

European Emergency Department Crowding Study

EEDCS consortium

October 23, 2025

Abstract

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1 Introduction

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2 Materials and methods

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3 Results

3.1 Respondents

Table 1: Repondent positions

country	Head	Other	Resident	Specialist	Trainee
Albania	3	0	0	4	0
Austria	1	0	0	3	0
Belgium	1	0	0	0	0
Croatia	4	0	4	8	0
Denmark	1	0	3	10	0
Estonia	3	1	0	5	0
Finland	7	1	3	3	0
France	3	0	1	11	0
Germany	20	3	0	5	1
Greece	4	0	3	5	0
Hungary	7	0	1	3	0
Iceland	1	0	0	4	0
Ireland	1	0	1	5	1
Italy	8	3	0	9	0
Lithuania	0	0	0	1	0
Malta	0	0	0	7	1
Netherlands	0	0	0	6	0
Norway	3	0	0	1	0
Poland	8	1	3	4	0
Romania	3	0	0	2	0
Slovenia	2	0	1	1	0
Spain	3	1	0	9	0
Sweden	2	1	0	7	0
Switzerland	1	0	0	0	0
Turkey	0	6	16	14	3
United Kingdom	5	14	29	36	8

Table 2: Hospital types

country	other	primary	secondary	specialized	tertiary
Albania	0	1	3	0	3
Austria	0	0	0	0	4
Belgium	0	0	0	0	1
Croatia	0	2	1	0	13
Denmark	0	0	8	0	6
Estonia	0	2	2	0	5
Finland	0	0	8	0	6
France	0	3	1	1	10
Germany	0	0	8	0	21
Greece	0	0	2	0	10
Hungary	1	0	5	0	5
Iceland	0	1	0	0	4
Ireland	1	0	2	0	5
Italy	0	3	4	2	11
Lithuania	0	0	0	0	1
Malta	0	1	1	0	6
Netherlands	0	0	4	0	2
Norway	0	0	3	0	1
Poland	1	0	6	0	9
Romania	0	0	1	0	4
Slovenia	0	0	1	0	3
Spain	0	3	2	1	7
Sweden	1	2	2	0	5
Switzerland	0	0	0	0	1
Turkey	1	0	4	2	32
United Kingdom	2	5	49	3	33

