

## **CHAPTER 222: DENTAL SERVICE**

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## 1 PURPOSE AND SCOPE

This document outlines space planning criteria for services and programs provided in VA Chapter 222: Dental Service for the Department of Veterans Affairs (VA). It applies to all medical facilities at the VA.

Dental Clinics may be located in outpatient clinics, which include both freestanding community-based facilities, as well as ambulatory clinics in or directly adjacent to hospital-based services. Dental clinics may also be incorporated within hospitals to provide dental care required as an adjunct to medical care, to support an oral surgery program, and to provide routine beneficiary care.

Policies and directives, VA Subject Matter Experts (SMEs) input, and established and / or anticipated best practice guidelines / standards provide the foundation for the function and space allocation. Workload parameters determined in VA's Office of Dentistry Dental Utilization Modeler are the basis for the space criteria calculations to determine the quantity and area, Net Square Feet (NSF), for each space.

## 2 DEFINITIONS

Automated External Defibrillator (AED): An AED or automated external defibrillator is a computerized medical device which can check a person's heart rhythm. It can recognize a rhythm that requires a shock, and it can advise the rescuer when a shock is needed. AEDs are typically placed in targeted public areas such as outpatient clinics, doctor's offices, office complexes, sports arenas, gated communities, shopping malls, and many others. They are wall-mounted, highly visible, and accessible to everyone. The Americans with Disabilities Act requires that objects not protrude more than 4 inches into foot traffic areas of open aisles and walkways (hallways) unless the object's bottom edge is no higher than 27 inches from the ground.

CAD / CAM: CAD / CAM dentistry (computer-aided design and computer-aided manufacturing), is a field of dentistry using CAD or CAM technology to provide a range of dental restorations including: crowns, veneers, inlays / onlays, fixed bridges, dental implant restorations and orthodontic appliances.

Cone Beam Computerized Tomography: Cone beam computed tomography (or CBCT) is a medical imaging technique. CBCT has become increasingly important in treatment planning, diagnosis, and patient education. During a CBCT scan, the scanner rotates around the patient's head, obtaining up to nearly 600 distinct images. The result is a more accurate image without missing information and a considerably lower radiation exposure. Through the use of specialized software, these images can be used to create a virtual dental model of the patient.

Conscious Sedation: Conscious sedation induces an altered state of consciousness where patients are awake and are usually able to respond to verbal cues throughout the procedure, communicating any discomfort they experience to the provider.

Dental Hygienist: Dental professional specializing in preventive dental care to include cleaning teeth, periodontal maintenance and educating patients in proper oral hygiene.



Dental Utilization Modeler: A VA produced planning tool used to determine the Dental Clinical Resources for a given year for VA Dental Clinics. The modeler addresses each Dental Clinic at the administrative parent level within the VA system by considering workload measured in RVUs, staffing, and space requirements. “What-if” scenarios are easily performed using the Dental Utilization Modeler.

Dentist: A medical professional trained in the evaluation, diagnosis, prevention and treatment of diseases and conditions of the teeth and associated oral structures.

Dental X-ray: Intra-oral, Panoramic, Cephalometric: Cephalometric x-rays capture a radiographic image of the entire head, usually in profile. Intra-oral x-rays provide an image of several teeth at a time, and panoramic x-rays generate a “wrap-around” image of the patient’s mouth.

Digital Dentistry: Digital dentistry is any dental technology or device that incorporates digital or computer-controlled components.

Endodontics: The dental specialty concerned with the morphology, physiology and pathology of the dental pulp and associated tissues. The most common procedure done in endodontics is root-canal therapy.

General Practice Dental Resident: A dentist participating in an accredited post-doctoral dental training program that provides experience in a comprehensive range of dental care. Residency programs may be 1 or 2 years in duration.

Maxillofacial: Of or relating to the jaws and face with particular reference to specialized surgery of mouth and adjoining structures, often referred to as maxillofacial surgery.

Oral Surgeon: A dentist who specializes in oral and maxillofacial surgery including surgery of the mouth and removal of teeth.

Panoramic / Cephalometric (Pan-Ceph): The Pan-Ceph x-ray is a full lateral high-contrast view of the bony tissues of the head including the mandible, used to make accurate volumetric measurements, evaluate dentofacial proportions and clarify the anatomic basis for a malocclusion.

Panoramic x-ray: A type of extraoral x-ray that shows the entire mouth (all the teeth in both the upper and lower jaws) on a single image using specialized equipment. A panoramic x-ray image allows the dentist to detect the position of erupted as well as erupting teeth, identify impacted teeth, and aid in the diagnosis of tumors.

Picture Archiving and Communication System (PACS): A medical imaging technology which provides economical storage of, and convenient access to, images generated from digital radiography devices.

Periodontics: The dental specialty that includes the prevention, diagnosis, and treatment of diseases of the gums and supporting structures of the teeth, and the maintenance of the health of these tissues and structures.



Prep / Recovery Room: Depending on the facility and the mission, after oral surgery procedures, a patient may be allowed to recover in the surgical room, or the patient may be walked to a recliner chair to recover in a recovery room. Sometimes, oral surgeons perform long, complicated procedures in a hospital or in an ambulatory surgery center; in this case a gurney may be used to transfer a patient to the recovery room.

Prosthodontics: The area of dentistry that included the diagnosis, treatment planning, rehabilitation, and maintenance of patients with complex restorative conditions. Patients may have missing teeth and / or oral tissues that can be rehabilitated with crowns, veneers, fixed and removable partial dentures, and implant-supported prostheses.

Relative Value Unit (RVU): A numeric measure of workload developed by VA's Dental Coding Committee absent other CMS measurement standards. One RVU approximates one minute of provider time to deliver clinical patient services based on the original assumption that only one dental operator and only one dental assistant is available to the provider. Current studies indicate greatest efficiency when the assistant to provider ratio is minimally 1.75:1. The assistant to provider ratio is highly correlated to the treatment room to provider ratio which should always exceed the former.

### **Space Planning / SEPS**

Accessible: A site, building, facility, or portion thereof that complies with provisions outlined in the Architectural Barriers Act of 1968 (ABA).

