c. Budget and Budget Justification

The budget should include project costs that will be charged to grant funds. Federal employees may not use grant funds for salaries, and contributions by Federal employee research team members should be annotated as "without charge," or "WOC," on the Budget Forms and Budget Justification sectionS. The budget must be complete, accurate, and reasonable, and within the budget limits for each grant award category (see Part IV.B). When preparing the detailed budget, list only the **direct costs** requested in the application (see Appendix C). Direct costs are those items required to conduct the

research, such as personnel, equipment, and supplies. **Applications exceeding the specific award's funding limit will be returned without review.**

A narrative justification that is clear and detailed must be provided for all requested major budget items. The budget justification begins on the "Budget for Entire Proposed Project Period – Direct Costs Only" form.

For multiple-year studies, applicants should complete a detailed budget page for each year of the study and a page for the entire proposed project period. Types of direct costs, by category, are shown below.

1) *Personnel Costs*

For each individual listed as key personnel, list the percent effort on the project and the individual's base salary on the Detailed Budget pages. The salary requested is calculated by multiplying the individual's base salary by the percent effort on the study.

List the name, role on project, and percent effort for all key project personnel in the Budget Justification, including "Without Charge" personnel. Provide a narrative justification for each person based on his/her role on the project, specific responsibilities for the research, research experience, content expertise, amount of time proposed to accomplish the research tasks, and proposed level of effort. Avoid any duplication of roles and/or responsibilities. **For military personnel, include the additional information of their "Time on Station," "Permanent Rotation Date," or "End of Time in Service."**

Investigators who have changed their area of research may lack some of the key evaluation aspects listed previously therefore adequate justification should be provided in the proposal to support the PI's new direction/research area.

For applications requiring mentoring plans, include in the budget justification a clear explanation of the mentor's role, and how the mentoring process will be evaluated. Retired service members must describe how they intend to develop the new investigator's involvement in the conduct of research. A detailed mentoring plan must include the responsibilities of **both** the mentor and the protégé.

2) *Consultant Costs*

A consultant is an individual hired to give professional advice or services for a fee and is normally not an employee of the applicant organization. Identify all consultants by name and organizational affiliation, expertise in the specified area, their significant contribution to the success of the study, and when and how the consultant's services will be performed. There is no allowance for consultant fees for master's and doctoral research grants.

3) *Major Equipment**

The purchase of equipment for the conduct of research is allowable. Justification for all equipment must be provided in the application.

4) *Supplies, * Materials, Consumables*

A general description and estimate of the total cost of expendable equipment and supplies is required. Itemize supplies in separate categories if the total is greater than \$1,000. If animals are to be purchased, state the species and number to be used.

* Requested computer equipment and software must reflect the needs of the research being conducted. The placement of computer equipment under “Major Equipment” or Supplies, Materials, Consumables,” is dependent upon the individual grantee organization’s definition of equipment however, the maximum allowable cost for computer equipment, including software, is \$3,000.

5) *Travel Costs*

Travel costs may be incurred in the implementation of the research study. List the purpose and destinations for all proposed travel and for each individual. A table may be included for multiple trips. Estimate round-trip airfare (or mileage), hotel, and per diem costs for each trip.

Dissemination of findings is an important component of the research. A maximum of \$1,800 per award may be budgeted for travel to attend a scientific meeting to disseminate research findings. Travel for dissemination typically occurs in the last year of a project.

6) *Research-Related Patient Costs*

Itemize costs of patient participation in the research study. These costs are limited to expenses specifically associated with the proposed study. Military personnel cannot receive remuneration for participation in research, except for blood draws, which ARE typically up to \$50 per draw. Consultation with the performance site’s legal consultant is recommended during the writing of the proposal to ensure compliance with Department of Defense regulations on remuneration of military personnel.

7) *Other Expenses*

Itemize other anticipated direct costs, SUCH AS, equipment rental, communication costs, transcription costs, advertising costs for study personnel, assistance in manuscript preparation (including editing and proofing), etc. Provide hours and rates for all equipment rental and services. A maximum of \$350 for preparation of dissemination materials is allowed. **IRB related processing fees are not allowed.**

8) *Indirect Costs*—See “Checklist” page.

Examples of corresponding budget documents (Face Page, Detailed Budget for Initial Budget Period, Budget for Entire Proposed Project Period, and Checklist Form Page) have been provided as a reference in Appendix C.

d. Biographical Sketch

Biographical sketches should include the person’s education, job experience, military assignments, content expertise, research experience, *funding history with the amount of each award*, and other qualifications appropriate to their role on the research team. Evidence of publications emanating from previously funded research should be provided as part of the biographical sketch. PIs who have previously received TSNRP funding are evaluated on their efforts to disseminate the findings of their TSNRP-funded research. The TSNRP strongly advises investigators not to use biographical sketches that have

been prepared for other purposes. The biographical sketches will be most effective if tailored to the specific proposal.

e. Other Support

Other Support is defined as all financial resources (Federal, non-Federal, commercial, or institutional) available in direct support of an individual's research endeavors. Information on Other Support assists THE TSNRP in identifying investigators' potential overlap in support. Overlap, whether scientific, budgetary, or commitment of an individual's effort greater than 100 percent, is not permitted. **Complete an "Other Support" page for all key personnel.**

f. Resources

Applicants are advised to focus on those institutional resources that are particularly relevant to the proposed research study. Proposal reviewers want to be assured that investigators have access to all of the material/facilities/services that will be needed to conduct the research study. It is also helpful to include information on conduciveness of the environment to successfully complete the research, access to resources needed to conduct the research study (e.g., material, computers, copiers, medical equipment, library, laboratories, testing centers, space, services, scholarly environment, etc.), and any related research being conducted by other investigators at the research site. Having on-site colleagues who are interested and involved in studies related to your research area can be a valuable resource.

g. Research Plan

PIs are encouraged to use all allowable space to explain their research plan. The text should be formatted according to the guidelines on page 12. Areas for discussion in the Research Plan are shown below.

1) Specific Aims

This section, the foundation on which the rest of the proposal will be built, is one of the most important parts of the proposal. If sufficient time and thought are invested in this first stage of the proposal, the rest should flow smoothly. In addition to listing the broad, long-term objectives (or purposes) and hypotheses for the study's research questions, the Specific Aims section should: 1) be easy to read and logically presented, 2) suggest the relevance of the proposed study to the mission of the TSNRP, 3) refer to the current state of knowledge in the area of study, noting how the proposed study will fill gaps in that body of knowledge, and 4) indicate the expected outcomes of the study and the expected impact of the study findings. A direct relationship between the hypotheses (or research questions), data collected, and analysis should be fully presented.

2) Background and Significance

In the Background and Significance section, the proposal's aims should be well substantiated from previous research. Emphasis in this section is on: citation of specific research literature supporting the significance of the research problem; identification of gaps the proposed research is intended to address and support of the selected methodology, to include a conceptual framework if applicable, instruments/measurement techniques, or procedures. Citation of, and specific credit for, another author's work is part of the researcher's scientific and scholarly responsibility. Opinion-based citations do not provide adequate support for the proposed research.

Applicants are encouraged to present any supporting statistics or other pertinent information that further demonstrates the importance of the proposed study to the current body of knowledge in the research area and the mission of the TSNRP. If there is an expectation that the proposed research will have practical therapeutic applications for clinical nursing, be sure to include such information by indicating the nursing intervention, expected outcome, and reliability and validity of outcome measures. Finally, include any economic impact that the research findings are expected to produce.

3) Preliminary Studies/Progress Report

In this section, highlight preliminary work the research team has done in the proposed area of study to demonstrate that the research team has mastered the technical aspects of the proposed research, including accessing the proposed sample population, pilot testing proposed instruments, etc.

Relevant data from unpublished research should be included in this section. Describe what the data show and why the findings to date are significant to the proposed work. If necessary, selectively include in the appendices related materials from any published work. In writing this section, keep in mind that the objective is to convince the reviewers that the research team is prepared to undertake the proposed study and that the research team has a competitive advantage over others working in the field. Only research conducted by members of the proposed research team should be reported in this section.

4) Research Design and Methods

This section should follow directly from the Specific Aims statement. Organize this section carefully to ensure that the Research Design addresses each stated Specific Aim. Present the theoretical/conceptual basis of the Research Design before getting into details of Methods. Discuss sample, instrumentation, data collection procedure, analysis, and human rights protection in enough detail (e.g., methodology, statistics, discussion of controls) to make clear what will be done, how it will be done, and how the data will be interpreted. **Provide a detailed timeline delineating the proposed progression of the study, to include major tasks/milestones and the period within which they will be accomplished** (see Appendix D). Discuss anticipated problems and plans for alternative strategies should these problems arise.

5) Instruments

Samples of all instruments and assessments of their reliability and validity must be submitted with the application. Inclusion of an instrument table with corresponding reliabilities within the methodology section may assist the scientists reviewing the proposal. Use of untested instruments (except in instrumentation proposals and some qualitative research) or failure to include reliability and validity data diminishes the credibility of the measures.

6) Sample and Site Availability

Sample selection for the proposed study must be realistic, especially for those studies using military populations. Include the parameters employed and the results of a power analysis to justify the sample size for the research questions addressed in the proposal. Support letters demonstrating access to settings and populations are critical to the application. Specific details as to how subjects will be identified and recruited

must be included. The site population should be described as well as the number available for sampling.

7) Data Collection Procedure

Every step in the data collection procedure should be fully described so as to be evident to the reviewers what will be done, how it will be done, and by whom.

8) Human and Animal Use Approvals

Research involving either human subjects or animals must be conducted in full compliance with all applicable Federal regulations and Department of Defense (DoD) policies. If the proposed research involves human subjects, the PI should discuss issues related to human subjects protection (e.g., confidentiality, coercion, volunteerism, data safety, monitoring plan, Health Insurance Portability and Accountability Act compliance, etc.). Applicants may want to consult current DoD, Service, and site-specific human subject protection requirements.

