

DoD Space Planning Criteria for Health Facilities

Urology

3.14.1. PURPOSE AND SCOPE:

This section sets forth space planning criteria for the Urology Services in military health care facilities. These services are typically for inpatients and outpatients.

3.14.2. DEFINITIONS:

Cystoscopy: Visual examination of the interior of the bladder by means of a cystoscope.

Full-Time Equivalent (FTE): A work force equivalent to one individual working full time for a specific period, which may be made up of several part-time individuals or one full-time individual. This will include everyone working in the facility; military, civilian and contractor personnel.

Intravenous Pyelogram (IVP): An IVP (Intravenous Pyelogram) is an X-ray examination of the kidneys. After a plain film (without X-ray contrast) is obtained, the Radiologist injects radio-opaque contrast in a vein. A film is obtained immediately to determine the actual size of the kidneys. After waiting between five and ten minutes, another film is taken to show the collecting system as it begins to empty. Ideally the kidneys, ureters and bladder are all visualized on this film.

Office: Room Code OFA01 is a private office outfitted with standard office furniture. Room Code OFA02 is a private office outfitted with systems furniture. Room Code OFA03 is a cubicle outfitted with systems furniture.

Preceptor/Consult Room: - A location is required for residents in training to be able to discuss cases in private with supervising faculty physicians (preceptors). These discussions occur during the course of a patient visit, requiring proximity to exam room areas. In clinic configurations with staff physician offices clustered near exam rooms, precepting may be feasible from the faculty physician's own office and not from a dedicated central preceptor room. Note that any space provided for precepting must afford privacy from eavesdropping patients and passers-by ... hence an open area accessible by non-staff is NOT acceptable.

Provider: A provider in a urology service is an urologist. The term 'staff providers' does not include residents.

Urodynamics: Urodynamics refers to a group of diagnostic procedures that are performed to evaluate voiding disorders. The goal of diagnosis and treatment of these disorders is to: (1) protect the kidneys and (2) keep the patient dry.

Urology: The branch of medicine concerned with the diagnosis and treatment of diseases (especially by surgical technique) of the urinary tract of both male and female and of the genital organs of the male.

Video urodynamics: Video urodynamics requires the availability of the most specialized urodynamic equipment. The digital monitoring systems take video image information from a fluoroscopy unit and provide digital video image, on screen with pressure data. This process allows the physician to visualize events in the lower urinary tract along with pressure, flow and EMG data.

3.14.3. POLICIES:

Clinic Composition: A separate urology clinic will not be programmed if the number of provider FTEs is 2 or less. When staffing does not support a separate clinic, the service may be combined with the general surgery clinic.

Providers' Examination Rooms: Each urologist will be provided with two examination rooms.

Providers' Offices: Each provider on the staff, who has patient appointments, will be provided a private office.

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Residents' Office Space: Private office space will not be programmed for graduate medical education residents. Residents who are in a graduate medical education program studying to become a specialist in the service being programmed, will be provided with shared office space of 60 nsf per resident in the program. An office for a rotating resident may be programmed in the clinic for residents who see patients.

Resident's Office/Examination Rooms: Additional office and examination room space may be programmed into a clinic to provide space for "rotating residents" to see patients. A resident during his or her rotation in the clinic will use this space when they see patients as walk-ins or on appointment. One office and two examination rooms may be programmed for each resident FTE projected to be in the clinic seeing patients. Note: these residents are not necessarily urology residents only; family practice, and internist residency programs may require a rotation in the orthopedic clinic.

3.14.4. PROGRAM DATA REQUIRED:

- Number of projected providers.
- Are patient education cubicles in clinic concept of operations?
- Will a patient education conference room be required?
- Will Cystoscopy to be provided in the clinic, radiology or OR?
- Number of annual urology visits (to determine number of Cystoscopy rooms).
- Number of projected nurses.
- Number of administrative personnel that require a private office?
- Number of administrative personnel that require a dedicated cubicle.
- Number of personnel that do not have a private office or cubicle.
- Total number of personnel assigned to the clinic.
- Are pediatric patients seen in the clinic?
- Are OB patients seen in the clinic?
- Is a satellite lab in the clinic concept of operations?
- Is there a urology residency program?
- Number of FTE residents.
- Is there a Residency Research Technician assigned?
- Is there a Residency secretary assigned?

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3.14.5. SPACE CRITERIA:

NOTE: GP indicates that a guideplate exists for that particular Room Code.