Architectural Barriers Act (ABA): A set of standards developed to ensure that all buildings financed with federal funds are designed and constructed to be fully accessible to everyone. This law requires all construction, renovation, or leasing of sites, facilities, buildings, and other elements, financed with federal funds, to comply with the Architectural Barriers Act Accessibility Standards (ABAAS). The ABAAS replaces the Uniform Federal Accessibility Standards (UFAS).

Average Length of Encounter (ALoE): Averaged length of time, in minutes, a patient spends in an Exam / Treatment Room interacting with a provider and the clinical support team. It is accounted from room "set-up" to "clean-up" by staff. This metric is used to determine the number of annual patient / provider encounters that take place in an Exam / Treatment Room which, in turn, is used to calculate the number of Exam / Treatment Rooms needed in a facility based on projected annual workload. The ALoE is determined with VHA SME input during a PG-18-9 clinical chapter revision / update.

Average Length of Stay (ALoS): The average number of days a patient Veteran stays in an inpatient care unit. The ALoS is used to calculate the number of patient bedrooms for a specialty by dividing the site's projected workload by the ALoS.



**Building Gross (BG) Factor:** A Factor applied to the sum of all the Departmental Gross Square Footage (DGSF) in a project to determine the Building Gross Square Footage. This factor accounts for square footage used by the building envelope, structural systems, horizontal and vertical circulation including main corridors, elevators, stairs and escalators, shafts, and mechanical spaces. The Department of Veterans Affairs has set this factor at 1.35 and included guidance in case of variance when developing a Program for Design (PFD) in SEPS.

**Clinic Stop:** Per these criteria, a clinic stop is the workload unit of measure for space planning. Clinic Stops are codified by VSSC, when applicable, they are referenced by number in the calculation of workload driven patient care spaces in this document.

**Department Net to Gross (DNTG) Factor:** A parameter, determined by the VA for each clinical and non-clinical department PG-18-9 space planning criteria chapter, used to convert the programmed Net Square Feet (NSF) area to the Department Gross Square Feet (DGSF) area.

**Encounter:** An interaction between a patient Veteran and a VA provider or providers in an Exam Room / Treatment Room / Consultation Room / Procedure Room, spaces where a patient Veteran received clinical care.

**Full-Time Equivalent (FTE):** A staffing parameter equal to the amount of time assigned to one full time employee. It may be composed of several part-time employees whose combined time commitment equals that of one full-time employee (i.e., 40 hours per week).

**Functional Area (FA):** The grouping of rooms and spaces based on their function within a clinical service or department.

**Functional Area Criteria Statement (FACS):** A verbalized mathematical / logical formulation assigned to a FA incorporating answers to Input Data Statements (IDSs) to determine the condition for providing the rooms / spaces listed in the FA in the baseline space program or Program for Design (PFD) for a project. Certain rooms / spaces may or may not have additional conditions.

**Input Data Statement(s):** A question or set of questions designed to elicit information about the healthcare project to generate a Program for Design (PFD) based on the parameters set forth in this set of documents. This information is processed through mathematical and logical operations in the VA Space and Equipment Planning System (SEPS).

**JSN (Joint Schedule Number):** A unique five alpha-numeric code assigned to each content item in the PG-18-5 Standard. JSNs are defined in DoD's Military Standard 1691 and included in SEPS Content Table.

**Net Square Feet / Net Square Meters (NSF/NSM):** The area of a room or space derived from that within the interior surface of the bounding walls or boundaries.



Patient Unique: (or Unique Patient), A Veteran patient counted as a unique in each division from which they receive care. Patient Uniques are included in the Registry for a VA Medical Center.

Program for Design (PFD): A project specific itemized listing of the spaces, rooms, and square foot area required for the proper operation of a specific service / department, and the corresponding area for each. PFDs are generated by SEPS based on the PG-18-9 Standard.

PG-18-5: A Department of Veterans Affairs' Equipment Guidelist Standard for planning, design, and construction of VA healthcare facilities; a Program Guide (PG) that lists assigned room contents (medical equipment, furniture, and fixtures) to each room in PG-18-9. PG-18-5 follows PG-18-9's chapter organization and nomenclature.

PG-18-9: A Department of Veterans Affairs' Program Guide for the Space Planning Criteria Standard use to develop space planning guidance for the planning, design, and construction of VA healthcare facilities; a Program Guide (PG) that provides space planning guidance for VA Medical Centers (VAMCs) and Community Bases Outpatient Clinics (CBOCs). PG-18-9 is organized by chapters, as of September 2021 there are 56 clinical and non-clinical PG-18-9 chapters; they are implemented and deployed in SEPS so that space planners working on VA healthcare projects can develop baseline space programs.

PG-18-12: A Department of Veterans Affairs' Design Guide Standard for planning, design and construction of VA healthcare facilities, a Program Guide (PG) that provides design guidance for VA Medical Centers (VAMCs) and Community Bases Outpatient Clinics (CBOCs). The narrative section details functional requirements and the Room Template section details the planning and design of key rooms in PG-18-9. Not all PG-18-9 chapters have a corresponding PG-18-12 Design Guide; one Design Guide can cover more than one PG-18-9 chapter.

Provider: An individual who examines, diagnoses, treats, prescribes medication, and manages the care of patients within his or her scope of practice as established by the governing body of a healthcare organization.

Room Area: The square footage required for a clinical or non-clinical function to take place in a room / space. It takes into account the floor area required by equipment (medical and non-medical), furniture, circulation, and appropriate function / code-mandated clearances. Room area is measured in Net Square Feet (NSF).

Room Code (RC): A unique five alpha-numeric code assigned to each room in the PG-18-9 Standard. Room Codes in PG-18-9 are unique to VA and are the basis for SEPS's Space Table for VA projects.

Room Criteria Statement (RCS): A mathematical / logical formulation assigned to each room / space included in PG-18-9 incorporating answers to Input Data Statements (IDSs) to determine the provision of the room / space in the baseline space program or Program for Design (PFD) for a project.



**Room Efficiency Factor:** A factor that provides flexibility in the utilization of a room to account for patient delays, scheduling conflicts, and equipment maintenance. Common factors are in the 75% to 85% range. A room with 80% room efficiency provides a buffer to assume that this room would be available 20% of the time beyond the planned operational practices for this room. This factor may be adjusted based on the actual and/or anticipated operations and processes of the room/department at a particular facility.

**SEPS:** Acronym for Space and Equipment Planning System which produces equipment lists and Program for Design for a healthcare project based on specific information entered in response to Input Data Questions.

