



MEDICAL STAFF ESTIMATOR

Here is a set of tables to help you estimate the amount of medical staff/facilities you will require at your event.

You can **PRINT** this PDF to make it easier to use and keep it for future reference.

1. Use table 1 to allocate a score based on the nature of the event.
2. Use table 2 to allocate a score based on available history and pre-event intelligence.
3. Use table 3 to take into consideration additional elements, which may have an effect on the likelihood of risk.
4. Use table 4 to estimate the number of personnel & facilities you may require at your event.

TABLE 1 – Event Nature

Item	Details	Score
(A) Nature of Event	Classical Performance	2
	Public Exhibition	3
	Pop/Rock Concert	5
	Dance Event	8
	Agricultural/Country Show	2
	Marine	3
	Motorcycle Display	3
	Aviation	3
	Motor Sport	4
	<i>State Occasions</i>	2
	VIP Visits/Summit	3
	Music Festival	3
	Bonfire/Pyrotechnic Display	4
	New Year Celebrations	7
	<i>Demonstrations/Marches/Political Events</i>	
	Low Risk of Disorder	2
	Medium Risk of Disorder	5
	High Risk of Disorder	7
	Opposing Factions Involved	9
(B) Venue	Indoor	1
	Stadium	2
	Outdoor in Confined Location (e.g. park)	2
	Other Outdoor (e.g. festival)	3
	Widespread Public Location in Streets	4
	Temporary Outdoor Structures	4
	Includes Overnight Camping	5
(C) Standing/Seated	Seated	1
	Mixed	2
	Standing	3
(D) Audience Profile	Full Mix, in Family Groups	2
	Full Mix, Not In Family Groups	3
	Predominantly Young Adults	3
	Predominantly Children & Teenagers	4
	Predominantly Elderly	4
	Full Mix, Rival Factions	5
Add A+B+C+D	Total Score for Table 1	

TABLE 2 – Event Intelligence

Item	Details	Score
(E) Past History	Good Data, Low Casualty Rate Previously (less than 1%)	-1
	Good Data, Medium Casualty Rate Previously (1% - 2%)	1
	Good Data, High Casualty Rate Previously (more than 2%)	2
	First Event, No Data	3
(F) Expected Numbers	< 1000	1
	< 3000	2
	< 5000	8
	< 10 000	12
	< 20 000	16
	< 30 000	20
	< 40 000	24
	< 60 000	28
	< 80 000	34
	< 100 000	42
	< 200 000	50
	< 300 000	58
Add E+F	Total Score for Table 2	

Note: Numbers attending may vary throughout the duration of longer events. Therefore, resource requirements may need to be adjusted accordingly.

TABLE 3 – Sample of Additional Considerations

Item	Details	Score
(G) Expected Queuing	Less Than 4 Hours	1
	More Than 4 Hours	2
	More Than 12 Hours	3
(H) Time of Year (outdoor events)	Summer	2
	Autumn	1
	Winter	2
	Spring	1
(I) Proximity to Definitive Care (nearest suitable A&E facility)	Less Than 30 Minutes by Road	0
	More Than 30 Minutes by Road	2
(J) Profile of Definitive Care	Choice of A&E Departments	1
	Large A&E Department	2
	Small A&E Department	3
(K) Additional Hazards	Carnival	1
	Helicopters	1
	Motor Sport	1
	Parachute Display	1
	Street Theatre	1
(L) Additional On-Site Facilities	Suturing	-2
	X-Ray	-2
	Minor Surgery	-2
	Plastering	-2
	Psychiatric / GP Facilities	-2
Add G+H+I+J+K Subtract L	Total Score for Table 3	

Calculation

To calculate the overall score for the event, do the following:

Add the total scores for Tables 1+2+3 above to give an overall score for the event

Table 4 – Suggested Resource Requirement

Use the score from the above calculation to gauge the levels of resource indicated for the event.

Note: The following is an indication of the resources that may be required to manage an event based on an assessment of factors set out in the previous tables. It must be noted that this table, in conjunction with the medical chapter, is intended for guidance only. It cannot encompass all situations and is not intended to be prescriptive.

The score refers to the suggested resources that should be available on duty at any one time during the event and not the cumulative number of personnel deployed throughout the duration of the event.

Score	Ambulance	First Aider	Ambulance Personnel	Doctor	Nurse	NHS Ambulance Manager	Support Unit
< 20	0	4	0	0	0	0	0
21 - 25	1	6	2	0	0	visit	0
26 - 30	1	8	2	0	0	visit	0
31 - 35	2	12	8	1	2	1	0
36 - 40	3	20	10	2	4	1	0
41 - 50	4	40	12	3	6	2	1
51 - 60	4	60	12	4	8	2	1
61 - 65	5	80	14	5	10	3	1
66 - 70	6	100	16	6	12	4	2
71 - 75	10	150	24	9	18	6	3
> 75	15+	200+	35+	12+	24+	8+	3

Note: An ambulance paramedic crew, as a minimum, consists of a paramedic plus an ambulance technician trained to IHCD standards.

We hope you have found this estimator tool useful. You can now input the data you have into the booking form on our website.

Quad Medical Ltd



Event Medical Provider
www.quadmedical.co.uk