RECEPTION AREAS

Clinic Waiting	WRC01	5.57	60	Minimum. Provide 3.0 seats per each projected FTE provider. Provide 16 nsf for 95% of the seats and 25 nsf for 5% of the seats (handicapped waiting). Note: this space can be divided into separate sick and well waiting areas. If divided, recommend providing 67% of space for a main waiting area.
Reception (GP)	RECP1	13.01	140	Minimum. Provide 140 nsf for the first eight providers. Increase 60 nsf for each increment of four providers over the initial eight providers. Includes space for 2 technicians. When only 1 technician required, consolidate with adjacent department, where possible.
Patient Education Kiosk/Alcove	CLSC1	3.72	40	One per clinic.
Patient Education Cubicle	CLSC2	2.72	30	Provide if in clinic concept of operations. Includes a computer workstation for patient self-assessment, printing educational brochures, etc.
Public Toilets	NA	NA	NA	Space will be provided in the Common Areas. See Section 6.1.

PATIENT TREATMENT AREAS

Screening, Weights and Measures, Adult Room (GP)	EXRG4	7.43	80	Minimum up to four projected FTE providers. One additional room for increment of four providers or portion thereof.
Screening, Weights and Measures, Pediatrics Room (GP)	EXRG5	11.15	120	One per each 8 providers, for pediatric services provided.
Provider's Exam Rooms (GP)	EXRG1	11.15	120	Army - Two per projected FTE. (Also note resident examination rooms.)
	EXRG2			Navy. (See above planning range comments.)
	EXRG3			Air Force. (See above planning range comments.)
Treatment Room	TRGS1	14.86	160	One per urology service.
Dressing Cubicle (GP)	DR001	5.57	60	One cubicle per treatment room.
Nephrology Renal Study	OPNR1	11.15	120	
Urodynamics Exam (GP)	EXUD1	14.86	160	Minimum, one room per every two projected urologists.
Dedicated Urodynamics Toilet (GP)	TLTU1	5.57	60	One per Urodynamics room.

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PATIENT TREATMENT AREAS (cont)

Patient Toilet (GP)	TLTU1	5.57	60	One if number of projected FTE providers is between three and eight. Provide two toilets if number of projected FTE providers is between nine and fifteen. Provide three toilets if number of projected FTE providers is sixteen or more with a maximum of three toilets.
Satellite Lab (GP)	LBSP1	9.29	100	One drawing chair and small lab. If in clinic concept of operations.

Cystoscopy with fluoroscopy:

PATIENT AREAS (Cystoscopy)

Outpatient Clinic Cystoscopy – Radiology - <i>recommend digital combination</i>	XDCY1	27.87	300	See formula at 3.14.6. Minus number of cystoscopy rooms with fluoroscopic and optional urodynamic capability in OR. Locate in one place only: either in OR Section 4.4 or in this section. Includes x-ray control booth.
Dressing Cubicle (GP)	DR001	5.57	60	One cubicle per treatment room.
Sub-waiting	WRC01	7.43	80	Minimum. Add 40 nsf for each cystoscopy room above one.
Patient Toilet (GP)	TLTU1	5.57	60	One per cystoscopy room.
Recovery Room (GP)	RROP1	11.15	120	Minimum (1 bed). Add 120 nsf for each additional cystoscopy and urology treatment room greater than 2.
Recovery Toilet (GP)	TLTU1	5.57	60	One per recovery room.
Control and Observation (GP)	NSTA3	5.57	60	One per recovery room.
Digital Radiology Reading Room	XVC01	11.15	120	One when cystoscopy service offered.
Sterile Supply Room	OPSS1	9.29	100	One per urology clinic.
Scrub Area (GP)	ORSA1	6.50	70	Per every 2 treatment rooms. Provide 1 sink per cystoscopy room.

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STAFF AND ADMINISTRATIVE AREAS