**SEPS Importer:** A style-based format developed to allow upload of RCSs and IDs to SEPS to implement and operationalize space planning criteria in PG-18-9 in the SEPS digital tool. This format establishes the syntax used in the RCSs and allows the use of Shortcuts. Shortcuts allow developers of space planning criteria statements to simplify RCSs making full use of their logical and mathematical functionality. A shortcut can refer to an RCS, a room in any FA or a formula. Shortcuts are [bracketed] when used in FAs and RCSs and are listed along with their equivalences at the end of the Space Planning Criteria section.

**Space Planning Concept Matrix (SPCM):** A working document developed during the chapter update process. It lists all the rooms organized by Functional Area and establishes ratios between the directly and the indirectly workload driven rooms for the planning range defined in this document. The matrix is organized in ascending workload values in ranges reflecting existing facilities and potential future increase. Section 5 of this document Space Planning Criteria reflects the values in the SPCM.

**Stop Code:** A measure of workload including clinic stops forecasted by the Office of Policy and Planning (OPP) for all Strategic Planning Categories at Medical Center and Outpatient Clinic levels.

**Telehealth:** The use of technology, such as computers and mobile devices, to manage healthcare remotely. It includes a variety of health care services, including but not limited to online support groups, online health information and self-management tools, email and online communication with health care providers, remote monitoring of vital signs, video, or online doctor visits. Depending on the concept of operations for this space, it may be equipped as an exam room or as a consult room with video/camera capability.

**Utilization Rate:** A factor used in the calculation of a directly workload-driven room throughput. It represents, in a percent value, the room is idle based on the planning assumptions. For example, if a directly workload-driven room is available for use 8 hours a day, the Utilization Rate represents the assumed time it will be used, an 85% utilization rate indicates, for planning purposes, the room will be used 6.8 hours a day. An additional directly workload-driven room will be provided in the calculation once the previous room has reached 100% utilization. The utilization Rate is embedded in the Room Throughput value calculated in Section 3 of this document.



VA Room Family (VA RF): An organizational system of rooms / spaces grouped by function, a 'Room Family'. There are two "Orders" in the VA RF: Patient Care and Patient Care Support; Patient Care features four sub-orders: Clinical, Inpatient, Outpatient and Residential Clinical. There are also four sub-orders in the Patient Care Support order: Building Support, Clinical Support, Staff Support and Veteran Support. Each room in a Family has a unique Room Code and NSF assigned based on its Room Contents and function which correspond to the specific use of the room. The same RC can be assigned to different Room Names with the same function in this document and can be assigned an NSF that varies based on the PG-18-5 Room Contents assigned to the room.

VA Technical Information Library (TIL): A resource website maintained by the Facilities Standards Service (FSS) Office of Construction and Facilities Management (CFM) containing a broad range of technical publications related to the planning, design, leasing, and construction of VA facilities. VA-TIL can be accessed at: <https://www.cfm.va.gov/TIL/>

Workload: Workload is the anticipated number of procedures, clinic stops, clinic encounters etc. that is processed through a department/service area. The total workload applied to departmental operational assumptions will determine overall room requirements by modality.

Workstation: Area outfitted with equipment and furnishings, typically allocated 56 NSF each. Managers and other staff with no direct reports as well as part-time, seasonal, and job-sharing staff may qualify for a workstation. Such environments are particularly conducive to team-oriented office groupings. These environments work best when they have access to conference and small group meeting spaces.

### **3 OPERATING RATIONALE AND BASIS OF CRITERIA**

- A. Space planning criteria included in this Standard have been specifically developed for this Department / Service in a Department of Veterans Affairs healthcare facility based on established VHA policy and guidelines to define the scope of services provided for the existing workload demand as well as that in the foreseeable future. Rooms and Functional Areas are provided based on research of clinical and non-clinical activities performed in this Department.
- B. Development / update of VA's Program Guide (PG) standards is a research based effort executed with participation of VHA Subject Matter Experts (SMEs), VA-Construction and Facilities Management Office (CFM) professional staff and specialty consultants hired for the task. These space planning standards are based on current applicable VHA policies and guidelines, established and/or anticipated best practice standards, and latest medical technology developments. Workload metrics were tailored to satisfy current and anticipated veteran workload demand.





- C. The space planning component of PG-18-9 is based on the Space Planning Concept Matrix (SPCM) which lists all the rooms organized by Functional Area and assigns room quantity (Q) and area (NSF) for a series of ranges corresponding to the smallest to the largest department for this service in the VA healthcare system in incremental size; each range corresponds to a workload parameter which determines the number and area of each directly workload-driven room. The remainder of the rooms in the range i.e., waiting, storage, staff workstations, etc. are determined by ratios to the resulting number of or NSF of the workload-driven rooms.
- D. Sections 4 and 5 of these space planning standards as well as the PG-18-5 standard are implemented in the Space and Equipment Planning System (SEPS) and hosted at the MAX.gov website so planners working on VA Construction projects can develop single or multi-department projects based on these PG-18-9- and the PG-18-5 standards. Output from SEPS is through Space and Contents Reports; the Space Report is the Program for Design (PFD), the Content Report is the Project Room Contents (PRC). Inclusion of a Functional Area as well as Room quantity (Q) and determination of the room area (NSF) in the PFD is based on the projected Workload input which triggers calculations included in the Room Criteria Statements (RCSs). The RCSs are placed immediately after each room name, room code and baseline area (NSF). The PRC list the medical equipment, furniture and fixtures associated to each Room Code in the project. The PFD & PRC are the baseline requirements for the planning phase of a VA project based on a site's projected workload for the target planning year. This chapter's corresponding PG-18-12, Design Guide -if available- is intended for use during the design phase of the project.
- E. Space Planning parameters and metrics in this document are based on the Dental Service Space Planning Criteria Matrix (SPCM) developed as the basis for this chapter. The Dental Service SPCM lists all the spaces a VA Dental Service site would require; the quantity and NSF for each room is calculated based on the Dental Service projected workload or number of FTE positions authorized. The SPCM is organized in 20 ranges, each range represents an incremental workload value of 1 Dental Treatment Room (DTR). Planner shall consult the VA Office of Dentistry Dental Modeler to determine projected number of DTRs for a site prior to starting a Dental Clinic project in SEPS. Current VA Dental Service sites are covered in the SPCM. The upper ranges are calculated for future facilities in case a higher projected workload or FTE positions authorized than those at the present time for Dental Service.
- F. The SPCM metrics are translated into one (or more) Room Criteria Statement (RCS) for each room in Section 5 of this document. The SPCM Planning Range, the maximum number of directly workload-driven patient bedroom, in this document is 20. If a project shall require provision of workload driven rooms above the maximum range value refer to CFM for guidance. Rooms in this space planning document are organized in 7 Functional Areas (FAs).



