Men and women have many of the same health problems. Although the symptoms may be similar, some can affect women more severely and the care necessary to treat them can differ significantly. Women also experience unique health issues and conditions – from pregnancy and menopause to gynecological conditions, such as vaginal infections.

As a natural extension of our infectious disease, cancer and prevention programs, ImQuest BioSciences offers services that are specific to the needs of women’s health, utilizing PrevSENS, MicroSENS, OncoSENS, ToxiSENS and PharmaSENS.

Topical Microbicides for the Prevention of HIV
PrevSENS, ImQuest BioSciences’ microbicide development program, utilizes a wide range of microbiological, biochemical and molecular technologies to assess the activity and toxicity of agents in the prevention of HIV including:

- Antiviral activity and cellular toxicity
- Range of action
- Mechanism of action
- Combination microbicide activity
- Selection and characterization of resistant organisms

Sexually Transmitted and Other Vaginal Infections
Sexually transmitted infections (STIs) often go untreated in women because symptoms are less obvious than in men or are more likely to be confused with other less serious conditions, such as yeast infections or bacterial vaginosis. ImQuest BioSciences has the capability to evaluate potential inhibitors against organisms that cause infections in the vagina and urinary tract as part of our MicroSENS and ViroSENS programs including:

- HIV
- HSV-1
- HSV-2
- HPV
- Hepatitis viruses
- Neisseria gonorrhoeae
- Chlamydia trachomatis
- Trichomonas vaginalis
- Candida albicans
- Gardnerella vaginalis

Cancer
Certain types of cancers affect primarily (or exclusively) women. At ImQuest BioSciences, we utilize the OncoSENS, ToxiSENS and PharmaSENS programs to assess efficacy, safety, and pharmaceutical properties (including formulation analysis) of novel small molecules and biologics for the treatment of women’s cancers including:

- Breast cancer
- Endometrial cancer
- Cervical cancer
- Ovarian cancer

Osteoporosis
Osteoporosis, a disease more common in women, causes bones to become fragile and more susceptible to breaking. Fractures and the subsequent pain and disability can seriously affect women’s health and their quality of life. ImQuest BioSciences uses the ToxiSENS program to assess in vitro toxicity to osteoclasts and osteoblasts.