Provider's Office (GP)	OFD01	11.15	120	Army/Air Force. One per projected FTE staff provider. (See also Residency Program section.)
	OFD02			Navy - One per projected FTE staff provider. (See also Residency Program section.)
	OFD03			Air Force - One per projected FTE staff provider. (See also Residency Program section.)
Nurse Manager's Office	OFA01	11.15	120	Private office, Standard Furniture. One per projected FTE Nurse Manager.
	OFA02			Private office, Systems Furniture. One per projected FTE Nurse Manager.
Nurses' Workroom	WRCH1	11.15	120	Army/Navy. Minimum. Add 40 nsf for each projected FTE nurse above four.
	OFA03	5.72	60	Air Force. Cubicle Systems Furniture. One per projected FTE Nurse.
NCOIC/LCPO/LPO Office	OFA01 OFA02	11.15	120	One per clinic.
Administrative Personnel with Private Offices	OFA01	11.15	120	One per projected FTE requiring a private office. See Section 2.1. Some examples are Group Practice Manager, Nurse Educator, Health Care Integrator, any staff who interviews or counsels patients.
	OFA02			
Administrative Cubicle	OFA03	5.57	60	Per projected FTE requiring a dedicated workspace but not a private office. See Section 2.1.
Patient Records Area	FILE1	5.57	60	If records are stored outside of the clinic. See Section 2.5.
Reproduction room	RPR01	9.29	100	For Copier/Fax/Mailbox distribution.
Form / Literature Storage	SRS01	11.15	120	One per clinic.
Conference Room (GP)	CRA01	23.23	250	Minimum use CRA01. One per department with less than eight officers or officer equivalents. For increase in size (CRA02 and CRA03) see Section 6.1.
	CRA02	27.87	300	
	CRA03	37.16	400	
Staff Lounge (GP)	SL001	13.01	140	Minimum. See Section 6.1 for increase in size
Staff Lockers (GP)	LR001	1.86	20	Lockers for personal property. See Section 6.1 for increase in size or for Locker Room, Changing criteria.
Staff Toilets (GP)	TLTU1	5.57	60	Minimum for total clinic staff of at least 10. See Section 6.1 for increase in size and for male/female breakdown.

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CLINIC SUPPORT AREAS

Clean Utility/Supply Room (GP)	UCCL1	11.15	120	For up to 6 projected FTE providers.
		13.94	150	For 7 - 12 projected FTE providers.
		16.72	180	For more than 12 projected FTE providers.
Soiled Utility (GP)	USCL1	8.36	90	For up to 6 projected FTE providers.
		11.15	120	If For 7 - 12 projected FTE providers.
		13.94	150	For more than 12 projected FTE providers.
Litter/Wheelchair Storage	SRLW1	5.57	60	One per clinic.
Crash Cart Alcove	RCA01	1.86	20	One per clinic. Can be shared between several clinics if fully accessible to all.
Equipment Storage	SRE01	9.29	100	One per clinic.
Urology Lab	LBUR1	7.43	80	One lab per clinic.
Scope Wash Room (GP)	USCL2	9.29	100	One per urology clinic.
Equipment Storage and Maintenance Room	SRSE1	13.94	150	One per urology clinic.

Functions which are required for Residency Education in Urology:

The following areas must be programmed if the MTF has a Urology Residency Program. These areas are in addition to those listed under common areas above.

RESIDENCY PROGRAM

Director of Residency Program (GP)	OFD01	11.15	120	Army/Air Force. One per director of residency program.
	OFD02			Navy - One per director of residency program.
	OFD03			Air Force One per director of residency program.
Secretary to Director with Visitor Waiting.	SEC01	11.15	120	One per projected FTE secretary.
Private Office	OFA01	11.15	120	One per projected FTE that requires a private office
	OFA02			
Administrative Cubicle	OFA03	5.57	60	Provide 60 nsf per projected FTE position.
Resident's Cubicle	OFA03	5.57	60	Minimum. Per projected resident.
Residency Library	LIBB1	13.01	140	One per residency program.

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RESIDENCY PROGRAM (Continued)

Conference Room (GP)	CRA01	23.23	250	Minimum, one per residency program. For increase in size see Section 2.1.
Resident's Examination Room (GP)	EXRG1	11.15	120	Army. One per projected resident. Minus the two monitored exam rooms.
	EXRG2			Navy. (See above planning range comments.)
	EXRG3			Air Force. (See above planning range comments.)
Monitored Exam Rooms - Subject & Observer Rooms (GP)	EXRG1	11.15	120	Army - Provide two exam rooms per residency program, and one COM03. These rooms use cameras and videotapes.
	EXRG2			Navy – see above planning range comment.
	EXRG3			Air Force – see above planning range comment.
	COM03	5.57	60	One room can support two rooms exam rooms.
Preceptor/Consult Rooms	OFDC1	11.15	120	One per eight staff physicians per clinic concept of operations.

3.14.6.: FORMULAS:

Cystoscopic Room Requirements:

$$\text{Cystoscopic Rooms} = \frac{(\text{annual urology visits}/52) \times 0.5}{0.6 \text{ proc per hr per room} \times 30 \text{ hr per wk}}$$