- G. Based on its intended function, each room / space is assigned a:
1. Room Name (RN),
  2. Room Code (RC),
  3. Room Area, the Net Square Feet (NSF) and its corresponding “soft metric” Net Square Meters (NSM),
  4. Unique Room Criteria Statement(s) (RCSs) correlated to answers to Input Data Statements (IDSs), and
  5. Room Comment as needed.
- H. The Room Codes included in this chapter stem from the VA Room Family. A unique support space, that may have variable area, is assigned a unique Room Code and adopts the square footage, as needed, correlated to the room contents assigned which in turn correspond to the range for those rooms. A unique clinical space or a direct clinical support room, i.e., control room, system components room, etc. typically does not feature variable NSF. Patient Care room names for rooms unique to this chapter end in “, Dental Clnc”. Patient Care Support room names end in “, Bldg Sprt”, “Clncl Sprt”, “Stff Sprt”, or “, Vet Sprt”, correlating to Building, Clinical, Staff or Veteran Support room families.
- I. Section 5, Sub-Section H lists the SEPS Importer Shortcuts used for implementation of Sections 4 & 5 in SEPS. These shortcuts are inserted into the Room Criteria Statement (RCS) for each room which upon upload into the Space and Equipment Planning System (SEPS) allowing planners developing VA healthcare projects to determine quantity and square footage of each room by performing mathematical or logical calculations. Shortcuts refer Input Data Statements (IDSs), Rooms or calculation parameters stemming from the SPCM.
- J. SEPS is accessible to government healthcare planners and private sector consultants working on VA HC projects during their Period of Performance (PoP) through the MAX.gov website; government provided Training is a requisite for access.
- K. SEPS incorporates a Net-to-Department Gross factor (NTDG) factor of **1.55** for Dental Service and a Building Gross factor of 1.35 in the space calculation to generate the Department Gross Square Feet (DGSF) and the Building Gross Square Feet (BGSF) respectively for the project based on the aggregate resulting Net Square Feet (NSF) for each range. Planners can adjust the BGSF factor in SEPS; the NTDG factor is fixed.
- L. Refer to the chapter corresponding PG-18-5 Equipment Guidelist for the Room Content assignment for each room during the planning phase of a project.
- M. Refer to the chapter corresponding PG-18-12: Design Guide, if available, during the planning and design phases of a project. Not all PG-18-9 clinical chapters have a corresponding PG-18-12 document, please refer to the VA-TIL.
- N. The space planning and design Program Guides: PG-18-9, PG-18-5, and PG-18-12 are available at the [Department of Veterans Affairs Office of Construction and Facilities Management \(CFM\) Technical Information Library \(TIL\)](#) website.



**4 INPUT DATA STATEMENTS (IDS)**

- A. How many Multifunctional Dental Treatment Rooms (DTRs) are projected? (Misc)  
(Values: 2 to 20)
- B. Is a Dental Surgery Suite authorized? (M)
- C. Is a Panoramic / Cephalometric x-ray authorized? (M)
- D. Is a Computerized Tomography (CT) Cone-Beam Room authorized? (M)

**5 SPACE PLANNING CRITERIA**

**A. FA 1: RECEPTION AREA**

- 1. Dental Clnc Waiting, Bldg Sprr (SB003) ..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is 2
  - b. Provide one at 130 NSF if [Multifunctional Dental Treatment Rooms projected] is 3
  - c. Provide one at 170 NSF if [Multifunctional Dental Treatment Rooms projected] is 4
  - d. Provide one at 215 NSF if [Multifunctional Dental Treatment Rooms projected] is 5
  - e. Provide one at 260 NSF if [Multifunctional Dental Treatment Rooms projected] is 6
  - f. Provide one at 290 NSF if [Multifunctional Dental Treatment Rooms projected] is 7
  - g. Provide one at 330 NSF if [Multifunctional Dental Treatment Rooms projected] is 8
  - h. Provide one at 370 NSF if [Multifunctional Dental Treatment Rooms projected] is 9
  - i. Provide one at 415 NSF if [Multifunctional Dental Treatment Rooms projected] is 10
  - j. Provide one at 465 NSF if [Multifunctional Dental Treatment Rooms projected] is 11
  - k. Provide one at 520 NSF if [Multifunctional Dental Treatment Rooms projected] is 12
  - l. Provide one at 530 NSF if [Multifunctional Dental Treatment Rooms projected] is 13
  - m. Provide one at 540 NSF if [Multifunctional Dental Treatment Rooms projected] is 14
  - n. Provide one at 575 NSF if [Multifunctional Dental Treatment Rooms projected] is 15
  - o. Provide one at 615 NSF if [Multifunctional Dental Treatment Rooms projected] is 16
  - p. Provide one at 640 NSF if [Multifunctional Dental Treatment Rooms projected] is 17
  - q. Provide one at 675 NSF if [Multifunctional Dental Treatment Rooms projected] is 18
  - r. Provide one at 695 NSF if [Multifunctional Dental Treatment Rooms projected] is 19
  - s. Provide one at 720 NSF if [Multifunctional Dental Treatment Rooms projected] is 20



- 2. Dental Clnc Playroom, Chldcr Ctr (SS091) ..... 80 NSF (7.5 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide one at 100 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*

This space is provided to accommodate children’s play activities; it shall be outfitted with appropriate furniture and accessories. It can be an open or enclosed area included in or adjacent to Waiting.

- 3. Dental Clnc Reception, Clnc Sprt (SC183) ..... 85 NSF (7.9 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide one at 260 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - c. *Provide one at 385 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates two Receptionist FTEs, patient privacy area, and circulation.

- 4. Dental Clnc Patient Check-in Kiosk, Clnc Sprt (SC165) ..... 55 NSF (5.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - c. *Provide three if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates two display kiosks, patient privacy area and circulation. Per VA National Kiosk Plan, locate near Waiting and Reception.