Research involving the use of animals must be conducted at a facility accredited by the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC). Documented Institutional Animal Care and Use Committee (IACUC) approval must be provided if the proposal is funded.

Research taking place on DoD installations or using DoD beneficiaries must have the approval of all appropriate Institutional Review Boards (IRB). Academic institutions' human use approval will not be considered a substitute for the appropriate DoD IRB approval at the performance site. Determination of exempt status for research is the responsibility of the local IRB and cannot be made by the investigator. Although not required at the time of application, the applicant will be responsible for providing documented IRB approval of the research protocol for each performance site if the proposal is funded. As the grantor, the Uniformed Services University of the Health Sciences' IRB also reviews all TSNRP-funded proposals involving human subjects. **Funding for approved applicants will not be dispersed without appropriate IRB approvals from each performance site and the Uniformed Services University of the Health Sciences.**

The use of vulnerable populations is subject to strict scrutiny by Human Subjects Committees, potentially causing a lengthy and difficult IRB approval process. The use of multiple performance sites may also slow the IRB approval process. In these cases, IRB approval should be sought early in the application process.

Human use consent forms must state the following under the section labeled "Confidentiality": "The Institutional Review Board of [the specified study site], the Uniformed Services University of the Health Sciences, Bethesda, MD, and other Federal agencies who provide oversight for human subject protection may see your records." **If applicable, a draft of an Informed Consent document must be included in the application.**

A list of references related to human and animal study subjects protection is provided in Appendix F.

9) *Reference List*

All references cited in the text must appear in the reference list. Another author's work must be cited accurately in the text. Use a reference format that includes the titles of the research articles; the use of a publication manual is recommended.

10) *Consortium/Contractual Arrangements*

This section should include letters of collaboration and budget plans for each contractual agreement (including PHS 398 budget pages for initial budget period and entire proposed period).

11) *Consultants*

Letters of support from consultants and their biographical sketches are included in this section. Letters of support from consultants should include scope of work (responsibilities), compensation, level of commitment (percent effort), and duration of commitment.

h. Checklist

Facilities and Administrative (F&A)/Indirect costs (overhead) information is calculated and completed by the applicant organization. F&A/Indirect costs are those costs incurred for common or joint objectives within the applicant organization in support of various projects. F&A/Indirect costs, therefore, cannot be readily identified with a specific research project or activity of an organization. A number of activities become a part of what makes up the indirect costs of the organization. These may include local telephone service, accounting and legal services, and operation and maintenance of the facilities. Do not list in the detailed budget any item treated by the applicant organization as an F&A/Indirect cost.

F&A/Indirect cost rates differ among the various institutions according to a Federal rate negotiation agreement. Each organization should have an F&A/Indirect cost rate. F&A/Indirect costs are computed by applying the negotiated indirect cost rate to the direct cost project base. The indirect cost rate is itemized by the applicant organization on the Checklist Form Page and should correspond to the information provided on the budget pages and the Face Page of the application.

i. Personal Data on Principal Investigator

This form is required and is to be completed by the PI. Place the form at the end of the original application. Do not copy.

j. Appendix

Appendices can include material relevant to the application that is not suited for the body of the application, including (but not limited to) measurement/instrument, consent form(s), list of publications, manuscripts accepted for publication, and letters of support. The number of publications and manuscripts accepted for publication should not exceed 5. No page numbering is necessary for an appendix. **One set of appendices should accompany each copy of the proposal.**

1) *Letters of Support*

Original letters of support from all heads of departments, that might be affected by any aspect of the research should be included with the application. Relevant letters should demonstrate that investigators have access to the population and the use of facilities needed to conduct the study.

Individuals named as key personnel and consultants should submit letters of support acknowledging participation, including scope of work (responsibilities), compensation, level of commitment (percent effort), and duration of commitment.

2) *Instrument Permissions*

The use of any instruments not in the public domain requires the author's permission; a letter acknowledging that permission should be included with the application.

3. Research Fellow Awards

This award is to facilitate training in some aspect of research for master's-prepared Active Duty and Reserve Nurse Corps Officers, or to expand the research skills of *experienced* Active Duty and Reserve Nurse Corps nurse researchers.

Requirements

- Funds **may not** be requested for the purchase of equipment or salary for the research fellow. Funds may only be requested for the following categories: Personnel - to compensate non-Federal employee mentors, Consultant Costs, Supplies, Travel, and Other Expenses.
- The Fellow must devote at least 20% effort to work on the grant.
- The application must include a letter of support from the mentor and a letter of support from the Fellow's Commander (if applicable) for the proposed effort.

Applicants for Research Fellow Awards must use a **combination of PHS 398 and PHS 416-1 forms**. Applications for this award should consist of the following forms, ordered in the following fashion:

- Face Page (PHS 398 form);
- Form Page 2 (PHS 416-1 form);
- Table of Contents (PHS 416-1 Form Page 3);
- Scholastic Performance (PHS 416-1 Form Page 4);
- Background (PHS 416-1 Form Page 5);
- Research (PHS 416-1 Form Page 6);
- Biographical Sketch of Research Fellow (PHS 398 Biographical Sketch form);
- Biographical Sketch of Sponsor (PHS 416-1 Form Page 7);
- Facilities and Commitment (PHS 416-1 Form Page 8);
- Detailed Budget for Initial Budget Period (PHS 398 form);
- Budget for Entire Proposed Period of Support (PHS 398 form);
- Checklist Form Page (PHS 398 form); and
- Personal Data Form Page (PHS 398 form).

Applicants should use the PHS 416-1 Continuation Page if space beyond what is provided is needed to complete sections of the application.

The identified "Sponsor" should be the individual who will provide the mentoring experience to the fellow.

a. PHS 416-1 Form Page 2

1) *Applicant's Education*

List all degree programs beginning with baccalaureate or other initial professional education and licensure, to include degrees received or expected. Graduate students are evaluated on course work that supports the proposal and support from the committee chair.

2) Applicant's Training/Employment

List in chronological order all non-degree training, including postdoctoral research training, all employment after college, and military service.

3) Goals for Fellowship Training and Career

Explain training goals under the proposed grant and their relevance to the applicant's career goals. Identify the skills, theories, conceptual approaches, etc., to be learned or enhanced during the award. Describe how the proposed activities, including any research, will contribute to the achievement of these career goals. You may use a continuation page if necessary.

4) Research Proposal

Using only the space provided, present a succinct and accurate description of the proposed work. State the broad, long-term objectives and specific aims of the research proposal, referring to the health relatedness of the project. Describe concisely the research design and methods for achieving these goals. Do not summarize past accomplishments, and avoid the use of the first person.

b. PHS 416-1 Form Page 3 (Table of Contents)

The PHS 416-1 Table of Contents form has been modified to reflect TSNRP requirements for the Research Fellow Award. Only applicants for Research Fellow Awards should use this Table of Contents form.

a. PHS 416-1 Form Page 4 (Scholastic Performance)

List by institution and year all undergraduate and graduate courses with grades.

b. PHS 416-1 Form Page 5 (Background)

Applicants for Graduate Research Awards should complete only items 25a–26 on this page. Applicants for Research Fellow Awards must complete this entire form.

1) Prior and/or Current TSNRP Support

List all prior and current TSNRP support. List attendance at TSNRP educational events (i.e., grant writing workshops). List involvement with completed and current TSNRP-funded research projects.

2) Academic and Professional Honors

List any honors that would reflect upon the applicant's potential for a research career. Include current memberships in professional societies.

3) Application for Concurrent Support

Check the appropriate box. If the applicant has applied or will be applying for other support that would run concurrently with the period covered by this application, include the type, dates, source, and amount.

e. PHS 416-1 Form Page 6 (Research)

1) Research Experience

Summarize the applicant's research experience in chronological order, including the problems studied and conclusions. Specify which problems were part of a thesis or dissertation. If the applicant has no research experience, list other scientific experience. Do not list academic courses here. Do not exceed one page.

Summarize master's thesis or doctoral dissertation. Do not exceed one page.

In chronological order, starting with the most recent, list the applicant's entire bibliography, separating abstracts, book chapters, reviews, and research papers. If the list of publications cannot be accommodated within two pages, select only the most pertinent publications. For each publication, give the authors in published sequence, full title, journal, volume number, page numbers, and year of publication. Indicate if another name was previously used. Manuscripts pending publication or in preparation should be included and identified.

2) *Training Plan*

The Training Plan is the body of the proposal, specifying the allotment of time to activities and outlining the mentoring plan. This section should be well-formulated and presented in sufficient detail that it can be evaluated for both its research training potential and scientific merit. It is important that it be developed in collaboration with the sponsor, but it is to be written by the applicant.

Specify the activities (research, course work, etc.) the applicant will be involved in under the proposed award and the percentage of time to be devoted to each activity. The percentages (including the applicant's outside obligations) must not exceed 100 percent.

The following topics should be addressed in the Training Proposal:

- Background and Career Goals of the Fellow.
- Significance to Military Nursing Research.
- Specific Aims of the Training.
- Mentoring Plan:
 - Identify mentor and demonstrate mentor's extensive expertise in the selected area of study.
 - Formal mentoring plan, developed collaboratively with the mentor. This plan could include coursework, didactic training, and individualized counseling.
- Final Product: description of the final product to be delivered at the conclusion of the award. For example, publication, research proposal ready for submission, funded research award.

Describe the collaborative process between the sponsor and the applicant in the development, review, and editing of the Training Proposal described. Do not include the respective roles in accomplishing the proposed research.

Explain why the sponsor and institution were selected to accomplish the research training goals.

d. PHS 416-1 Form Page 7 (Biographical Sketch of Sponsor)

This form is to be completed by the applicant's sponsor. The Biographical Sketch page from the PHS 398 application may be substituted for this form. If the PHS 398 page is substituted, indicate on the Biographical Sketch the total number of publications.

e. PHS 416-1 Form Page 8 (Facilities and Commitment)

This form is to be completed by the applicant's sponsor.