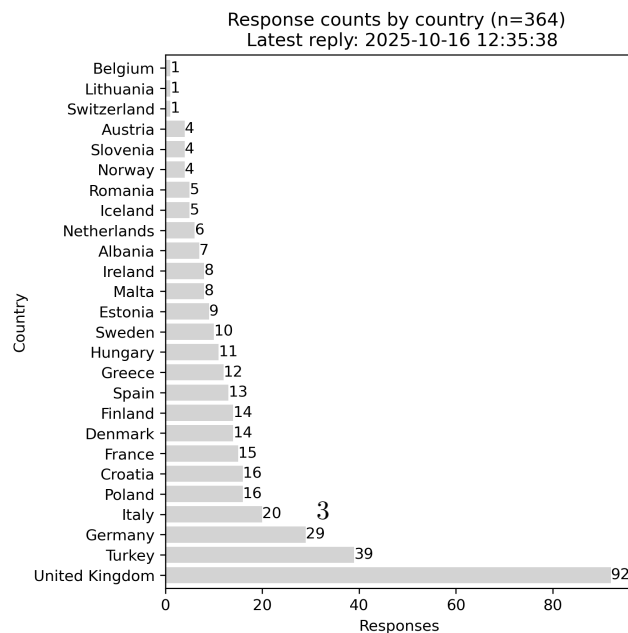


Figure 1: countryfreqs

3.2 Causes

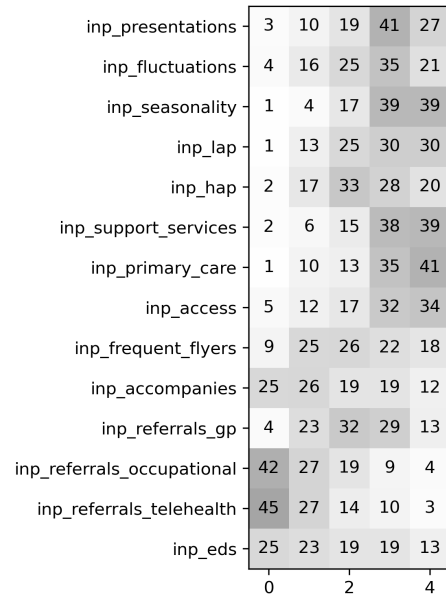


Figure 2: input

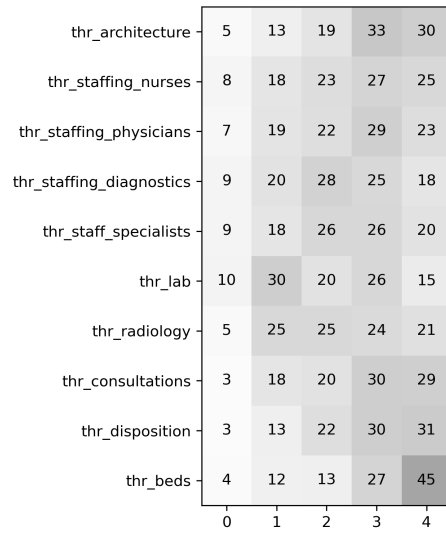


Figure 3: throughput

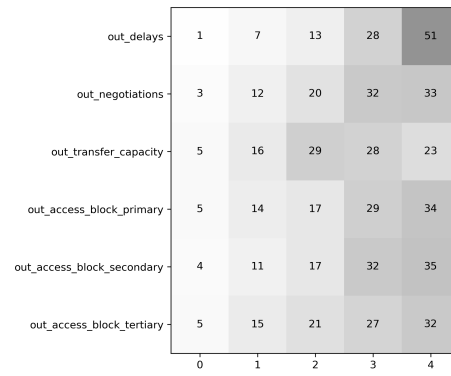


Figure 4: output

3.3 Operations management

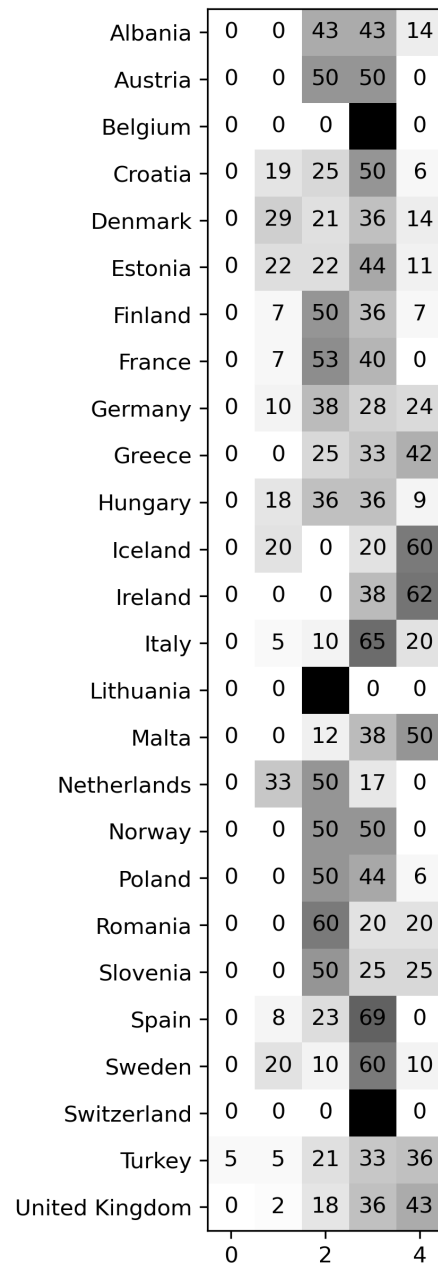