- 5. Dental Clnc Patient Education Workstation, Clnc Sprt (SC172)..... 40 NSF (3.8 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - c. *Provide three if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

- 6. Dental Clnc Wheelchair Alcove, Bldg Sprt (SB262) ..... 30 NSF (2.8 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide one at 50 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*



- 7. Dental Clnc Visitor Toilet, Bldg Sprt (SB191) ..... 60 NSF (5.6 NSM)**  
*a. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20*

Allocated NSF accommodates one accessible toilet @ 25 NSF, one wall-hung lavatory @ 12 NSF, ABA clearances, and circulation. Provide one for male and one for female.

**B. FA 2: DENTAL TREATMENT PATIENT AREA**

- 1. Dental Clnc Dental Treatment Patient Waiting, Bldg Sprt (SB003) ..... 80 NSF (7.5 NSM)**  
*a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*  
*b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10*  
*c. Provide three if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*  
*d. Provide four if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated space accommodates one standard chair @ 9 NSF each, one bariatric chair @ 14 NSF, one accessible space @ 10 NSF, and circulation; total three people.

- 2. Dental Clnc Consult Room, Clnc Sprt (SC271).....120 NSF (11.2 NSM)**  
*a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*  
*b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*

In addition to patient consultation, patient education will take place in this room.

- 3. Panoramic / Cephalometric X-Ray Room, Dental Clnc (CDS03) .....120 NSF (11.2 NSM)**  
*a. Provide one if [Panoramic / Cephalometric x-ray is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*  
*b. Provide two if [Panoramic / Cephalometric x-ray is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
- 4. Dental Cone-Beam CT Room, Dental Clnc (CDS05).....120 NSF (11.2 NSM)**  
*a. Provide one if [Computerized Tomography (CT) Cone-Beam Room is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*  
*b. Provide two if [Computerized Tomography (CT) Cone-Beam Room is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*



- 5. Dental Cone-Beam CT Control Room, Dental Clnc (CDS06) ..... 30 NSF (2.8 NSM)**
  - a. *Provide one if [Computerized Tomography (CT) Cone-Beam Room is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Computerized Tomography (CT) Cone-Beam Room is authorized] and [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
  
- 6. Multifunctional Dental Treatment Room (DTR),  
Dental Clnc (CDS11) .....120 NSF (11.2 NSM)**
  - a. *Provide one per each [Multifunctional Dental Treatment Rooms projected]*
  
- 7. Special Needs Dental Treatment Room (DTR),  
Dental Clnc (CDS13) .....150 NSF (14.0 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
  
- 8. Endodontics Dental Treatment Room (DTR),  
Dental Clnc (CDS15) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
  
- 9. Dental Clnc PACS Viewing Room, Imgng Svcs (CI501) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
  
- 10. Dental Clnc Telehealth Room, Clnc Sprt (SC249) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*

This room can also be used for patient education.
  
- 11. Dental Clnc Team Room, Clnc Sprt (SC243) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide one at 240 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - c. *Provide one at 360 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*



- 12. Dental Cln Crash Cart Alcove, Clnl Sprt (SC052) ..... 20 NSF (1.9 NSM)**  
a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10  
b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20
- 13. Dental Cln Patient Toilet, Bldg Sprt (SB201) ..... 60 NSF (5.6 NSM)**  
a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5  
b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20
- Allocated NSF accommodates one accessible toilet @ 25 NSF, one accessible wall-hung lavatory @ 13 NSF, ABA clearances, and circulation.
- 14. Dental Cln Medication Room, Phrm Svc (SV583) ..... 100 NSF (9.3 NSM)**  
a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5  
b. Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15  
c. Provide one at 140 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 15. Clean Dental Supply Room, Dental Cln (CDS21) .....120 NSF (11.2 NSM)**  
a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5  
b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10  
c. Provide three if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15  
d. Provide four if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 16. Sterile Instruments Storage Room, SPS (SC951)..... 100 NSF (9.3 NSM)**  
a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10  
b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20



- 17. Supply Storage Room, Dental Cln (CDS26) ..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 140 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
  
- 18. Dental Cln Mobile Equipment Storage Room, Clnl Sprt (SC092) ..... 80 NSF (7.5 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 100 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 140 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20

**C. FA 3: DENTAL SURGERY SUITE PATIENT AREA**

FA Condition: [Dental Surgery Suite is authorized]

- 1. Dental Surgery Patient Waiting, Bldg Sprt (SB003) ..... 80 NSF (7.5 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15
  - b. Provide one at 130 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20

Allocated space accommodates one standard chair @ 9 NSF each, one bariatric chair @ 14 NSF, one accessible space @ 10 NSF, and circulation; total three people.

- 2. Dental Surgery Patient Toilet, Bldg Sprt (SB201)..... 60 NSF (5.6 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20

Allocated NSF accommodates one accessible toilet @ 25 NSF, one accessible wall-hung lavatory @ 13 NSF, ABA clearances, and circulation. Provide one for male and one for female.

- 3. Dental Surgery Patient Prep / Recovery Room, Dental Cln (CDS41) ..... 80 NSF (7.5 NSM)**
  - a. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15
  - b. Provide four if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20





- 4. Dental Surgery Scrub Area, Dental Cln (CDS46)..... 60 NSF (5.6 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 5. Dental Surgery Operating Room (OR), Dental Cln (CDS47) .....225 NSF (21.0 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 6. Dental Surgery Staff Workroom, Clnl Sprt (SC231) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Flexible, shared open workspace for surgical staff (providers & technicians).

- 7. Dental Surgery Equipment Storage Room, Dental Cln (CDS49) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 8. Dental Surgery Crash Cart Alcove, Clnl Sprt (SC052) ..... 20 NSF (1.9 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20*
- 9. Dental Surgery Blanket Warmer Alcove, Clnl Sprt (SC010) ..... 20 NSF (1.9 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20*
- 10. Dental Surgery Clean Utility Room, Lgstcs Svc (SB737) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 180 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 11. Dental Surgery Soiled Utility Room, Lgstcs Svc (SB743) ..... 100 NSF (9.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 180 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*



- 12. Dental Surgery Clean Linen Room, EMS (SC471) ..... 60 NSF (5.6 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 75 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 13. Dental Surgery Soiled Linen Room, EMS (SC452) ..... 60 NSF (5.6 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 75 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

**D. FA 4: DENTAL LABORATORIES**

- 1. General Purpose Laboratory, Dental Clnc (CDS51).....280 NSF (26.1 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 340 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Minimum allocated NSF accommodates three workstations at 60 NSF, storage space for flammable storage cabinet and circulation.