4. Graduate Research Awards

Applicants for this award must include all required PHS 398 forms and four PHS 416-1 pages: Scholastic Performance (Form Page 4), Background (Form Page 5), Biographical Sketch of Sponsor (Form Page 7), and Facilities and Commitment (Form Page 8). **Refer to the table on page 13.** These pages are also provided in Appendix C. The supplemental pages should be added to the PHS 398 application as follows:

- Scholastic Performance page should follow the graduate student's PHS 398 Biographical Sketch page.
- Background page should follow the PHS 398 Scholastic Performance page.
- Facilities and Commitment page should follow the PHS 398 Resource page.

The documents are accessible online through the TSNRP web site <http://www.usuhs.mil/tsnrf/forms/index.html>. Some general instructions are provided below. The PI's name and rank should be listed at the top right corner of the PHS 416-1 forms.

The identified "sponsor" should be the faculty member with substantial oversight for the student's dissertational/thesis work (i.e., the chair of the dissertation/thesis committee). The TSNRP advises graduate students to:

- Inform the committee chair of the desire to apply for TSNRP funding.
- Secure the committee chair's written support of the proposal.
- Obtain assistance from the committee in preparing the proposal.
- Identify the resources needed to complete the study.

Funding in this award category is to assist the graduate student PI in defraying costs in all aspects of the budget *except personnel hired* to assist with data collection, statistical work, etc. Work done on the dissertation is part of the PI's graduate education, therefore it is expected that the PI will perform the work of the study. Transcription costs are permissible and should be listed under "Other Expenses."

c. PHS 416-1 Form Page 4 (Scholastic Performance)

List by institution and year all undergraduate and graduate courses with grades.

d. PHS 416-1 Form Page 5 (Background)

Applicants for Graduate Research Awards should complete only items 25a–26 on this page. Applicants for Research Fellow Awards must complete this entire form.

1) Prior and/or Current TSNRP Support

List all prior and current TSNRP support. List attendance at TSNRP educational events (i.e., grant writing workshops). List involvement with completed and current TSNRP-funded research projects.

2) Academic and Professional Honors

List any honors that would reflect upon the applicant's potential for a research career. Include current memberships in professional societies.

3) Application for Concurrent Support

Check the appropriate box. If the applicant has applied or will be applying for other support that would run concurrently with the period covered by this application, include the type, dates, source, and amount.

c. PHS 416-1 Form Page 7 (Biographical Sketch of Sponsor)

This form is to be completed by the applicant's sponsor. The Biographical Sketch page from the PHS 398 application may be substituted for this form. If the PHS 398 page is substituted, indicate on the Biographical Sketch the total number of publications.

d. PHS 416-1 Form Page 8 (Facilities and Commitment)

This form is to be completed by the applicant's sponsor.

f. Letter of Support

A letter from the student's thesis or dissertation committee chair must be included in the application, and it must include statements that the proposal has been approved and/or defended and that the student has met the school's requirements for thesis or dissertation proposal defense.

5. Fast Track Awards

This award is to assist **experienced** Active Duty nurse researchers in facilitating rapid implementation of short-term research of emerging **service-specific** questions or concerns. Applicants for Fast Track Awards must complete all required PHS 398 forms. Applicants should follow the instructions for completion of the PHS 398 forms, with the exception of guidelines for preparing the Abstract and Research Plan. There are specific requirements for these components of the application.

a. Abstract

The abstract is the "Description" section of the PHS 398 Form Page 2, "Description, Performance Sites, and Key Personnel." The abstract should be a brief, stand-alone description of the project, of fewer than 250 words, including a statement of the aims/objectives of the study, hypotheses or research questions, theoretical framework (if applicable), research design, sample, data collection methods, and plan for statistical analysis.

b. Research Plan

The research plan should not exceed 10 pages. Listed below are the topics that should be addressed in the Research Plan. Guidelines are provided for each topic. The PI should address only topics applicable to the proposed research.

1) *Purpose/Objectives/Specific Aims*

List and discuss the purpose/objectives/specific aims of the study.

2) *Hypotheses/Research Questions*

State the specific hypotheses or research questions to be tested.

3) *Significance*

State concisely the importance and health relevance of the research by relating the specific aims to the broad, long-term objectives. State the practical application(s).

4) *Military Relevance*

With regard to military needs and mission requirements (e.g., Readiness, TriCare, Building Healthy Communities), this section should provide a brief and succinct military justification for the research.

5) *Background/Review of Literature*

Briefly describe the background leading to the present study. Critically evaluate existing knowledge and identify the gaps that the project is intended to fill.

6) *Preliminary Studies/Progress Report*

Highlight preliminary work the research team has done in the proposed area of study. Relevant data from unpublished research should be included in this section. Describe what the data show and why the findings to date are significant to the proposed work. If necessary, selectively include in the appendices related materials from any published work.

7) *Research Design, Methods, and Randomization Process*

Describe how the research is designed to answer the hypotheses/research questions and how the research is to be conducted. Be very specific as to who will perform what procedure, how each procedure will be performed, and the sequence of the procedure in the overall study. Be sure to indicate whether or not the specific procedures are “Standard of Care” (i.e., would be done even if the subject were not included in the study). Describe the study arms, the randomization points (i.e., at study entry or later), and the criteria for patient stratification.

8) *Data Collection and Measurement*

Describe data to be collected, data collection procedures, any required data collection forms, how the data obtained will be stored, and procedures for safeguarding confidential subject information. Define what measurements (operational definitions, independent and dependent variables) the study will evaluate to answer the research question. Describe the accuracy and precision of equipment that will be used to measure the outcome variables. Include information on the reliability and validity of surveys or questionnaires; include a copy of the survey/questionnaire.

9) *Target Sample, Sample Size, and Inclusion/Exclusion Criteria*

Describe the characteristics of the target population, including their anticipated age range and health status. Include a sample size estimation/power analysis. State the anticipated effect size and alpha level. Indicate the number of subjects to be enrolled and the distribution of subjects among data collection sites. List inclusion/exclusion criteria and rationale.

10) Human Subject Protection, Recruitment, Benefits, Risks, and Risk/Benefit Assessment

All subjects should be treated in compliance with human subjects protection regulations and applicable DoD, Food and Drug Administration, and Health and Human Services guidelines. Describe how subjects will be recruited and the consent procedure; include the circumstances under which consent will be sought and obtained. Describe the potential risks or discomforts (physical, psychological, social, legal, or other) and assess their likelihood and seriousness. Describe the potential benefits to subjects or to others that may reasonably be expected from the research. Discuss why the risks to the subjects are reasonable in relationship to the anticipated benefits to the subjects and in relation to the importance of the knowledge that may reasonably be expected to result.

11) Vertebrate Animals

Research involving the use of animals must be conducted at a facility accredited by the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC).

12) Data Analysis

Describe the data analysis strategy, including the statistical tests or procedures to be used with each variable or group of variables and/or each hypothesis/research question. Identify and discuss any assumptions made (variability of instrumentation, analytical detectable limits, etc.). Identify who will be responsible for final data analysis.

13) Timeline

Provide a detailed timeline delineating the proposed progression of the study, to include major tasks/milestones and the period within which they will be accomplished. Identify any distinct phase points (subject accrual, treatment phase, follow-up, data analysis, etc.). A sample timeline is provided in Appendix D.

14) Reference List

Cite referenced literature.

There is a customized PHS 398 Table of Contents form for the Fast Track Award (see Appendix D), including the Research Plan's required topics. This document is accessible online through the TSNRP web site <http://www.usuhs.mil/tsnrp/forms/index.html>.

VIII. PROPOSAL EVALUATION

A. REVIEW PROCESS

The review process for applications varies according to the award type. Proposals for Novice Investigator, 1-, 2-, and 3-Year, Pilot Project, Graduate Research, and Research Fellow Awards undergo a two-tiered review process: scientific merit review and programmatic review.

Applications for Fast Track Awards undergo a one-tiered review process independent from the review of applications for other award types. Outcomes from all reviews guide funding decisions made by the TSNRP's Executive Board of Directors. Throughout the review and decision process, confidentiality and conflict-of-interest measures are enforced.

1. Review of Novice Investigator, 1-, 2-, 3-Year, Pilot Project, and Research Fellow Awards

The scientific merit review is a *criterion*-based process by which individual proposals are evaluated and scored. The review scores proposals on a scale of 1–5 (in intervals of 0.1); the scoring scale is as follows:

<u>Rating Range</u>	<u>Adjective</u>
1.0–1.5	Outstanding
1.6–2.0	Excellent
2.1–2.5	Very Good
2.6–3.5	Good
3.6–5.0	Fair

a. Scientific Merit Review

During scientific merit review, each proposal is evaluated for scientific and technical merit, without regard for the other proposals under consideration.

A Scientific Review Panel (SRP), consisting of a panel chair and civilian and military nurse scientists, is responsible for reviewing, discussing, and scoring the scientific merit of proposals. Panel members are selected from the nursing and healthcare communities based on their research, work experience, and publication history. Two reviewers with expertise in the subject area are selected to evaluate each proposal and provide written evaluations. During the scientific merit review, the reviewers present the proposal, their reviews, and scores to the entire SRP. The panel discusses the proposal; each panel member then scores the proposal individually. The final score is a mean of all panel members' scores.

Military nurse scientists participate in the scientific merit review, but do not score the proposals. Military nurse scientists from one or more services are selected to evaluate proposals for military relevance and feasibility of the research from a military perspective. In reviewing a proposal, the military nurse scientist considers the potential contribution of the proposed research to military nursing, the importance of the research problem to military healthcare, the feasibility of a military research team conducting the proposed research, including the “Time on Station” of military research team members, and the feasibility of accessing and recruiting the proposed sample. The military nurse scientist presents his/her findings to the SRP prior to the scoring of the proposal. During the panel discussion, the military nurse scientists advise the SRP on military-specific concerns.

