

**TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES<sup>a</sup>(See Sections 403.1.1 and 403.2)**

| NO.  | CLASSIFICATION   | DESCRIPTION   | WATER CLOSETS (URINALS:<br>SEE SECTION 424.2)                                |   | LAVATORIES  |             | BATHTUBS/<br>SHOWERS | DRINKING<br>FOUNTAIN<br>(SEE<br>SECTION<br>410) | OTHER                       |
|--|--|---|--|---|---|-------------|----------------------|---|-----------------------------|
|  |  |   | MALE   | FEMALE  | MALE  | FEMALE      |                      |   |                             |
| 1  | Assembly   | Theaters and other buildings for the performing arts and motion pictures <sup>d</sup>   | 1 per 125  | 1 per 65  | 1 per 200   |             | —                    | 1 per 500                                       | 1 service sink              |
|  |  | Nightclubs, bars, taverns, dance halls and buildings for similar purposes <sup>d</sup>  | 1 per 40   | 1 per 40  | 1 per 75  |             | —                    | 1 per 500                                       | 1 service sink              |
|  |  | Restaurants, banquet halls and food courts <sup>d</sup>   | 1 per 75   | 1 per 75  | 1 per 200   |             | —                    | 1 per 500                                       | 1 service sink              |
|  |  | Casino gaming areas   | 1 per 100 for the first 400 and 1 per 250 for the remainder exceeding 400    | 1 per 50 for the first 400 and 1 per 150 for the remainder exceeding 400    | 1 per 250 for the first 750 and 1 per 500 for the remainder exceeding 750 |             | —                    | 1 per 1,000                                     | 1 service sink              |
|  |  | Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums <sup>d</sup>                                      | 1 per 125  | 1 per 65  | 1 per 200   |             | —                    | 1 per 500                                       | 1 service sink              |
|  |  | Passenger terminals and transportation facilities <sup>d</sup>  | 1 per 500  | 1 per 500   | 1 per 750   |             | —                    | 1 per 1,000                                     | 1 service sink              |
|  |  | Places of worship and other religious services <sup>d</sup>   | 1 per 150  | 1 per 75  | 1 per 200   |             | —                    | 1 per 1,000                                     | 1 service sink              |
|  |  | Coliseums, arenas, skating rinks, pools and tennis courts for indoor sporting events and activities   | 1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500 | 1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520 | 1 per 200   | 1 per 150   | —                    | 1 per 1,000                                     | 1 service sink              |
| Stadiums, amusement parks, bleachers and grandstands for outdoor sporting events and activities <sup>f</sup> | 1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500 | 1 per 40 for the first 1,520 and 1 per 60 for the remainder exceeding 1,520   | 1 per 200  | 1 per 150   | —   | 1 per 1,000 | 1 service sink       |   |                             |
| 2  | Business   | Buildings for the transaction of business, professional services, other services involving merchandise, office buildings, banks, ambulatory care, light industrial and similar uses | 1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50        |   | 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80     |             | —                    | 1 per 100                                       | 1 service sink <sup>e</sup> |
| 3  | Educational  | Educational facilities  | 1 per 50   |   | 1 per 50  |             | —                    | 1 per 100                                       | 1 service sink              |
| 4  | Factory and industrial   | Structures in which occupants are engaged in work fabricating, assembly or processing of products or materials  | 1 per 100  |   | 1 per 100   |             | —                    | 1 per 400                                       | 1 service sink              |