- 2. Porcelain / Ceramics Laboratory, Dental Clnc (CDS61).....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates one workstation, flammable storage cabinet and circulation.

- 3. Maxillo-Facial Laboratory, Dental Clnc (CDS63) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates one workstation, flammable storage cabinet and circulation.

- 4. Machine Milled Restorations Laboratory, Dental Clnc (CDS65)..... 60 NSF (5.6 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates one workstation, flammable storage cabinet and circulation.



- 5. Acrylic Processing Laboratory, Dental Clnc (CDS67) ..... 50 NSF (4.7 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 6. Acrylic Finishing Laboratory, Dental Clnc (CDS69) ..... 50 NSF (4.7 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 7. Cast Metal Laboratory, Dental Clnc (CDS71) ..... 60 NSF (5.6 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 8. Laboratory Shipping / Receiving Room, Dental Clnc (CDS73) .....180 NSF (16.8 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20*
- 9. Expendable Laboratory Supplies Storage Room, Dental Clnc (CDS76) .....180 NSF (16.8 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide one at 240 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 10. Laboratory Models Storage Room, Dental Clnc (CDS81) .....120 NSF (11.2 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide one at 180 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
- 11. Precious Metals Storage Room, Dental Clnc (CDS91) ..... 15 NSF (1.4 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20*
- 12. Dental Models Processing Workroom, Dental Clnc (CDS92).....120 NSF (11.2 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. Provide one at 180 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*



- 13. Laboratory Equipment Storage Room, Dental Clnc (CDS93) .....180 NSF (16.8 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - b. *Provide one at 240 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

**E. FA 5: SUPPORT AREA**

- 1. Dental Clnc Receiving Workstation, Stff Sprt (SS218) ..... 56 NSF (5.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
- 2. Instrument Supply / Receiving, Dental Clnc (CDS94) ..... 90 NSF (8.4 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
- 3. Dental Clnc Gas Cylinders Storage Room, Lgstcs Svc (SB541) ..... 80 NSF (7.5 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide one at 100 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*

Formerly Storage, Chemicals / Corrosives. Centrally piped gas.

- 4. Dental Clnc Wheelchair / Lift Storage Room, Bldg Sprt (SB264) ..... 60 NSF (5.6 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide one at 100 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*
- 5. Dental Clnc CAD/CAM Alcove, Clnc Sprt (SC013) ..... 30 NSF (2.8 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20*
- 6. Dental Clnc AED Alcove, Clnc Sprt (SC007) ..... 15 NSF (1.4 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20*



- 7. Dental Clnc Clean Utility Room, Lgstcs Svc (SB737) ..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 130 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 190 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 8. Dental Clnc Soiled Utility Room, Lgstcs Svc (SB743) ..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 130 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 190 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 9. Dental Equipment Mechanical Room, Dental Clnc (CDS95).....120 NSF (11.2 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20
- 10. Dental Clnc Housekeeping Aides Closet (HAC),  
Bldg Sprt (SB244) ..... 60 NSF (5.6 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20

**F. FA 6: STAFF AND ADMINISTRATIVE AREA**

- 1. Dental Clnc Chief Office, Stff Sprt (SS204)..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20
- 2. Dental Clnc Director Office, Stff Sprt (SS204)..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20
- 3. Dental Clnc Administrative Officer (AO) Office,  
Stff Sprt (SS204) ..... 100 NSF (9.3 NSM)**
  - a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20



- 4. Dental Cln Assistant Workstation, Stff Sprt (SS218) ..... 56 NSF (5.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10*
  - c. *Provide three if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*
  - d. *Provide four if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*
  
- 5. Dental Cln Staff Dentist Workstation, Stff Sprt (SS218) ..... 56 NSF (5.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 2*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 3 and 4*
  - c. *Provide three if [Multifunctional Dental Treatment Rooms projected] is between 5 and 6*
  - d. *Provide four if [Multifunctional Dental Treatment Rooms projected] is between 7 and 8*
  - e. *Provide five if [Multifunctional Dental Treatment Rooms projected] is between 9 and 10*
  - f. *Provide six if [Multifunctional Dental Treatment Rooms projected] is between 11 and 12*
  - g. *Provide seven if [Multifunctional Dental Treatment Rooms projected] is between 13 and 14*
  - h. *Provide eight if [Multifunctional Dental Treatment Rooms projected] is between 15 and 16*
  - i. *Provide nine if [Multifunctional Dental Treatment Rooms projected] is between 17 and 18*
  - j. *Provide ten if [Multifunctional Dental Treatment Rooms projected] is between 19 and 20*
  
- 6. Dental Cln Staff Workstation, Stff Sprt (SS218) ..... 56 NSF (5.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10*
  - c. *Provide three if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*
  - d. *Provide four if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*



- 7. Dental Clnc Staff Conference Room, Educ Svc (SS101) .....240 NSF (22.3 NSM)**
- a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide one at 300 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10*
  - c. *Provide one at 500 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*
  - d. *Provide one at 675 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

Allocated NSF accommodates ten conference chairs @ 7.5 NSF each, four 5'-0" x 2'-0" tables at 10 NSF each, one credenza @ 8 NSF, and circulation; total ten people.