1) Criteria Used in Evaluating Novice Investigator, 1-, 2-, and 3-Year, and Pilot Project Awards

- Original, innovative, and applicable to military healthcare:
 - Reviewers assess originality of the nursing research problem, including whether or not new concepts, approaches, or methods are used.
 - Reviewers assess the innovation in translation or applicability of previous findings to answer military nursing or healthcare problems.
- Hypothesis/research question, rationale, and research strategy:
 - Reviewers assess strengths and weaknesses of the study’s design and determine whether the research will likely reach its stated goal.
 - Reviewers assess appropriateness, feasibility, and adequacy of the approach, research design, and methodology.
- Preliminary data (if applicable).
- Scientific relevance and potential contributions:
 - Reviewers evaluate the potential contribution to nursing and the importance of the research problem addressed. Reviewers also address strengths and weaknesses of these important criteria.
- Reliability and validity of data collection instruments.
- Qualifications of PI and research team:
 - Reviewers evaluate the training and track record of all investigators playing a key role in the proposal. Reviewers note the following for each key individual: name, degree(s), title, field of training or experience, publication record, ability to conduct the research, and whether or not the investigator is a student in an academic program. They also note any missing expertise required for the research.
- Availability of appropriate resources and an environment conducive to successful completion of the project:
 - Reviewers assess the intellectual and physical environment provided by the institution, to include: equipment, space, computers, library, germane facilities, ongoing research, opportunities for interaction with other knowledgeable colleagues, and military environment feasibility. The reviewers list apparent strengths and weaknesses in the environment.
- Soundness of the proposed budget:
 - Reviewers evaluate completeness and accuracy of the budget.
 - Reviewers evaluate the reasonableness of requested personnel costs, equipment, and supplies.
 - Reviewers may recommend budget modifications.
- Publications:
 - Reviewers assess the investigator(s)’ peer-reviewed publication history.

2) *Criteria Used in Evaluating Research Fellow Awards*

- Candidate qualifications:
 - Reviewers assess the quality of the candidate’s academic record.
- Mentor qualifications:
 - Reviewers assess the appropriateness of the mentor’s qualifications in the topic of study.
 - Reviewers assess the quality and extent of mentor’s proposed role in providing guidance and advice to the candidate.
 - Reviewers assess the previous experience in fostering the development of researchers.
 - Reviewers assess the history of research, productivity, and support.
- Mentoring Plan:
 - Reviewers assess the likelihood that the career development plan will contribute substantially to the professional development of the candidate.
 - Reviewers assess the appropriateness of the content and duration of the proposed training.
 - Reviewers assess the quality of the proposed training.
- Environment:
 - Reviewers assess the command’s support for release time for the training.
 - Reviewers assess the adequacy of facilities.
 - Reviewers assess the availability of appropriate educational opportunities.
 - Reviewers assess the quality and relevance of the environment for scientific and professional development of the candidate.
- Budget:
 - Reviewers assess the justification of the requested budget in relation to career development goals and research aims.

b. Programmatic Review

The TSNRP Advisory Council, consisting of one Active Duty and one Reserve member from each service, conducts the programmatic review. Programmatic review is both a *criterion-* and *comparison-*based process in which individual proposals are evaluated for relevance to the TSNRP portfolio with regard to the other proposals under consideration. The review scores proposals on a scale of 1–5 (in intervals of 0.1); the scoring scale is as follows:

<u>Rating Range</u>	<u>Adjective</u>
1.0–1.5	Outstanding
1.6–2.0	Excellent
2.1–2.5	Very Good
2.6–3.5	Good
3.6–5.0	Fair

Council members review portions of the proposals and the outcomes of the scientific merit review. One member is selected to provide a written evaluation for each proposal; a second member also scores the proposal. During the programmatic review, the primary reviewer presents the proposal, the review, and the score to the entire panel; the secondary reviewer presents the proposal’s score and justification. The entire council discusses the proposal and then agrees on a final score.

1) *Criteria Used in Evaluating Novice Investigator, 1-, 2-, and 3-Year, and Pilot Project Awards*

Reviewers assess:

- Military uniqueness.
 - Operational readiness.
 - Relevance to the TSNRP portfolio; proposals are compared on this criterion.
 - Military relevance.
 - Strengths and stability of the investigative team.
 - Potential benefit of the proposed research relative to the proposed budget.
 - The investigators' military experience and both military and civilian education.
- a) Criteria applicable only to previously funded PI:
- Past performance history: Reviewers evaluate the PI's compliance with the terms and conditions of previous award(s) and compliance with reporting requirements.
 - Dissemination efforts: Reviewers evaluate the PI's efforts at disseminating TSNRP-funded research findings, including papers and poster presentations. *TSNRP expects timely publication of findings in peer-reviewed journals.*

2) *Criteria Used in Evaluating Research Fellow Awards*

- Reviewers assess the candidate's commitment to military nursing research.
- Significance to military nursing research: Reviewers assess the consistency of the career development plan with the candidate's career goals and prior research experience.
 - Retain-ability.
- Environment: Reviewers assess the command's support .

Based on programmatic review, the Advisory Council makes recommendations for funding to the Executive Board of Directors.

c. Funding Decisions

Final determinations for funding are made by the Executive Board of Directors comprising the Chief of the Army Nurse Corps and the Directors of the Navy and Air Force Nurse Corps. Funding decisions are based upon the mission and focus areas of the TSNRP, outcomes of the scientific merit and programmatic reviews, and recommendations of the Advisory Council. Applicants for the 1-, 2-, and 3-Year, Pilot Project, Novice Investigator, and Research Fellow Awards should expect to be notified of their proposals' funding status in April 2005.

As the funding decisions are separate from the scientific review process, decisions may not be appealed.

2. Review of Graduate Research Awards

a. Programmatic Review

- Scientific merit.
- Feasibility and scope of study.
- Military relevance: timeliness of the topic.
- Applicant's potential to develop as a nurse researcher.
- In determining the graduate student's ability to carry out the proposed research, the reviewers also consider:
 - The student's research education to date.
 - Expected course work.
 - The availability of guidance by the student's sponsor.
 - Support letter from the dissertation or thesis committee chair.

b. Funding Decision

Final determinations for funding are made by the Executive Board of Directors, based upon TSNRP's mission and focus areas and the outcomes and recommendations of the programmatic review by the Advisory Council.

As the funding decisions are separate from the scientific review process, decisions may not be appealed.

3. Review of Fast Track Awards

a. Programmatic Review

- Scientific merit.
- Feasibility and scope of study.
- Military relevance: timeliness of the topic.

b. Funding Decision

Final determinations for funding are made by the Executive Board of Directors, based upon TSNRP's mission and focus areas and the outcomes and recommendations of the programmatic review by the Advisory Council.

As the funding decisions are separate from the scientific review process, decisions may not be appealed.

IX. ADDITIONAL INFORMATION

A. PROPOSAL TOPIC CONSULTATION

Applicants may contact service-specific Research Consultants/Specialty Leaders to discuss proposal topics or the development of a proposal topic to determine if a proposed topic would be of interest to the military services. Names and contact information of the Research Consultants/Specialty Leaders are listed in Appendix F.

B. CHANGES IN ADDRESS OR STATUS OF PRINCIPAL INVESTIGATOR

To keep records up-to-date, the PI must inform the TSNRP office of any changes in mailing address, phone number, fax number, e-mail address, military assignment, or rank. Not reporting a change in address could delay the PI's receipt of funding decision notification. Updated information can be submitted online at <http://www.usuhs.mil/tsnrp/updatecontact.html>, or by mail to the following address:

CDR Patricia W. Kelley, NC, USN, DNSc, RN, FNP, GNP, FAANP
Executive Director
TriService Nursing Research Program
Uniformed Services University
4301 Jones Bridge Road
Bethesda, MD 20814-4799

The PI should also notify the applicant organization managing the grant of any of the aforementioned changes.

C. CHANGES IN KEY PERSONNEL, WORK EFFORT, OR JOB RESPONSIBILITIES

The PI is responsible for knowing the percent effort and job responsibilities of all personnel associated with the research. Any changes after funding in percent effort or job responsibilities, as well as the addition or removal of key personnel, require approval from TSNRP prior to the change.

D. CONTRACT VENDOR REGISTRY

Effective 1 June 1998, all applicant organizations (i.e., grantees) doing business with the DoD must be registered in the Central Contractor Registration (CCR). Through this DoD registry, the applicant organization receives a Trading Partner Identification Number (TPIN). The CCR is designed to be a single point of registration for all DoD grantees.

Any applicant organization currently representing a funded TSNRP grant should already be registered in the CCR. If this is the first time that an applicant organization is receiving DoD funding, then it may be necessary for the applicant organization to register. **The PI should ensure that the applicant organization representing the proposal is registered in the CCR.** The CCR is accessible online through <http://www.ccr.gov>.

Prior to executing the grant agreement, an applicant organization must have a TPIN. If an applicant organization is uncertain if it is registered or wants information on how to register, the signing official may call the TSNRP office.

E. ETHICAL ISSUES

Nurse investigators must consider many areas such as human subjects protection, scientific integrity, stewardship of funds, implications of new findings, and authorship when thinking of applying for a grant. Careful attention must be given to acknowledging and accurately citing work done by others, including abstracted and annotated writings. These are not always straightforward issues and require careful consideration.

Another matter of concern is the issue of “fronted” studies. “Fronted” studies are projects prepared by a non-eligible investigator and submitted under an eligible applicant’s name in an attempt to obtain funding for research that would normally not be funded by the granting agency. Such submissions are inappropriate and once identified will not be funded.

Once proposals are approved for funding, they are closely monitored throughout the award period. Lack of investigational progress, evidence of misuse of funds, or other scientific misconduct are subject to review and can result in serious repercussions for the investigator and the applicant organization.

APPENDIX A

TSNRP AWARD HISTORY

Year	Total Appropriated (Millions)	Proposals Received	Proposals Funded
1992	1 M	66	8 (12%)
1993	2 M	58	22 (38%)
1994	3 M	40	24 (60%)
1995	5 M	79	23 (29%)
1996	5 M	61	29 (48%)
1997	5 M	53	30 (57%)
1998	5 M	63	27 (43%)
1999	5 M	44	19 (43%)
2000	6 M	36	19 (53%)
2001	4 M	35	11 (31%)
2002	6 M	48	18 (38%)
2003	6 M	33	15 (45%)
2004	6 M	44	20 (44%)

APPENDIX B

NONPROFIT ORGANIZATIONS

Principal Investigators should directly contact non-profit organizations for their indirect cost rate and services provided.

