What’s New in the Third Edition

About the SpaceMed Guide

The SpaceMed Guide workbook and CD-ROM presents guidelines that reflect today’s dynamic healthcare environment. This popular planning tool, written by Cynthia Hayward, provides state-of-the-art planning methodologies, industry benchmarks, and planning tips from decades of consulting to healthcare organizations throughout North America. Whether you are a seasoned healthcare professional — or new to the healthcare industry — the SpaceMed Guide can help you plan the right services, at the right size, and in the right location. The SpaceMed Guide was first published in 2004 followed by the second edition in 2006. The new third edition will be available in the spring of 2015.

Summary of Major Additions and Revisions for 2015

The SpaceMed Guide aligns with the FGI Guidelines. The third edition of the SpaceMed Guide aligns with the 2014 edition of the Guidelines for Design and Construction of Hospitals and Outpatient Facilities published by the Facilities Guidelines Institute — referred to as the FGI Guidelines — and uses the same nomenclature, required spaces, and minimum room sizes. The SpaceMed Guide complements the FGI Guidelines by helping healthcare providers, planners, and architects to develop the functional program required prior to application of the FGI Guidelines, along with providing the room-by-room space requirements necessary to begin the design process. The FGI Guidelines identify the functional program as a critical tool for planning and designing healthcare facilities and mandates that a “functional program shall be developed for new construction, major renovations, and projects that change the functional use of any facility space.” The Joint Commission, many federal agencies, and authorities in 42 states use the FGI Guidelines as either a code or a reference standard when reviewing, approving, and financing projects.

Introductory sections are updated. Information on current facility planning issues, the facility planning process, and developing a functional program have been updated, along with additional text on planning facilities for special patient populations, such as infectious/immune suppressed, bariatric, and behavioral health patients.

Current trends, key planning issues, and the space planning templates have been updated for all sixteen sections of the SpaceMed Guide. Many of the changes are related to healthcare reform, the convergence of diagnostic and interventional imaging with surgery, and the increased use of automation and robotics. Healthcare reform is not only resulting in more people seeking healthcare services but is affecting the way healthcare is delivered.

Common spaces are summarized. Spaces that are common to many of the clinical services and support functions addressed in the SpaceMed Guide — including patient care, support, and administrative spaces — are summarized in an appendix for easy reference.
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A metric version of the space planning templates will also be available. A metric version of the sixteen space planning templates, as well as the quick calculation templates, will be included on the CD-ROM.

Major clinical sections have been substantially rewritten. A number of the SpaceMed Guide sections have been substantially rewritten or revised to reflect changing medical practices and advances in technology. These include:

- **Emergency and urgent care services** has been updated to reflect new requirements mandated in the FGI Guidelines.

- **Surgery and special procedures** reflects the ongoing migration from invasive to less-invasive to noninvasive procedures as minimally-invasive, image-guided, robotic, and telesurgery continue to replace traditional surgical procedures. The revised section also reflects new definitions of invasive procedures, procedure rooms, and semi-restricted/restricted areas of the surgical suite, consistent with the FGI Guidelines, along with minimum room sizes for general, specialty, and hybrid operating rooms, and the new requirements for immediate-use steam sterilization.

- **Imaging and other diagnostic services** has been updated to include new modalities and technologies and to reflect minimum space requirements mandated in the FGI Guidelines.

- **Women and infant services** includes additional information on the use of single family rooms in the neonatal intensive care unit.

- **Oncology services** addresses new radiation therapy treatments and stereotactic radiosurgery.

- **Patient care units** has been updated to reflect minimum space requirements mandated in the FGI Guidelines and includes new space templates for hospital-based skilled nursing/rehabilitation units and an observation unit.

- **Ambulatory care** has been updated to reflect new patient care delivery models — particularly for primary care — and changes in the planning of ophthalmology and dental suites and medical procedure units.

- **Clinical laboratory** has been rewritten to address advances in automation and rapid changes in technology and instrumentation. Molecular diagnostic testing — one of the fastest growing areas of the laboratory — has been added, and changes in transfusion services, anatomical pathology, and the morgue are noted. Current trends in laboratory consolidations, the focus on safety and security, and the need for flexibility, are also described in the revised section.

- **Pharmacy** has been updated to reflect the prevalence of automated medication dispensing units at the point-of-care, and the growing automation and use of robotics in both the main hospital pharmacy and in the outpatient pharmacy.

- **Other revisions** address changes in cardiovascular diagnostics, rehabilitation, behavioral health, and building support services.

A metric version of the space planning templates will be available in response to requests by international users of the SpaceMed Guide. All sixteen sections of the SpaceMed Guide have been revised and all of the space planning templates reflect the minimum room sizes cited in the FGI Guidelines.