



# Reproductive Health

*Developing Partnerships in the Study of Reproductive Hazards in the Workplace*

The National Institute for Occupational Safety and Health (NIOSH) is the federal agency responsible for conducting research and making recommendations for the prevention of work-related disease and injury. NIOSH is part of the Centers for Disease Control and Prevention (CDC).

## NIOSH conducts 3 types of field studies:

- **Health Hazard Evaluations:** initiated by workers or employers and mandated by Congress.
- **Industry-wide studies:** initiated by NIOSH and based on scientific data.
- **Technical Assistance:** initiated by another institution, with traditional collaborations with universities, state health departments, and other federal agencies.

## Male Reproductive Health Assessment

The male reproductive health assessment team evaluates male reproductive function in occupational field studies:

**Neuroendocrine Function** – assessing reproductive endocrine status in blood or urine.

**Spermatogenesis and Fecundability** – using the latest semen analysis methods including computer assisted sperm analysis.

**Genetic Damage to Spermatozoa** – flow cytometric analysis of sperm chromatin structure and COMET analysis of sperm.

**Sexual Function** – using sexual dysfunction assays and instrumentation.

For more information, or to establish a collaboration, contact:

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## Advantages of Developing Partnerships

- These NIOSH research teams are uniquely committed to assessing the effects of occupational hazards on the reproductive health of workers and their families.
- They bring years of experience in reproductive health field studies into your study.
- State-of-the-art methods and equipment will be used for your study.

## Female Reproductive Health Assessment

The female reproductive health assessment team evaluates female reproductive function in occupational field studies:

**Neuroendocrine Function** – assessing reproductive hormones in urine or blood.

**Ovulation Detection** – confirming ovulation and its timing using endocrine measurements.

**Menstrual Cycle Defects** – characterizing menstrual cycle parameters and dysfunction using endocrine ratios and relationships.

**Luteal Phase Defects** – assessing the duration and quality of luteal function.

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