

SpaceMed Example

Detailed space planning assumptions can be found in the SpaceMed Guide and CD-ROM

Lean Space Program

Prudent Health System
Ambulatory Care Facility

Ambulatory Surgery Center

Specific Space Drivers

Projected Annual General/Specialty Cases	4,200	General/specialty surgery cases only
Weeks Per Year Patients Scheduled	50	Maximum 50 weeks per year
Percent Patients Scheduled Monday-Friday	90%	Adjust for patients scheduled on weekends; typically 90%-100%
Projected Average Daily Cases Per OR	5.0	Average of three to six general/specialty cases per OR per day
Projected Annual Cases Per OR	1,250	Annual days of operation x projected annual cases per OR
General/Specialty OR Need (at 100% utilization)	3.0	Annual cases divided by projected annual cases per OR
Scheduling Efficiency Factor	85%	Generally 75-85% for general/specialty surgery
Projected General/Specialty ORs	4	General/specialty surgery ORs
Projected Annual Cystoscopy/Minor Procedures	1,500	Cystoscopies/minor procedures not requiring surgical OR
Weeks Per Year Patients Scheduled	50	Maximum 50 weeks per year
Percent Patients Scheduled Monday-Friday	85%	Adjust for patients scheduled on weekends; typically 85%-100%
Projected Average Daily Procedures Per Room	8.0	Average of four to eight procedures per room per day
Projected Annual Procedures Per Room	2,000	Annual days of operation x projected annual procedures per room
Cysto/Procedure Room Need (at 100% utilization)	0.6	Annual procedures divided by projected annual procedures per room
Scheduling Efficiency Factor	90%	Generally 85-90% for cysto/special procedures
Projected Minor Procedure Rooms	1	Cystoscopies/minor procedures not requiring surgical OR

Detailed Space Program

Room/Area	Unit	NSF	Total NSF	Comments
Reception/Check-In/Check-Out	1	60	60	Fixed
Work Area/Office Equipment	1	60	60	Fixed; fax, copier, printer, etc.
Waiting Area Seats	18	15	270	Variable
Interview/Consult Room	1	120	120	Fixed
Wheelchair Alcove	3	10	30	Variable
Subtotal			540	Patient Intake Area
Patient Prep/Recovery Bays	14	90	1,260	Variable; based on total number of operating/procedure rooms
Private Prep/Recovery Room	2	120	240	Two minimum; enclosed room for privacy/isolation
Outpatient Discharge Lounge Bays	4	60	240	Variable
Patient Lockers/Storage	34	5	170	Variable
Patient Toilet Room (Handicapped)	4	55	220	Variable; dedicated toilet room for each private prep/recovery room
Central Charting/Work Area	1	120	120	Variable; near prep/recovery area
Medication Alcove	1	20	20	Fixed; automated medication dispensing device
Nourishment Alcove	1	20	20	Fixed; sink, undercounter refrigerator, and ice machine
Pneumatic Tube Station	0	20	0	Optional; near central charting/work area
Clean Supply Room	1	140	140	Variable
Soiled Holding Room	1	80	80	Variable
Emergency Equipment Alcove	2	20	40	Variable; one minimum
Linen Storage Alcove	2	15	30	Variable; one minimum
Portable Equipment Alcove	2	40	80	Variable; one minimum
Wheelchair/Stretcher Alcove	2	20	40	Variable; one minimum
Housekeeping Room	1	40	40	Fixed; housekeeping cart/supply storage
Subtotal			2,740	Patient Prep/Recovery Area

Ambulatory Surgery Center (continued)

Room/Area	Unit	NSF	Total NSF	Comments
Operating Room	4	560	2,240	General/specialty surgery cases; minimum clear dimension of 20 feet
Minor Procedure Room	1	320	320	Cystoscopies/minor procedures not requiring surgical OR
Scrub Station	2	60	120	Variable; three-sink unit for each two operating rooms
Communication/Control Station	1	100	100	Variable; 100 NSF minimum
Central Sterile Core	1	400	400	Variable; sterile supply holding, medication dispensing units, etc.
Substerile Area	2	80	160	Variable; flash sterilizer, blanket warmer, etc.
General Equipment Storage Room	1	180	180	Variable; 80 NSF minimum
Exchange Cart Holding/Staging Area	1	180	180	Variable
Anesthesia Equipment/Work Room	1	120	120	Variable
Medical Gas Storage Room	1	20	20	Fixed
Trash Holding	1	80	80	Fixed; recycling bins, etc.
Imaging Reading Alcove	1	40	40	Variable; one minimum
Housekeeping Room	1	40	40	Fixed; housekeeping cart/supply storage
Subtotal			4,000	Surgery/Procedure Suite
Private Office (Manager)	1	100	100	Fixed
Private Office (Supervisor)	0	100	0	Optional
Private Office (Anesthesiology)	1	100	100	Fixed
Office (Scheduling)	0	100	0	Variable; to be located remote
Office/Work Area (Pathologist)	1	100	100	Variable; includes microscope
Workstation (Nursing Staff)	4	40	160	Variable
Workstation (CRNA Staff)	4	40	160	Variable
Workstation (Physicians)	4	40	160	Variable; includes private dictation carrels
Staff Lounge	1	120	120	Variable; 80 NSF minimum
Staff Lockers/Changing Area	1	320	320	Variable; 160 NSF minimum; divided for male/female
Staff Toilet Room (Handicapped)	3	55	165	Variable; adjacent to staff lockers/changing area
Staff Shower	1	40	40	Adjacent to staff lockers/changing area and toilets
Subtotal			1,425	Administrative Support Space (Could Be Remote)
Total NSF			8,705	Net Square Feet (NSF)
NSF to DGSF Conversion Factor			1.50	<i>Accommodates internal corridors and width of walls/columns/utility shafts</i>
Total DGSF (Ambulatory Surgery Center)			13,100	Department Gross Square Feet (DGSF)