- 8. Dental Clnc Team Room, Clnc Sprt (SC243) .....240 NSF (22.3 NSM)**
- a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 4*
  - b. *Provide one at 360 NSF if [Multifunctional Dental Treatment Rooms projected] is between 5 and 10*
  - c. *Provide two at 240 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*
  - d. *Provide two at 360 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

- 9. Dental Clnc Secure Documents Storage Room, Clnc Sprt (SC195) ..... 80 NSF (7.5 NSM)**
- a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide one at 100 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 15*
  - c. *Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

- 10. Dental Clnc Copy / Supply Room, Stff Sprt (SS272) ..... 80 NSF (7.5 NSM)**
- a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10*
  - b. *Provide two if [Multifunctional Dental Treatment Rooms projected] is between 11 and 20*



- 11. Dental Clnc Staff Breakroom, Stff Sprt (SS262) ..... 100 NSF (9.3 NSM)**
- a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 120 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 140 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 160 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 12. Dental Clnc Female Staff Locker Room, Stff Sprt (SS232) ..... 100 NSF (9.3 NSM)**
- a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 150 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 200 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 250 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 13. Dental Clnc Male Staff Locker Room, Stff Sprt (SS241) ..... 100 NSF (9.3 NSM)**
- a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5
  - b. Provide one at 150 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10
  - c. Provide one at 200 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15
  - d. Provide one at 250 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20
- 14. Dental Clnc Staff Toilet, Bldg Sprt (SB191) ..... 60 NSF (5.6 NSM)**
- a. Provide two if [Multifunctional Dental Treatment Rooms projected] is between 2 and 10
  - b. Provide four if [Multifunctional Dental Treatment Rooms projected] is between 6 and 20
- Allocated NSF accommodates one accessible toilet @ 25 NSF, one wall-hung lavatory @ 12 NSF, ABA clearances, and circulation.
- 15. Dental Clnc Staff Female Staff Shower, Bldg Sprt (SB173) ..... 85 NSF (7.9 NSM)**
- a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20
- 16. Dental Clnc Staff Male Staff Shower, Bldg Sprt (SB184) ..... 85 NSF (7.9 NSM)**
- a. Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20





### **G. FA 7: EDUCATION AREA**

- 1. Dental Clnr Residency Director Office, Stff Sprt (SS204) ..... 100 NSF (9.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20*
- 2. Dental Clnr Auxiliary Training Coordinator Workstation, Stff Sprt (SS218) ..... 56 NSF (5.3 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 20*
- 3. Dental Clnr Resident Team Room, Clncl Sprt (SC243) .....120 NSF (11.2 NSM)**
  - a. *Provide one if [Multifunctional Dental Treatment Rooms projected] is between 2 and 5*
  - b. *Provide one at 240 NSF if [Multifunctional Dental Treatment Rooms projected] is between 6 and 10*
  - c. *Provide one at 360 NSF if [Multifunctional Dental Treatment Rooms projected] is between 11 and 15*
  - d. *Provide one at 480 NSF if [Multifunctional Dental Treatment Rooms projected] is between 16 and 20*

This room should contain one workstation per Resident at 60 NSF. In addition to the workstations, a table with chairs for collaboration space and bookcases will be provided.

### **H. SEPS IMPORTER SHORTCUTS**

The following shortcuts are used in the Room Criteria Statements in the Dental Service Functional Areas. These shortcuts are used during upload of this document into the Space and Equipment Planning System (SEPS) software during implementation of the space planning parameters contained herewith to allow for mathematical or logical calculations to be performed. Input Data Statements (IDSs), Rooms or a partial calculation formula can have a shortcut.

1. *Multifunctional Dental Treatment Rooms projected:* [How many Multifunctional Dental Treatment Rooms (DTRs) are projected? (Misc)]
2. *Panoramic / Cephalometric x-ray is authorized:* [Is a Panoramic / Cephalometric x-ray authorized?]
3. *Computerized Tomography (CT) Cone-Beam Room is authorized:* [Is a Computerized Tomography (CT) Cone-Beam Room authorized?]
4. *Dental Surgery Suite is authorized:* [Is a Dental Surgery Suite authorized?]



## 6 PLANNING AND DESIGN CONSIDERATIONS

### A. General:

1. Create welcoming environments for patients and families by reducing environmental stressors, and typical "dental stressors". Daylighting, views of nature, gardens, and nature photography may alleviate patient anxiety, and provide positive distractions in waiting areas and treatment rooms.
2. Design for flexibility and adaptability to accommodate future expansion.
3. Consider physical layouts and design features that maximize non-institutional environmental aspects in order to provide a more therapeutic environment.
4. Comply with safety and ergonomics standards.
5. Design the Dental Clinic to provide access to patients with different levels of ability. It should be fully accessible.
6. Design the Dental Clinic to support patient privacy and patient rights requirements.
7. Where possible, locate clinics proximate to public parking and the main facility entrance to improve access and minimize travel distance.
8. Clearly define patient circulation and provide "visual queues" to facilitate ease of patient wayfinding. Create separate paths of travel where possible between patients and staff ("on stage" and "off stage") to support privacy, safety and patient / staff satisfaction.
9. Main corridors should be designed to a minimum of 8 feet clear width to accommodate passage of equipment, stretchers, and / or wheelchairs. In non-patient areas, corridors may be 6 feet in clear width.
10. Consider locating treatment areas for high volume, quick turn-around, patient visits near the front of the clinical area.
11. Refer to Department of Veterans Affairs (VA) Office of Construction and Facilities Management Technical Information Library ([www.cfm.va.gov/til/](http://www.cfm.va.gov/til/)) for additional technical criteria.

### B. Reception Area:

1. Provide audio privacy at patient registration and check-out areas.
2. Visual access from Reception to the Waiting Area should be provided.
3. The Playroom should be designed with durable and easy to clean surfaces. Consider specifying child "play stations" in lieu of individual toys.

### C. Dental Treatment Patient Area:

1. Views to the outside are desirable from Dental Treatment Rooms in order to reduce patient stress. Patients who have PTSD also benefit from having visual access to the outside.



