

Swimming Pool and Spas Program Patron Load Calculation

Updated 6/18/2020

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.

This capacity calculation is based on 15 to 20 sq ft per person so it does not ensure 6 ft social (physical) distancing. As every facility is unique, each will need to reduce their capacity further as needed to ensure social distancing can be maintained.