

Swimming Pool and Spas Program Patron Load Calculation

The [Iowa Swimming Pool and Spa rules](#) calculate the pool patron load as follows:

15.5(21) b. Swimming pool patron load. If a bathhouse is provided, the patron load for determining the minimum sanitary fixtures (Table 6) is:

- (1) One individual per 15 ft² of water surface in shallow areas.
- (2) One individual per 20 ft² of water surface in deep areas with the exclusion of 300 ft² of water surface for each diving board.
- (3) For each swimming pool slide, 200 ft² shall be excluded, and for each water slide which terminates in the swimming pool, 300 ft² shall be excluded in determining the patron load.

*For a definition of shallow water, deep water, and swimming pool slide, please refer to the [Iowa Swimming Pool and Spa rules](#).

EXAMPLE:

The areas and calculation are as follows:

Shallow water: 35 ft x 45 ft= 1575 sqft @ 15 sqft/person= 105 people

Deep Areas: 35 ft x 35 ft= 1225 sqft - 2(300)= 625 sqft @ 20 sqft/person= 31 people

The total capacity appears to be calculated as 136 people assuming the pool dimensions used are correct.