Henry M. Jackson Foundation for the Advancement of Military Medicine
1401 Rockville Pike, Suite 600
Rockville, MD 20852-2007
Phone: 301-424-0800
Office of Sponsored Programs
<http://www.hjf.org>

Applicants choosing the Henry M. Jackson Foundation must obtain Guest Scientist status from the Foundation.

The Geneva Foundation
3315 South 23rd Street, Suite 209
Tacoma, WA 98405
Phone: 253-383-1398
Attn: Donna T. Luinstra
Executive Director
<http://www.thegenevafoundation.org>

T.R.U.E. Research Foundation
8610 N. New Braunfels, Suite 705
San Antonio, TX 78217-6359
Phone: 210-829-1239
Toll Free: 888-329-1239
Attn: Terri Nakamura
Research Director
<http://www.trueresearch.org>

Facilitators of Applied Clinical Trials (FACT) Foundation
85 NE Loop 410, Suite 612
San Antonio, TX 78216
Attn: Hugh F. Mulligan
President & CEO
210 377-3915

APPENDIX C

FORMS

TSNRP FORMS

- Letter of Intent to Submit Application
- Grant Application Cover Sheet
- Relevance to Military Nursing
- Recommendations and Revisions for FY __ Submission

PHS 398 SAMPLE FORMS

General Use

- PHS 398 Face Page
- PHS 398 Detailed Budget Page for Initial Budget Period
- PHS 398 Budget Page for Entire Proposed Project Budget Period
- PHS 398 Checklist (usually completed by the applicant organization)

Fast Track Awards

- PHS 398 Table of Contents – Modified

PHS 416-1 Forms

Graduate Research Awards

- PHS 416-1 Pages
 - Scholastic Performance (Form Page 4)
 - Background (Form Page 5)
 - Biographical Sketch of Sponsor (Form Page 7)
 - Facilities and Commitment (Form Page 8)

Research Fellow Awards

- PHS 416-1 Pages
 - Form Page 2
 - Table of Contents (Form Page 3)
 - Scholastic Performance (Form Page 4)
 - Background (Form Page 5)
 - Research (Form Page 6)
 - Biographical Sketch of Sponsor (Form Page 7)
 - Facilities and Commitment (Form Page 8)

TSNRP Forms

Letter of Intent to Submit Application

Grant Application Cover Sheet

Relevance to Military Nursing

Recommendations and Revisions for FY __ Submission

I intend to submit a grant application in response to the TriService Nursing Research Program **FY 2005-A Call for Proposals**.

First Name:

Last Name:

Rank:

Service Branch:

Mailing Address:

E-mail Address:

Telephone:

Fax:

Proposal's Working Title:

Research Objectives:

Study Population/Sample:

Study Design:

Analysis Plan:

Performance Site(s):

Research Team (if known) and Roles:

Type of Award:

- Novice Investigator
- 1-year study
- 2-year study
- 3-year study
- Pilot Project
- Graduate Research
- Research Fellow
- Fast Track

Applicant Organization:

TRISERVICE NURSING RESEARCH PROGRAM
GRANT APPLICATION COVER SHEET
(Please type or print)

Principal Investigator: _____ **Rank:** _____
(Last, First, Middle Initial)

Branch of Service and Component:

<input type="checkbox"/> ARMY	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> RESERVE	<input type="checkbox"/> GUARD	<input type="checkbox"/> RETIRED
<input type="checkbox"/> NAVY	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> RESERVE	<input type="checkbox"/> GUARD	<input type="checkbox"/> RETIRED
<input type="checkbox"/> AIR FORCE	<input type="checkbox"/> ACTIVE	<input type="checkbox"/> RESERVE	<input type="checkbox"/> GUARD	<input type="checkbox"/> RETIRED

HOME ADDRESS

Phone: _____ **FAX:** _____

E-mail: _____

MILITARY ASSIGNMENT

Position Title: _____

Duty Station/Unit: _____

Address: _____

DSN: _____

Commercial: _____

FAX: _____

E-mail: _____

CIVILIAN POSITION (if applicable):

Position Title: _____

Address: _____

Phone: _____ **FAX:** _____

E-mail: _____

Preferred Contact Address/Phone/FAX/E-mail (check one): Home Military Civilian

Nursing Specialty (check all that apply):

ICU Med-Surg OR Pediatric OB GYN Psych Nurs. Admin.

Community Health Other (specify) _____

Category of award for this application (check one):

- Novice Investigator Award
- 1-Year Award
- 2-Year Award
- 3-Year Award
- Pilot Project Award
- Graduate Research Award
- Research Fellow Award
- Fast Track Award

Identify the main research priority that is investigated in this proposal
(see FY 2005-A Call for Proposals Part III “Research Priorities”):

Research Priority Area: _____

Identify 2-3 key words relating to the proposal:

Study Population (check all that apply):

- | | | |
|------------------------------------|------------------------------------|-----------------------------------|
| Active Duty | Reserve | Beneficiaries |
| <input type="checkbox"/> ARMY | <input type="checkbox"/> ARMY | <input type="checkbox"/> Spouses |
| <input type="checkbox"/> NAVY | <input type="checkbox"/> NAVY | <input type="checkbox"/> Children |
| <input type="checkbox"/> AIR FORCE | <input type="checkbox"/> AIR FORCE | <input type="checkbox"/> Retiree |
| | <input type="checkbox"/> GUARD | <input type="checkbox"/> Elderly |

Is this application a revision of a previously submitted application? Yes No

Indicate the year of application and title of project:

Year	Title

Have you applied as a Principal Investigator for TSNRP support in the past? Yes No

Indicate the year of application, title of project, proposal number (e.g., N96-100) and whether or not project was funded:

Year	Title	Proposal Number	Funded? (Yes/No)
Attach list if additional space is needed			

PIs previously funded by TSNRP must report, as attached pages, dissemination efforts related to each of their TSNRP-funded studies. For each presentation report: Presentation Title, Type (e.g., poster/podium/other), Author Name, Venue (e.g., Conference Name), Date, Location (City, State/Country). For each publication report: Type (e.g. journal, newsletter, policy paper), Author Line, Publication Title, Source Title, and Date. Provide full journal citations (if applicable), using APA format. Provide publication status (e.g., published, in review, or in press).

Have you received grant writing support from attendance at a TSNRP-sponsored grant writing workshop, or the online course “Research and Proposal Savvy via Distance Learning (RAPPS)”? Yes No

Date	Method of learning	Location (if workshop)

How and when did you first learn of TSNRP funding opportunities?

TRISERVICE NURSING RESEARCH PROGRAM

RELEVANCE TO MILITARY NURSING

DIRECTIONS: In the space provided below, please state the relevance of the proposed research to military nursing and how the research will expand the body of military scientific knowledge or military nursing practice.

DO NOT EXCEED THIS SPACE.

**TRISERVICE NURSING RESEARCH PROGRAM
RECOMMENDATIONS AND REVISIONS FOR FY SUBMISSION**

Introduction:

This Revised proposal is submitted in response to concerns outlined by TSNRP reviewers. The applicant greatly appreciates the vital comments and hopes the recommendations are addressed adequately in this revised application. The table summarizes responses to review concerns, identifies the proposed solution(s), and references the location of the amendments.

Major Concerns from Scientific Review

REVIEWER'S SUGGESTION	CHANGES MADE	PAGES SHOWING RELEVANT CHANGES
Match aims to an analysis plan.	Aims have been modified.	A, p. 29; D p 44-49

Major Concerns from Programmatic Review

REVIEWER'S SUGGESTION	CHANGES MADE	PAGES SHOWING RELEVANT CHANGES
Rationale	Rationale has been expanded, including an explanation as to how this group may not differ from previously studied groups, but that the circumstances have changed since 10 years ago.	B, 5 p 39

Primary Reviewer's Evaluative Comments

REVIEWER'S SUGGESTION	CHANGES MADE	PAGES SHOWING RELEVANT CHANGES
Power analysis.	Power analysis has been added.	C, p 43-44

Secondary Reviewer's Evaluative Comments

REVIEWER'S SUGGESTION	CHANGES MADE	PAGES SHOWING RELEVANT CHANGES
Preliminary study does little to provide a background for the proposal.	Applicant's previous research experience and how it contributed to the development of the proposal is discussed, pilot study information added.	C, p 39-44

Military Reviewer's Evaluative Comments

REVIEWER'S SUGGESTION	CHANGES MADE	PAGES SHOWING RELEVANT CHANGES
Dissemination plan lacking.	Dissemination plan added.	E 6, p 54

PHS 398 Sample Forms

Profile:

Active Duty PI

2-year study

Nonprofit Organization

Forms:

Face Page

Detailed Budget for Initial Budget Period (Year 1)

Detailed Budget for Year 2)