|   |               |  |                         |                         |                     |             |   |
|---|---------------|--|-------------------------|-------------------------|---------------------|-------------|---|
| 5 | Institutional | Custodial care facilities  | 1 per 10                | 1 per 10                | 1 per 8             | 1 per 100   | 1 service sink  |
|   |               | Medical care recipients in hospitals and nursing homes   | 1 per room <sup>c</sup> | 1 per room <sup>c</sup> | 1 per 15            | 1 per 100   | 1 service sink per floor  |
|   |               | Employees in hospitals and nursing homes <sup>b</sup>  | 1 per 25                | 1 per 35                | —                   | 1 per 100   | —   |
|   |               | Visitors in hospitals and nursing homes  | 1 per 75                | 1 per 100               | —                   | 1 per 500   | —   |
|   |               | Prisons <sup>b</sup>   | 1 per cell              | 1 per cell              | 1 per 15            | 1 per 100   | 1 service sink  |
|   |               | Reformatories, detention centers, and correctional centers <sup>b</sup>                                  | 1 per 15                | 1 per 15                | 1 per 15            | 1 per 100   | 1 service sink  |
|   |               | Employees in reformatories, detention centers and correctional centers <sup>b</sup>                      | 1 per 25                | 1 per 35                | —                   | 1 per 100   | —   |
|   |               | Adult day care and child day care  | 1 per 15                | 1 per 15                | 1                   | 1 per 100   | 1 service sink  |
| 6 | Mercantile    | Retail stores, service stations, shops, salesrooms, markets and shopping centers                         | 1 per 500               | 1 per 750               | —                   | 1 per 1,000 | 1 service sink <sup>e</sup>   |
| 7 | Residential   | Hotels, motels, boarding houses (transient)  | 1 per sleeping unit     | 1 per sleeping unit     | 1 per sleeping unit | —           | 1 service sink  |
|   |               | Dormitories, fraternities, sororities and boarding houses (not transient)                                | 1 per 10                | 1 per 10                | 1 per 8             | 1 per 100   | 1 service sink  |
|   |               | Apartment house  | 1 per dwelling unit     | 1 per dwelling unit     | 1 per dwelling unit | —           | 1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units |
|   |               | Congregate living facilities with 16 or fewer persons  | 1 per 10                | 1 per 10                | 1 per 8             | 1 per 100   | 1 service sink  |
|   |               | One- and two-family dwellings and lodging houses with five or fewer guestrooms                           | 1 per dwelling unit     | 1 per dwelling unit     | 1 per dwelling unit | —           | 1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per dwelling unit     |
|   |               | Congregate living facilities with 16 or fewer persons  | 1 per 10                | 1 per 10                | 1 per 8             | 1 per 100   | 1 service sink  |
| 8 | Storage       | Structures for the storage of goods, warehouses, storehouse and freight depots. Low and Moderate Hazard. | 1 per 100               | 1 per 100               | —                   | 1 per 1,000 | 1 service sink  |

- a. The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated. The number of occupants shall be determined by the *International Building Code*.
- b. Toilet facilities for employees shall be separate from facilities for inmates or care recipients.
- c. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient sleeping units shall be permitted provided that each patient sleeping unit has direct access to the toilet room and provision for privacy for the toilet room user is provided.
- d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.
- e. For business and mercantile classifications with an occupant load of 15 or fewer, service sinks shall not be required.
- f. The required number and type of plumbing fixtures for outdoor public swimming pools shall be in accordance with Section 609 of the *International Swimming Pool and Spa Code*.

### 403.1.1 Fixture calculations.

To determine the occupant load of each sex, the total occupant load shall be divided in half. To determine the required number of fixtures, the fixture ratio or ratios for each fixture type shall be applied to the occupant load of each sex in accordance with Table 403.1. Fractional numbers resulting from applying the fixture ratios of Table 403.1 shall be rounded up to the next whole number. For calculations involving multiple *occupancies*, such fractional numbers for each *occupancy* shall first be summed and then rounded up to the next whole number.

#### Exceptions:

1. The total occupant load shall not be required to be divided in half where *approved* statistical data indicate a distribution of the sexes of other than 50 percent of each sex.
2. Where multiple-user facilities are designed to serve all genders, the minimum fixture count shall be calculated 100 percent, based on total occupant load. In such multiple-user facilities, each fixture type shall be in accordance with ICC A117.1 and each urinal that is provided shall be located in a stall.
3. Distribution of the sexes is not required where single-user water closets and bathing room fixtures are provided in accordance with Section 403.1.2.