Figure 5: severity

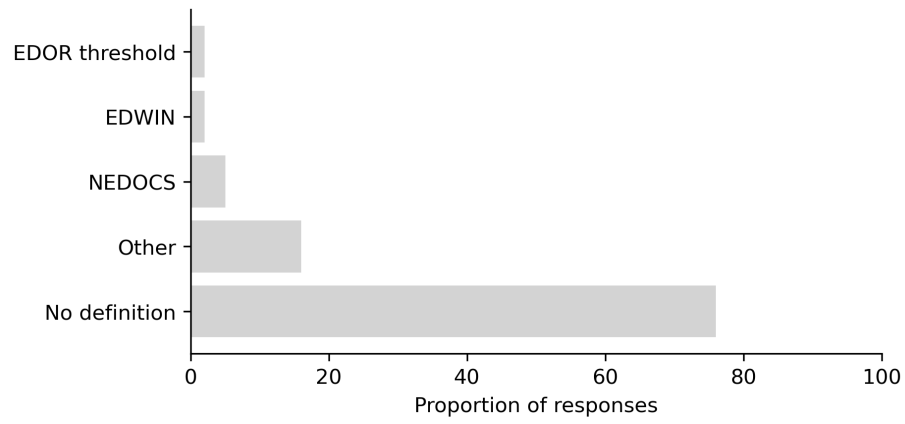


Figure 6: definition

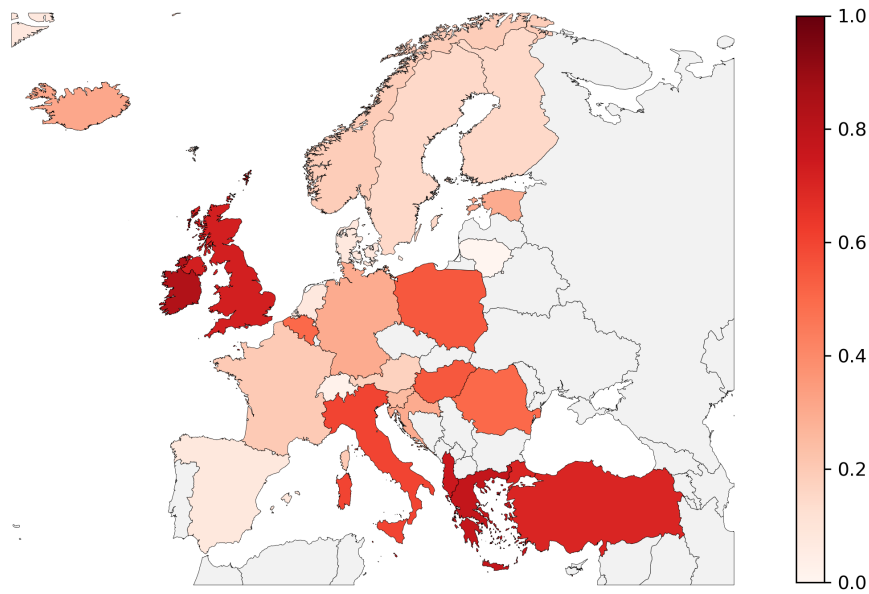


Figure 7: Crowding map

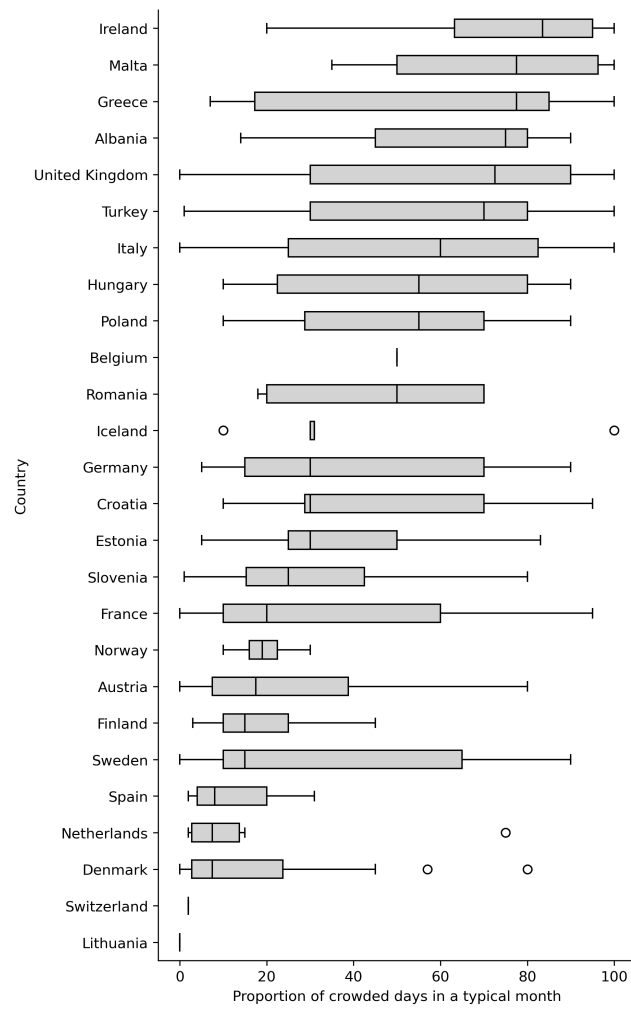


Figure 8: countrycrowding

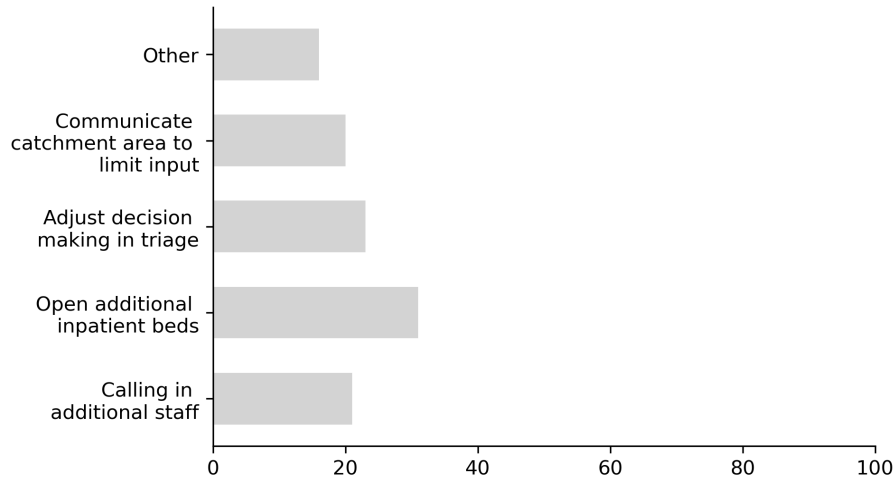
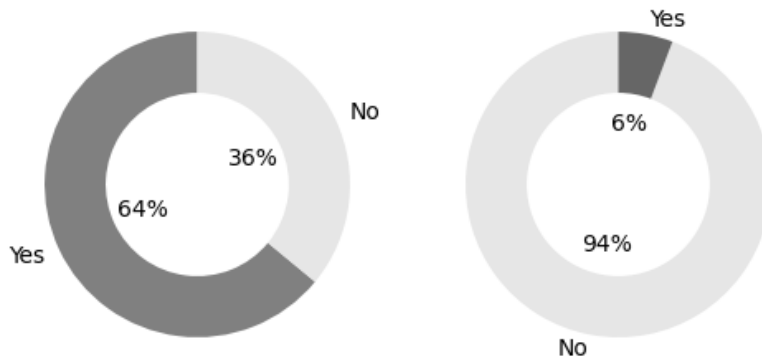


Figure 9: Interventions

3.4 Demand planning



(a) Would sufficiently accurate patient volume forecasting or crowding early warning software help alleviate the crowding problem?
 (b) Do you currently use a patient volume forecasting or crowding early warning software to guide decision making?

Figure 10

4 Discussion

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