Budget for Entire Proposed Project Period

Checklist

Department of Health and Human Services Public Health Services <h2 style="margin: 0;">Grant Application</h2> <p style="margin: 0; font-size: small;">Follow instructions carefully. Do not exceed 56-character length restrictions, including spaces.</p>		LEAVE BLANK—FOR PHS USE ONLY.				
		Type	Activity	Number		
		Review Group		Formerly		
		Council/Board (Month, Year)		Date Received		
1. TITLE OF PROJECT An Intervention for Nurses with Bad Exercise Behaviors						
2. RESPONSE TO SPECIFIC REQUEST FOR APPLICATIONS OR PROGRAM ANNOUNCEMENT OR SOLICITATION <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <i>(If "Yes," state number and title)</i> Number: N/A Title: TriService Nursing Research Program						
3. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR			New Investigator <input type="checkbox"/> No <input type="checkbox"/> Yes			
3a. NAME (Last, first, middle) Murphy, Patricia		3b. DEGREE(S) RN, MN PhD				
3c. POSITION TITLE Nurse Researcher		3d. MAILING ADDRESS (Street, city, state, zip code) 124 Challenger Street America City, MD 12345-0000 E-MAIL ADDRESS: lpaul@bestevernetwork.com				
3e. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT Nursing Research Department						
3f. MAJOR SUBDIVISION Nursing						
3g. TELEPHONE AND FAX (Area code, number and extension) TEL: (123) 456-7890 FAX: (123) 098-7654						
4. HUMAN SUBJECTS RESEARCH <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		4a. Research Exempt <input type="checkbox"/> No <input type="checkbox"/> Yes If "Yes," Exemption No. _____		5. VERTEBRATE ANIMALS <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		4b. Human Subjects Assurance No.	4c. NIH-defined Phase III Clinical Trial <input type="checkbox"/> No <input type="checkbox"/> Yes		5a. If "Yes," IACUC approval Date	5b. Animal welfare assurance no
6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year—MM/DD/YY) From 6/1/04 Through 5/31/06		7. COSTS REQUESTED FOR INITIAL BUDGET PERIOD 7a. Direct Costs (\$) \$130,976		8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT 7b. Total Costs (\$) \$245,353 8a. Direct Costs (\$) \$245,353 8b. Total Costs (\$) \$269,889		
9. APPLICANT ORGANIZATION Name Acme Foundation Address 9876 Beausoleil Street, Suite 1 America City, MD 12346 Institutional Profile File Number (if known)			10. TYPE OF ORGANIZATION Public: → <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local Private: → <input checked="" type="checkbox"/> Private Nonprofit For-profit: → <input type="checkbox"/> General <input type="checkbox"/> Small Business <input type="checkbox"/> Woman-owned <input type="checkbox"/> Socially and Economically Disadvantaged			
			11. ENTITY IDENTIFICATION NUMBER 12-3456789 DUNS NO. (if available) Congressional District 6			
12. ADMINISTRATIVE OFFICIAL TO BE NOTIFIED IF AWARD IS MADE Name Kay Ginn Title Director Address Acme Foundation 9876 Beausoleil Street, Suite 1 America City, MD 12346 Tel (123) 567-8904 FAX (123) 567-8901 E-Mail kayginn@acmefoundation.org			13. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION Name Kay Ginn Title Director Address Acme Foundation 9876 Beausoleil Street, Suite 1 America City, MD 12346 Tel (123) 567-8904 FAX (123) 567-8901 E-Mail kayginn@acmefoundation.org			
14. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR ASSURANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. I agree to accept responsibility for the scientific conduct of the project and to provide the required progress reports if a grant is awarded as a result of this application.			SIGNATURE OF PI/PD NAMED IN 3a. <i>(In ink. "Per" signature not acceptable.)</i>		DATE	
15. APPLICANT ORGANIZATION CERTIFICATION AND ACCEPTANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Services terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.			SIGNATURE OF OFFICIAL NAMED IN 13. <i>(In ink. "Per" signature not acceptable.)</i>		DATE	

Principal Investigator/Program Director (Last, first, middle): Murphy, Patricia Col

DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY					FROM 6/1/2004	THROUGH 5/31/2005	
PERSONNEL <i>(Applicant organization only)</i>		TYPE APPT. <i>(months)</i>	% EFFORT ON PROJ.	INST. BASE SALARY	DOLLAR AMOUNT REQUESTED <i>(omit cents)</i>		
NAME	ROLE ON PROJECT				SALARY REQUESTED	FRINGE BENEFITS	TOTAL
Patricia Murphy	Principal Investigator	12	5.0	79,308	WOC	WOC	WOC
Julie Roberts	Co-I	12	5.0	64,689	WOC	WOC	WOC
Deborah Perkins	Project Director	12	100.0	64,500	64,500	16,125	80,6250
To be hired	RA	12	50.0	31,000	15,500	3,875	19,375
S.Tatsisme	Statistician	2	25.0	61,000	2,542	635	3,177
SUBTOTALS →					82,542	20,635	103,177
CONSULTANT COSTS							
Dr. Ima Expert - 1 day on-site consultation						4,000	4,000
EQUIPMENT <i>(Itemize)</i>							
Random Zero Sphygmanometer \$900 x 2						1,800	
Ambulatory BP Mon Sys \$150/monitor x 103						15,450	
Scanner						799	
							18,049
SUPPLIES <i>(Itemize by category)</i>							
Office Supplies \$100/mon x 12 mon \$1,200							
3-drawer filing cabinet \$350							
							1,550
TRAVEL							
Consultant travel							1,200
PATIENT CARE COSTS		INPATIENT					0
		OUTPATIENT					0
ALTERATIONS AND RENOVATIONS <i>(Itemize by category)</i>							
None							0
OTHER EXPENSES <i>(Itemize by category)</i>							
Duplication Costs \$1,200							
Telephone Line for Downloading Data \$480							
Postage \$720							
Advertising for Personnel hiring (Research Assistant) \$600							3,000
SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD							\$130,976
CONSORTIUM/CONTRACTUAL COSTS		DIRECT COSTS					0
		FACILITIES AND ADMINISTRATIVE COSTS					0
TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD <i>(Item 7a, Face Page)</i> →							\$130,976
SBIR/STTR Only: FIXED FEE REQUESTED							

DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY					FROM 6/1/2005	THROUGH 5/31/2006		
PERSONNEL (Applicant organization only)		TYPE APPT. (months)	% EFFORT ON PROJ.	INST. BASE SALARY	DOLLAR AMOUNT REQUESTED (omit cents)			
NAME	ROLE ON PROJECT				SALARY REQUESTED	FRINGE BENEFITS	TOTAL	
Patricia Murphy	Principal Investigator	12	5.0	79,308	WOC	WOC	WOC	
Julie Roberts	Co-I	12	5.0	64,689	WOC	WOC	WOC	
Deborah Perkins	Project Director	12	100.0	64,500	64,500	16,125	80,625	
To be hired	RA	12	50.0	31,000	15,500	3,875	19,375	
S.Tatsisme	Statistician	2	25.0	61,000	2,542	635	3,177	
SUBTOTALS →					82,542	20,635	103,177	
CONSULTANT COSTS								
Dr. Ima Expert – 1.25 day on-site consultation						6,000	6,000	
EQUIPMENT (Itemize)								
0								
SUPPLIES (Itemize by category)								
Office Supplies \$100/mon x 12 mon \$1,200							1,200	
TRAVEL								
Principal Investigator travel to National Conference (year 2)						1,500	1,500	
PATIENT CARE COSTS		INPATIENT					0	0
		OUTPATIENT					0	0
ALTERATIONS AND RENOVATIONS (Itemize by category)								
None								
0								
OTHER EXPENSES (Itemize by category)								
Duplication Costs \$1,200								
Presentation preparation \$250								
Communication Costs \$720								
Manuscript preparation \$330							2,500	
SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD							\$114,377	
CONSORTIUM/CONTRACTUAL COSTS		DIRECT COSTS					0	0
		FACILITIES AND ADMINISTRATIVE COSTS					0	0
TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD (Item 7a, Face Page) →							\$114,377	
SBIR/STTR Only: FIXED FEE REQUESTED								

Principal Investigator/Program Director (Last, first, middle): Murphy, Patricia Col

**BUDGET FOR ENTIRE PROPOSED PROJECT PERIOD
DIRECT COSTS ONLY**

BUDGET CATEGORY TOTALS		INITIAL BUDGET PERIOD (from Form Page 4)	ADDITIONAL YEARS OF SUPPORT REQUESTED			
			2nd	3rd	4th	5th
PERSONNEL: <i>Salary and fringe benefits. Applicant organization only.</i>		103,177	103,177	0	0	0
CONSULTANT COSTS		4,000	6,000	0	0	0
EQUIPMENT		18,049	0	0	0	0
SUPPLIES		1,550	1,200	0	0	0
TRAVEL		1,200	1,500	0	0	0
PATIENT CARE COSTS	INPATIENT	0	0	0	0	0
	OUTPATIENT	0	0	0	0	0
ALTERATIONS AND RENOVATIONS		0	0	0	0	0
OTHER EXPENSES		3,000	2,500	0	0	0
SUBTOTAL DIRECT COSTS		130,976	114,377	0	0	0
CONSORTIUM/ CONTRACTUAL COSTS	DIRECT	0	0	0	0	0
	F&A	0	0	0	0	0
TOTAL DIRECT COSTS		130,976	114,377	0	0	0

TOTAL DIRECT COSTS FOR ENTIRE PROPOSED PROJECT PERIOD (Item 8a, Face Page) \$ 245,353

*SBIR/STTR Only
Fixed Fee Requested*

SBIR/STTR Only: Total Fixed Fee Requested for Entire Proposed Phase II Period

(Add Total Fixed Fee amount to "Total direct costs for entire proposed project period" above and Total F&A/indirect costs from Checklist Form Page, and enter these as "Costs Requested for Proposed Period of Support on Face Page, Item 8b.)

\$

JUSTIFICATION. Follow the budget justification instructions exactly. Use continuation pages as needed.

Principal Investigator/Program Director (Last, first, middle): Murphy, Patricia Col

CHECKLIST

TYPE OF APPLICATION (Check all that apply.)

- NEW application. (This application is being submitted to the PHS for the first time.)
- SBIR Phase I SBIR Phase II: SBIR Phase I Grant No. _____ SBIR Fast Track
 STTR Phase I STTR Phase II: STTR Phase I Grant No. _____ STTR Fast Track
- REVISION of application number: _____

(This application replaces a prior unfunded version of a new, competing continuation, or supplemental application.)

- COMPETING CONTINUATION** of grant number: _____
 (This application is to extend a funded grant beyond its current project period.)
- SUPPLEMENT** to grant number: _____
 (This application is for additional funds to supplement a currently funded grant.)
- CHANGE** of principal investigator/program director.
 Name of former principal investigator/program director: _____
- FOREIGN** application or significant foreign component.

