

The formulae $\frac{\partial U_i}{\partial \alpha} + \frac{\partial}{\partial \alpha_j} (\rho U_i) = -\frac{\partial P}{\partial \alpha_j} + \frac{\partial}{\partial \alpha_j} \left(\mu \frac{\partial U_i}{\partial \alpha_j} \right) + g_i (\rho - \rho_0)$ for building $\frac{\partial}{\partial \alpha_j} (\rho U_i P_i) = -\frac{\partial P}{\partial \alpha_j} + \frac{\partial}{\partial \alpha_j} \left(\mu \frac{\partial U_i}{\partial \alpha_j} - \rho U_i \right) + g_i (\rho - \rho_0)$ state of the art $\frac{\partial}{\partial \alpha_j} (\rho U_i H) = \frac{\partial}{\partial \alpha_j} \left(\lambda \frac{\partial T}{\partial \alpha_j} - \rho U_i H \right)$ biomedical research facilities.

FGI Health Care Codes – New Edition

The NIH *Design Requirements Manual (DRM)* establishes mandatory design requirements, standards, and technical criteria across all NIH owned, leased, operated, and funded facilities. Per *DRM* Section 1.2, Referenced Codes, Standards, and Organizations, referenced codes and standards are integral to the *DRM* and must be followed in concert with other guidance and requirements therein.

Among the standards referenced in Section 1.2 are Facility Guidelines Institute (FGI) publications. The newly released 2026 FGI codes, published August 31, 2026, as the *FGI Codes*, supersede previous editions and apply to all design and construction contracts signed as of that date.

General FGI Changes

The most noticeable change is the formal naming of the 78-year-old documents, from *FGI Guidelines* to *FGI Codes*. The transition to ‘code’ codifies minimum requirements, eliminating ambiguity of adherence. There are several *FGI Codes* for *Hospitals*, *Outpatient Settings*, and *Residential* facilities, of which the *Hospitals* and *Outpatient Settings* codes are most applicable for NIH facilities. In addition, the *FGI Handbooks* supplement the codes with advisory information, explanatory guidance, illustrations, tools and checklists for individual room types, planning considerations, and resources. This keeps the core codes concise and focused strictly on enforceable baseline requirements.

2026 FGI Code for Planning and Design of Hospitals



The updated *Hospitals* code introduces new minimum hospital requirements for the planning, design, and construction of hospital facilities, including medical psychiatry units, rural emergency hospitals, discharged patient waiting facilities, and incident command centers, addressing several emerging or increasingly important facility needs. The 2026

edition also strengthens requirements affecting staff safety in behavioral and mental health units and emergency departments and includes technical revisions addressing waterborne pathogens, casework and surfaces, mobile units, and other elements of the patient care environment. In addition, the ANSI/ASHRAE/ASHE Standard 170-2025: *Ventilation of Health Care Facilities* is included with the book.

2026 FGI Code for Planning and Design of Outpatient Settings



The FGI code for *Outpatient Settings* introduces minimum requirements for short-stay centers and sleep disorder centers and significantly expands provisions for behavioral health crisis centers. This edition also allows greater flexibility in areas for clean supply storage while revising requirements for mobile units, birth centers, plumbing systems, surfaces, and specialty clinical spaces.

NIH Compliance and Project Execution

Both the *Hospital* and *Outpatient Settings* codes are active benchmark requirements under *DRM* Section 1.2. All applicable projects shall adhere to the 2026 standards at all stages, including:

- Program of Requirements (POR) development.
- Preliminary and final construction documents (A/E submissions).
- DTR Permit Reviews and on-site code compliance inspections.

Resources

1. 2026 *FGI Codes*, *FGI Handbooks*, and FGI OneSource <https://onesource.fgicodes.org/>