2. Multi-purpose Dental Treatment Rooms are designed to provide a wide range of dental services including General Dentistry, Dental Hygiene, Prosthodontics, and Periodontics.
  3. Endodontic Dental Treatment Rooms are designed similarly to Multi-purpose Dental Treatment Rooms with the inclusion of a microscope. Other dental procedures may be performed in this area as scheduled.
  4. Special Needs Dental Treatment Rooms are designed to accommodate patients with different levels of ability. The design of these rooms should promote flexibility in order to accommodate each patient's specific needs. Ceiling lifts in this area must support Bariatric patients.
  5. Design Dental Treatment Rooms to accommodate multiple caregivers.
  6. Intra-oral X-ray capability will be provided in the Dental Treatment Rooms. A dedicated X-ray room will be provided only for Panoramic / Cephalometric unit and / or Cone Beam Unit.
  7. Shielding design for rooms containing dental radiographic equipment does not necessarily require lead-lined walls. Normal building materials may be sufficient in most cases. Consult the VHA National Health Physics Program Office for direction on radiation protection. In addition, the National Council for Radiation Protection (NCRP) requires that shielding design be provided by a qualified expert for all new or remodeled dental facilities. When a conventional building structure does not provide adequate shielding, the shielding must be increased by providing a greater thickness of building materials or by adding lead. Adequacy of shielding is determined by a radiation physicist through calculations and checked by survey measurements. These determinations should be made in the design phase of the project.
- D. Dental Surgery Suite Patient Area:
1. Locate Oral Surgery Rooms adjacent to each other.
- E. Dental Laboratories:
1. Provide natural light in Dental Labs, particularly the Acrylics Finishing Lab, to facilitate the color matching of dental prosthetics.
- F. Support Area:
1. Centralized support should be considered to maximize staff and space efficiency.
- G. Staff and Administrative Area:
1. Locate the Staff Lounge, Staff Locker / Changing Room, Staff Toilets, and Staff Toilet / Shower convenient to staff work areas but separate from patient areas.



2. Design space to foster effective staff collaboration. Central location of circulating corridors and visually open workstations will increase the quality and probability of unplanned interactions. Informal meeting spaces along hallways with flexibly arranged furniture and small niches with surfaces that allow stand-up work will encourage informal collaboration. Locating the team collaboration rooms and conference rooms close to individual spaces will promote problem solving.

H. Residency Program:

1. Work areas for residents should be grouped in one area close to staff dentists. The Conference Room (when provided) should be near the administrative spaces.

**7 FUNCTIONAL RELATIONSHIPS**

Relationship of Dental Service to services listed below:

**TABLE 1: FUNCTIONAL RELATIONSHIP MATRIX**

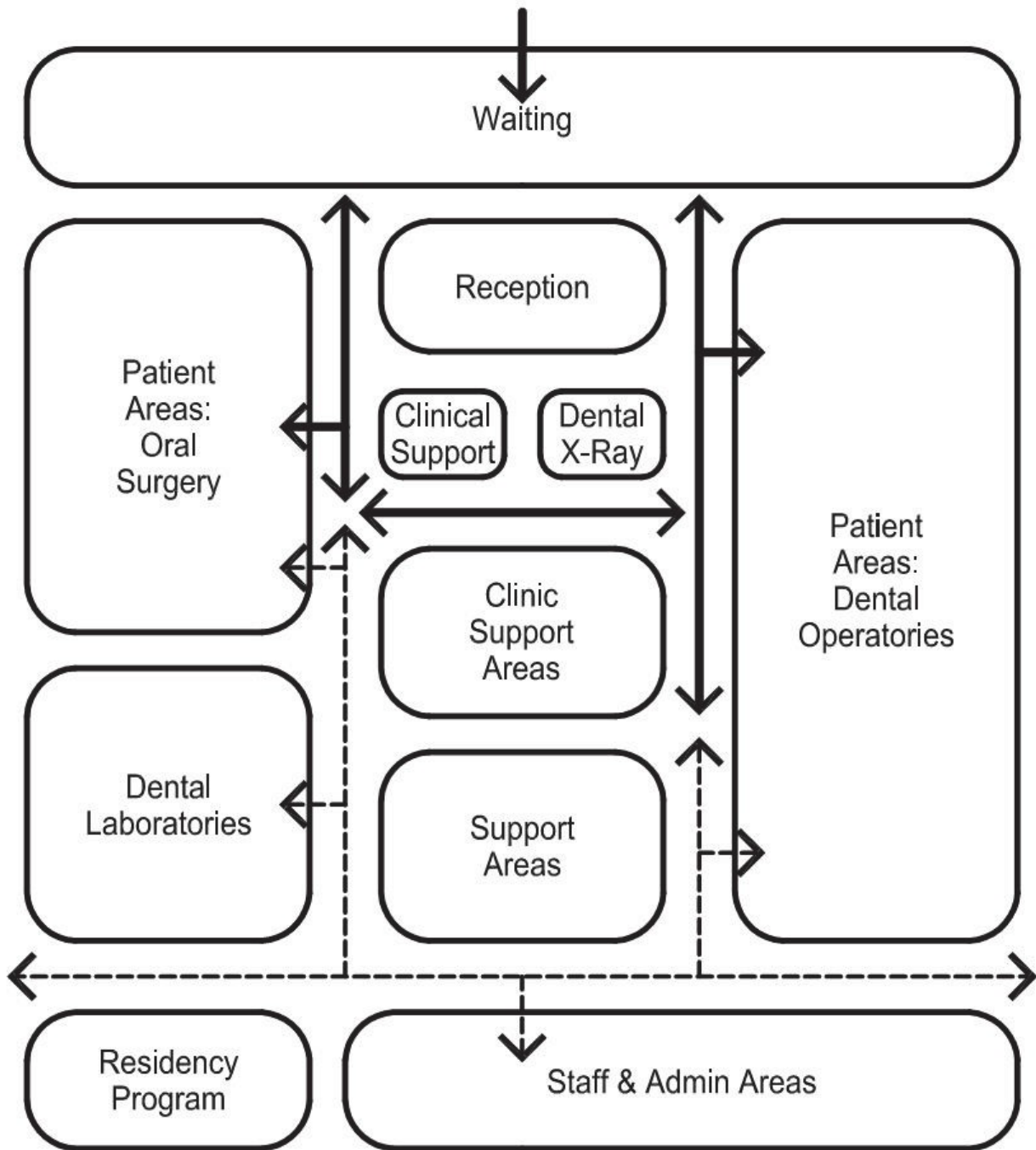
SERVICES	FUNCTIONAL RELATIONSHIP
OP: CBOP: Patient Care	2
CLNCL: Clncl Svc Adm: Hospital Medicine	3
BLDG SPRT: Logstcs Svc: Warehouse	3
CLNCL SPRT: EMS: Production	3
STFF SPRT: Education: Nursing Training	3
CLNCL SPRT: OIT: Telecommunications	3
CLNCL SPRT: OIT: Server	3

**Legend:**

1. High
2. Moderate
3. Minimal



### 8 FUNCTIONAL DIAGRAM



#### LEGEND

- Patient Circulation
- - - Staff Circulation

NOTE: Size and shapes of spaces do not reflect actual configuration or square foot area of departments.