INVENTIONS AND PATENTS
 (Competing continuation appl. and Phase II only)

No Previously reported
 Yes. If "Yes," Not previously reported

1. PROGRAM INCOME (See instructions.)

All applications must indicate whether program income is anticipated during the period(s) for which grant support is request. If program income is anticipated, use the format below to reflect the amount and source(s).

Budget Period	Anticipated Amount	Source(s)
N/A	0	N/A

2. ASSURANCES/CERTIFICATIONS (See instructions.)

The following assurances/certifications are made and verified by the signature of the Official Signing for Applicant Organization on the Face Page of the application. Descriptions of individual assurances/certifications are provided in Section III. If unable to certify compliance, where applicable, provide an explanation and place it after this page.

- Human Subjects; •Research Using Human Pluripotent Stem Cells•
- Research on Transplantation of Human Fetal Tissue •Women and Minority Inclusion Policy •Inclusion of Children Policy •Vertebrate Animals•

- Debarment and Suspension; •Drug- Free Workplace (applicable to new [Type 1] or revised [Type 1] applications only); •Lobbying; •Non-Delinquency on Federal Debt; •Research Misconduct; •Civil Rights (Form HHS 441 or HHS 690); •Handicapped Individuals (Form HHS 641 or HHS 690); •Sex Discrimination (Form HHS 639-A or HHS 690); •Age Discrimination (Form HHS 680 or HHS 690); •Recombinant DNA and Human Gene Transfer Research; •Financial Conflict of Interest (except Phase I SBIR/STTR) •STTR ONLY: Certification of Research Institution Participation.

3. FACILITIES AND ADMINISTRATIVE COSTS (F&A)/ INDIRECT COSTS. See specific instructions.

- DHHS Agreement dated: _____ No Facilities And Administrative Costs Requested.
- DHHS Agreement being negotiated with _____ Regional Office.
- No DHHS Agreement, but rate established with USUHS Date 1/29/02

CALCULATION* (The entire grant application, including the Checklist, will be reproduced and provided to peer reviewers as confidential information. Supplying the following information on F&A costs is optional for for-profit organizations.)

a. Initial budget period:	Amount of base \$	<u>130,976</u>	x Rate applied	<u>10</u>	% = F&A costs	\$	<u>13,098</u>	
b. 02 year	Amount of base \$	<u>114,377</u>	x Rate applied	<u>10</u>	% = F&A costs	\$	<u>11,438</u>	
c. 03 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____	
d. 04 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____	
e. 05 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____	
							TOTAL F&A Costs \$	24,536

*Check appropriate box(es):

- Salary and wages base Modified total direct cost base Other base (Explain)
- Off-site, other special rate, or more than one rate involved (Explain)

Explanation (Attach separate sheet, if necessary.):

4. SMOKE-FREE WORKPLACE Yes No (The response to this question has no impact on the review or funding of this application.)

PHS 398 Table of Content for Fast Track Awards

The name of the principal investigator/program director must be provided at the top of each printed page and each continuation page.

FAST TRACK AWARD RESEARCH GRANT TABLE OF CONTENTS

Page Numbers

Face Page	_____
Description, Performance Sites, and Personnel	_____
Table of Contents	_____
Detailed Budget for Initial Budget Period (or Modular Budget)	_____
Budget for Entire Proposed Period of Support (not applicable with Modular Budget)	_____
Budgets Pertaining to Consortium/Contractual Arrangements (not applicable with Modular Budget)	_____
Biographical Sketch —Principal Investigator/Program Director (<i>Not to exceed four pages</i>).....	_____
Other Biographical Sketches (<i>Not to exceed four pages for each – See instructions</i>).....	_____
Resources	_____
Research Plan	
Introduction to Revised Application (<i>Not to exceed 3 pages</i>)	_____
<i>Items A-N: not to exceed 10 pages</i>	
A. Purpose/Objectives/Specific Aims	_____
B. Hypotheses/Research Questions	_____
C. Significance.....	_____
D. Military Relevance.....	_____
E. Background/Review of Literature.....	_____
F. Preliminary Studies/Progress Report.....	_____
G. Research Design, Methods, and Randomization Process.....	_____
H. Data Collection and Measurement.....	_____
I. Target Sample, Sample Size, and Inclusion/Exclusion Criteria.....	_____
J. Data Collection and Measurement.....	_____
K. Human Subject Protection, Recruitment, Benefits, Risks, and Risk/Benefit Assessment.....	_____
L. Vertebrate Animals.....	_____
M. Data Analysis	_____
N. Timeline.....	_____
O. Bibliography	_____

Checklist

Appendix (*Five collated sets. No page numbering necessary for Appendix.*)

Appendices NOT PERMITTED for Phase I SBIR/STTR unless specifically solicited.

Number of publications and manuscripts accepted for publication (*not to exceed 10*) _____
Other items (list):

Check if
Appendix is
Included

PHS 416-1 Forms for Graduate Research Awards

(For Student Applicants)

To be completed in addition to selected PHS398 forms (see table on page 13)

Scholastic Performance (Form Page 4)

Background (Form Page 5)

Biographical Sketch of Sponsor (Form Page 7)

Facilities and Commitment (Form Page 8)

**TSNRP Graduate Research Award Application
Background**

(To be completed by applicant--follow PHS 416-1 instructions.)

NAME OF APPLICANT *(Last, first, middle initial)*

24. PRIOR AND/OR CURRENT TSNRP SUPPORT. List type (individual and/or institutional), level (pre or post), dates, and grant or award numbers.

25a. ACADEMIC AND PROFESSIONAL HONORS. Include all scholarships, traineeships, fellowships, and development awards. Indicate source of awards (NSF, Woodrow Wilson, etc.), dates, and grant or award numbers. List current professional societies, if applicable.

25b. TITLE(S) OF THESIS/DISSERTATION(S)

26. NAME OF DISSERTATION ADVISOR OR CHIEF OF SERVICE
(If reference report not included, explain why not.)

TITLE, DEPARTMENT, AND INSTITUTION

27. APPLICATION FOR CONCURRENT SUPPORT

NO YES

Using format below, list all support (training, research, supplies, travel, etc.) applied for that would run concurrently with the period covered by this application. Include the type, dates, source, and amount.

Type:

Source:

Type:

Source:

Type:

Source:

Type:

Source:

Type:

Source:

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

BIOGRAPHICAL SKETCH

Provide the following information for the sponsor (and co-sponsor, if applicable) in the format indicated. Use a separate Form Page 7 for each biographical sketch submitted. **DO NOT EXCEED FOUR PAGES** Also, complete items 9 through 14 on Form Page 1, and items 19, 20 and 21 on Form Page 2.

NAME OF SPONSOR (CO-SPONSOR)		POSITION TITLE	
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (<i>if applicable</i>)	YEAR(s)	FIELD OF STUDY

NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

C. Research Support. List selected ongoing or completed (during the last three years) research projects (Federal and non-Federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of the sponsor (co-sponsor) identified above.

Principal Investigator/Program Director (Last, first, middle):

PART II (Form Pages 7 to 9) Continued

Name of Applicant (Last, first, middle): _____

BIOGRAPHICAL SKETCH

Provide the following information for the sponsor (co-sponsor). **DO NOT EXCEED FOUR PAGES.**

NAME OF SPONSOR (CO-SPONSOR)	POSITION TITLE
------------------------------	----------------

EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY

TSNRP Graduate Research Award Application Facilities and Commitment

(To be completed by sponsor--follow PHS 416-1 instructions.)

NAME OF APPLICANT (Last, first, middle initial)

32. Identify the research and research training support available to the sponsor and the applicant during period of proposed award.

33. SPONSOR'S PREVIOUS FELLOWS/TRAINEES

Give total number of pre- and postdoctoral individuals and provide information on a representative five. List their present employing organizations and position titles or occupations.

FACILITIES AND COMMITMENT STATEMENT

In the space below and on continuation pages, complete the following items. Identify each item by number and title.

34. Training Plan, Environment, Research Facilities.

Describe the research training plan for the applicant, include such items as classes, seminars, and opportunities for interaction with other groups and scientists. Describe the research environment and available research facilities and equipment. Include information that will help reviewing groups evaluate the applicant and the proposed training. Indicate the relationship of the proposed research training to the applicant's career. Describe the skills, techniques, etc., that the applicant will learn and relate these to the applicant's career goals.

35. Number of Fellows/Trainees to be Supervised During the Fellowship. Indicate Pre-or Postdoctoral.

36. Applicant's Qualifications and Potential for a Research Career.

37. Human Subjects/Vertebrate Animals Use and Description.

38. **CERTIFICATION:** We, the undersigned, certify that the statements herein are true, complete, and accurate to the best of our knowledge. If this application results in an award, appropriate training, adequate facilities, and supervision will be provided, and we accept the obligation to comply with the Public Health Service terms and conditions of award. We are aware that any false, fictitious, or fraudulent statement or claim may subject us to criminal, civil, or administrative penalties.

SIGNATURE	TYPED NAME	OFFICE TELEPHONE	DATE
SPONSOR			
DEPARTMENT HEAD			
OFFICIAL SIGNING FOR SPONSORING INSTITUTION			

PHS 416-1 Forms for Research Fellow Awards

To be completed in addition to selected PHS398 forms (see table on page 13)

Form Page 2

Table of Contents (Form Page 3)

Scholastic Performance (Form Page 4)

Background (Form Page 5)

Research (Form Page 6)

Biographical Sketch of Sponsor (Form Page 7)

Facilities and Commitment (Form Page 8)

TSNRP Research Fellow Award Application (To be completed by applicant-- follow PHS 416-1 instructions)				NAME OF APPLICANT (Last, first, middle initial)		
16. APPLICANT'S EDUCATION						
DEGREE	MONTH(mm)	YEAR (yyyy)	FIELD	INSTITUTION	MENTOR	
17. APPLICANT'S TRAINING/EMPLOYMENT (After college)						
ACTIVITY/ OCCUPATION	BEGINNING DATE (mm/yy)	ENDING DATE (mm/yy)	FIELD	INSTITUTION/COMPANY	SUPERVISOR/EMPLOYER	
18. GOALS FOR FELLOWSHIP TRAINING AND CAREER						
SPONSOR						
19. NAME AND DEGREE(S)						
20. POSITION/RANK						
21. RESEARCH INTERESTS/AREAS						
RESEARCH PROPOSAL						
22. DESCRIPTION						

Table of Contents

Page Numbers

(Number pages consecutively at the bottom throughout the application. Do not use suffixes such as 6a, 6b.)

