

SUPPORTING STATEMENT – PART B

B. COLLECTIONS OF INFORMATION EMPLOYING STATISTICAL METHODS

1. Description of the Activity

Respondents for the proposed information collection consist of military-connected individuals across all Services who express interest in engaging with their installation's NPSP office and meet the requirements set forth by NPSP for receipt of services (i.e., respondent is a military Service member or dependent and is either an expecting parent or the parent of 0-3-year-old child [0-5-year-old for Marine Corps]). OSD MCA estimates that 15,000 respondents across all the Services would receive the FNS annually. A random sample of 10% of the completed FNS instruments will be drawn each year over a 3-year period for the evaluation. The table below provides a visual depiction of the respondent universe and samples drawn for the proposed evaluation.

Respondent Universe by Service	Year 1	Year 2	Year 3	Project Total Across 3 Years
Army	7,500	7,500	7,500	22,500
Air Force/Space Force	3,000	3,000	3,000	9,000
Marine Corps	1,500	1,500	1,500	4,500
Navy	3,000	3,000	3,000	9,000
Population Total	15,000	15,000	15,000	45,000
Sample Total for Analysis (10% of Population Total)	1,500	1,500	1,500	4,500

2. Procedures for the Collection of Information

Describe any of the following if they are used in the collection of information:

a. Statistical methodologies for stratification and sample selection;

The respondent universe is stratified by Service branch, and a random 10% draw of completed FNS instruments across the Services will be selected each year over the course of 3 years.

b. Estimation procedures;

Estimation procedures will involve classical test theory approaches (e.g., reliability analyses, confirmatory factor analyses) and item response theory approaches (e.g., Rasch modeling, two-parameter logistic modeling). Robust methods (e.g., full information maximum likelihood) will be employed to address missing data.

- c. *Degree of accuracy needed for the Purpose discussed in the justification;*

The projected total sample size of 4,500 will allow for a robust examination of the psychometric properties of the FNS. Such a well-powered investigation should produce unbiased and accurate estimates of the parameters of interest.

- d. *Unusual problems requiring specialized sampling procedures; and*

N/A - There are no anticipated unusual problems that would require specialized sampling procedures.

- e. *Use of periodic or cyclical data collections to reduce respondent burden.*

N/A - Respondents will only complete the FNS instrument once upon entry to NPSP, thereby reducing their burden.

3. Maximization of Response Rates, Non-response, and Reliability

The FNS instrument will be administered by NPSP personnel as the intake tool they use in compliance with DoD Instruction 6400.05. Based on historical data from OSD MCA, it is anticipated that 15,000 individuals will be screened per year. A random sample of 10% of the FNS instruments will be drawn across the Services each year over the 3-year project period. The goal of this evaluation is to robustly examine the psychometric properties of the FNS instrument. While several previous psychometric evaluations of the FNS instrument exist (see SSA), each is limited in its ability to inform OSD MCA about the measure's utility across all of the Services. Respondents' completion of the FNS instrument is voluntary, and it is anticipated that there will be some missing data. Rigorous missing data techniques will be employed to address any issues that arise due to missing data.

4. Tests of Procedures

There are no plans to test procedures or methods because the FNS instrument will be administered as part of routine service for NPSP in compliance with DoD Instruction 6400.05.

5. Statistical Consultation and Information Analysis

- a. *Provide names and telephone number of individual(s) consulted on statistical aspects of the design.*

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- b. *Provide name and organization of person(s) who will actually collect and analyze the collected information.*

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