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FEMA-supplied ratios can be helpful to portable restroom operators dealing with local event planners, and serve as a point of reference in disaster planning.

Calculating the number of toilets required for an event can be a particular challenge. Where local laws or regulations do not exist, FEMA says the following guidelines can be applied. Better management of events can be achieved by providing additional facilities.

Assume a 50/50 male/female split unless otherwise advised. The following tables should be used only as a guide. Note that each row should be read cumulatively; thus for an event with 500-999 participants, FEMA is requiring a minimum of 11 toilets, 4 urinals, and 8 sinks in total.

TOILET FACILITIES FOR EVENTS WHERE ALCOHOL **IS NOT AVAILABLE**

PATRONS	MALES			FEMALES	
	Toilets	Urinals	Sinks	Toilets	Sinks
<500	1	2	2	6	2
<1,000	2	4	4	9	4
<2,000	4	8	6	12	6
<3,000	6	15	10	18	10
<5,000	8	25	17	30	17

TOILET FACILITIES FOR EVENTS WHERE ALCOHOL **IS AVAILABLE**

PATRONS	MALES			FEMALES	
	Toilets	Urinals	Sinks	Toilets	Sinks
<500	3	8	2	13	2
<1,000	5	10	4	16	4
<2,000	9	15	7	18	7
<3,000	10	20	14	22	14
<5,000	12	30	20	40	20

These figures may be reduced for shorter-duration events as follows:

DURATION OF EVENTS	QUANTITY REQUIRED
More than 8 hours	100%
6-8 hours	80%
4-6 hours	75%
Less than 4 hours	70%

At events where the duration extends overnight or longer, provide hygienic washing facilities. Suggested minimum requirements for facilities at campgrounds, based on 2–3 nights' camping, are as follows:

SEX	TOILETS	URINALS	SINKS	SHOWERS
MALE	1/50	1/100	1/75	1/100
FEMALE	1/25	N/A	1/75	1/100

Tables reflect FEMA guidance for sanitation at special events and emergency situations. Figures account for both sewered and non-sewered sanitation solutions and may be legally enforceable depending on jurisdiction. Consult with your local, state and federal requirements.