Section 1 — Applicant

Face Page (PHS 398 form), Form Page 2, and Table of Contents (Form Page 3)

1-3

Scholastic Performance (Form Page 4).....

4

Background (Form Page 5).....

5

Research (Form Page 6)

a. Summary.....

b. Doctoral Dissertation

c. Publications.....

Revised Application.....

Training Plan

a. Activities Under Award.....

b. Training Proposal.....

(1) Background and Career Goals of the fellow }.....

(2) Significance to Military Nursing Research }.....

(3) Specific Aims of the Training..... } (Not to exceed 10 pages)

(4) Mentoring Plan

(5) Final Product

(6) Literature Cited

c. Respective Contributions.....

d. Selection of Sponsor and Institution

e. Responsible Conduct of Research

Biographical Sketch of Research Fellow (PHS 398 form)

Section 2 — Sponsor

Biographical Sketch (Form Page 7).....

Facilities and Commitment Statement (Form Page 8).....

Training Plan, Environment, Research Facilities.....

Number of Fellows/Trainees to be Supervised

Applicant's Qualifications and Potential.....

Human Subjects

Vertebrate Animals

Section 3 — Budget

Detailed Budget for Initial Budget Period (PHS 398 form)

Budget for Entire Proposed Period of Support (PHS 398 form)

Budgets Pertaining to Consortium/Contractual Arrangements (PHS 398 form)

Checklist (PHS 398 form).....

Other Items (list):

Personal Data Page for Applicant (PHS 398 form)

Section 4 — Appendix

(3 collated sets. No page numbering necessary. Not to exceed 3 publications; 2 for predoctoral candidates.)

Check if Appendix is included

TSNRP Research Fellow Award Application
Background

(To be completed by applicant--follow PHS 416-1 instructions.)

NAME OF APPLICANT (Last, first, middle initial)

24. PRIOR AND/OR CURRENT TSNRP SUPPORT. List type (individual and/or institutional), level (pre or post), dates, and grant or award numbers.

25a. ACADEMIC AND PROFESSIONAL HONORS. Include all scholarships, traineeships, fellowships, and development awards. Indicate source of awards (NSF, Woodrow Wilson, etc.), dates, and grant or award numbers. List current professional societies, if applicable.

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26. NAME OF DISSERTATION ADVISOR OR CHIEF OF SERVICE
 (If reference report not included, explain why not.)

TITLE, DEPARTMENT, AND INSTITUTION

27. APPLICATION FOR CONCURRENT SUPPORT

NO YES

Using format below, list all support (training, research, supplies, travel, etc.) applied for that would run concurrently with the period covered by this application. Include the type, dates, source, and amount.

Type:

Source:

Type:

Source:

Type:

Source:

Type:

Source:

Type:

Source:

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

Dates:

Amount::

TSNRP Research Fellow Award Application

NAME OF APPLICANT (*Last, first, middle initial*)**Research***(To be completed by applicant--follow PHS 416-1 instructions.)*

28. RESEARCH EXPERIENCE

- a. Summary
- b. Doctoral Dissertation
- c. Publications (published, accepted, submitted, or in preparation)

29. REVISED APPLICATION

30. TRAINING PLAN

- a. Approximate percentage of proposed award time in activities identified below. (*See instructions.*)

Year	Research	Course Work	Teaching	Clinical
First				

b. Training Proposal

- Background and Career Goals of the fellow
 - Significance to Military Nursing Research
 - Specific Aims of the Training
 - Mentoring Plan
 - Final Product
- c. Respective Contributions
 - d. Selection of Sponsor and Institution
 - e. Responsible Conduct of Research

BIOGRAPHICAL SKETCH

Provide the following information for the sponsor (and co-sponsor, if applicable) in the format indicated. Use a separate Form Page 7 for each biographical sketch submitted. **DO NOT EXCEED FOUR PAGES** Also, complete items 9 through 14 on Form Page 1, and items 19, 20 and 21 on Form Page 2.

NAME OF SPONSOR (CO-SPONSOR)		POSITION TITLE	
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (<i>if applicable</i>)	YEAR(s)	FIELD OF STUDY

NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

C. Research Support. List selected ongoing or completed (during the last three years) research projects (Federal and non-Federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of the sponsor (co-sponsor) identified above.

BIOGRAPHICAL SKETCHProvide the following information for the sponsor (co-sponsor). **DO NOT EXCEED FOUR PAGES.**

NAME OF SPONSOR (CO-SPONSOR)

POSITION TITLE

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION

DEGREE
(*if applicable*)

YEAR(s)

FIELD OF STUDY

TSNRP Research Fellow Award Application Facilities and Commitment

(To be completed by sponsor--follow PHS 416-1 instructions.)

NAME OF APPLICANT *(Last, first, middle initial)*

32. Identify the research and research training support available to the sponsor and the applicant during period of proposed award.

33. SPONSOR'S PREVIOUS FELLOWS/TRAINEES

Give total number of pre- and postdoctoral individuals and provide information on a representative five. List their present employing organizations and position titles or occupations.

FACILITIES AND COMMITMENT STATEMENT

In the space below and on continuation pages, complete the following items. Identify each item by number and title.

34. Training Plan, Environment, Research Facilities.

Describe the research training plan for the applicant, include such items as classes, seminars, and opportunities for interaction with other groups and scientists. Describe the research environment and available research facilities and equipment. Include information that will help reviewing groups evaluate the applicant and the proposed training. Indicate the relationship of the proposed research training to the applicant's career. Describe the skills, techniques, etc., that the applicant will learn and relate these to the applicant's career goals.

35. Number of Fellows/Trainees to be Supervised During the Fellowship. Indicate Pre-or Postdoctoral.

36. Applicant's Qualifications and Potential for a Research Career.

37. Human Subjects/Vertebrate Animals Use and Description.

38. **CERTIFICATION:** We, the undersigned, certify that the statements herein are true, complete, and accurate to the best of our knowledge. If this application results in an award, appropriate training, adequate facilities, and supervision will be provided, and we accept the obligation to comply with the Public Health Service terms and conditions of award. We are aware that any false, fictitious, or fraudulent statement or claim may subject us to criminal, civil, or administrative penalties.

SIGNATURE	TYPED NAME	OFFICE TELEPHONE	DATE
SPONSOR			
DEPARTMENT HEAD			
OFFICIAL SIGNING FOR SPONSORING INSTITUTION			

APPENDIX D

SAMPLE TIMELINE

The sample below was created for a study employing survey and focus group methodology. Investigators should create timelines that are **specific to the proposed research**.

	YEAR 1				YEAR 2			
	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
Recruit & Hire Study Personnel	█							
Print Questionnaires & Create Database		█						
Establish Liaison With Units		█						
Prepare Questionnaire Mailing		█						
Send 1 st Mailing of Questionnaires		█	█	█				
Send Reminder Postcards		█	█	█				
Send 2 nd Mailing of Questionnaires		█	█	█				
Obtain APFT Results & Enter in Database		█	█	█	█			
Scan Questionnaires Into Database		█	█	█				
Questionnaire Data Cleaning					█			
Questionnaire & APFT Data Analysis					█	█		
Data Interpretation						█	█	
Focus Group Training And Planning						█		
Focus Groups						█	█	
Focus Group Data Interpretation						█	█	
Identify Intervention Strategies to Increase Exercise Participation								█
Report & Manuscript Preparation					█			█

Timeline provided courtesy of COL Laura R. Brosch, ANC

APPENDIX E

SELECTED REFERENCES

Human Subjects Protection

DoD Directive 3216.2, Protection of human subjects and adherence to ethical standards in DoD-supported research.

DoD Directive 6000.8, Funding and administration of clinical investigation programs.

DoD Instruction 1100.13, Surveys of DoD personnel.

Title 21 Code of Federal Regulation (CFR) 50, 56, 312, 314, Good clinical practice (protection of human subjects; Institutional Review Boards; investigational new drug application; applications for FDA approval to market a new drug).

Title 32 CFR 219, Human subjects protection.

Title 45 CFR 46, Subparts A, B, C, and D, Protection of human subjects.

Title 5 U.S. Code 5536, Extra pay for extra services prohibited.

Title 10 U.S. Code 980, Limitation on use of humans as experimental subjects.

Title 24 U.S. Code 30, Payments to donors of blood for persons undergoing treatment at Government expense.

Health Affairs Policy 97-033, 3 Mar 1997, "Policy for external peer review for defense health program extramural medical research involving human subjects."

Air Force Regulations

AFI 40-402, 1 Sep 2000, Clinical investigation and human test subjects in the medical service.

Army Regulations

AR 40-38, Clinical investigation programs.

AR 70-25, Use of volunteers as subjects of research.

Navy Regulations

SECNAV INST 3900.39B, 27 Feb 1984, Protection of human subjects.

NAVMEDRSCHCEN INST 3900.6a.

Non-human Animal Subjects

NIH Publication No. 86-23, Guide for the care and use of laboratory animals.

DoD Directive 3216.1, The use of animals in dod programs.

Title 9 CFR, Chapter 1, Subchapter A (Animal Welfare), Parts 1-4.

Access these documents online through <http://www.usuhs.mil/tsnrrp/links/management.html>

APPENDIX F

RESEARCH CONSULTANTS/SPECIALTY LEADERS

ARMY

COL Stacey Young-McCaughan, USA, AN
Chief, Outcomes Mgt. & Practice Guideline
Project Official
USA MEDCOM
E-mail: Stacey.young-mccaughan@cen.amedd.army.mil

NAVY

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