

# Clinical Detection Events Analysis

## Single-Facility Analysis

2025-09-12

### Data Summary

Total detection events: 89216

Unique patients detected: 9635

Simulation period: Day 5 to Day 5447

Total days: 5443

### Descriptive Statistics

#### Daily Detection Events Summary

Table 1: Descriptive Statistics for Daily Clinical Detection Events

Mean	Median	SD	Min	Max	Q1	Q3	IQR
16.43	16	4.87	1	34	13	20	7

### Patient Detection Frequency

Table 2: Frequency of Detection Events per Patient

Times Detected	Number of Patients	Percentage
1	538	5.6
2	6813	70.7
3	46	0.5
4	75	0.8
5	66	0.7
6	52	0.5
7	63	0.7
8	37	0.4
9	66	0.7
10	55	0.6
11	52	0.5
12	49	0.5

Times Detected	Number of Patients	Percentage
13	40	0.4
14	44	0.5
15	43	0.4
16	44	0.5
17	45	0.5
18	36	0.4
19	43	0.4
20	32	0.3
21	46	0.5
22	36	0.4
23	31	0.3
24	37	0.4
25	38	0.4
26	51	0.5
27	32	0.3
28	37	0.4
29	30	0.3
30	34	0.4
31	42	0.4
32	33	0.3
33	26	0.3
34	30	0.3
35	38	0.4
36	30	0.3
37	22	0.2
38	31	0.3
39	36	0.4
40	34	0.4
41	27	0.3
42	23	0.2
43	22	0.2
44	19	0.2
45	36	0.4
46	22	0.2
47	28	0.3
48	20	0.2
49	21	0.2
50	22	0.2
51	22	0.2
52	18	0.2
53	21	0.2
54	24	0.2
55	15	0.2
56	18	0.2
57	16	0.2
58	13	0.1
59	10	0.1
60	15	0.2
61	10	0.1
62	17	0.2
63	4	0.0
64	5	0.1

Times Detected	Number of Patients	Percentage
65	6	0.1
66	13	0.1
67	11	0.1
68	10	0.1
69	11	0.1
70	7	0.1
71	10	0.1
72	8	0.1
73	9	0.1
74	10	0.1
75	4	0.0
76	7	0.1
77	7	0.1
78	6	0.1
79	4	0.0
80	6	0.1
81	5	0.1
82	15	0.2
83	4	0.0
84	8	0.1
85	5	0.1
86	3	0.0
87	6	0.1
88	2	0.0
89	3	0.0
90	4	0.0
91	3	0.0
92	4	0.0
93	3	0.0
94	5	0.1
95	4	0.0
96	1	0.0
97	1	0.0
98	2	0.0
99	2	0.0
100	1	0.0
105	1	0.0
106	1	0.0
107	4	0.0
108	2	0.0
111	1	0.0
112	1	0.0
114	1	0.0
118	1	0.0
119	2	0.0
120	4	0.0
121	3	0.0
122	2	0.0
126	1	0.0
127	1	0.0
128	1	0.0
130	2	0.0

Times Detected	Number of Patients	Percentage
132	1	0.0
133	1	0.0
137	1	0.0
140	1	0.0
142	1	0.0
145	1	0.0
148	1	0.0
149	1	0.0
154	2	0.0
156	1	0.0
160	1	0.0
174	1	0.0
193	1	0.0
207	1	0.0
229	1	0.0

## Visualizations

### Distribution of Daily Detection Events

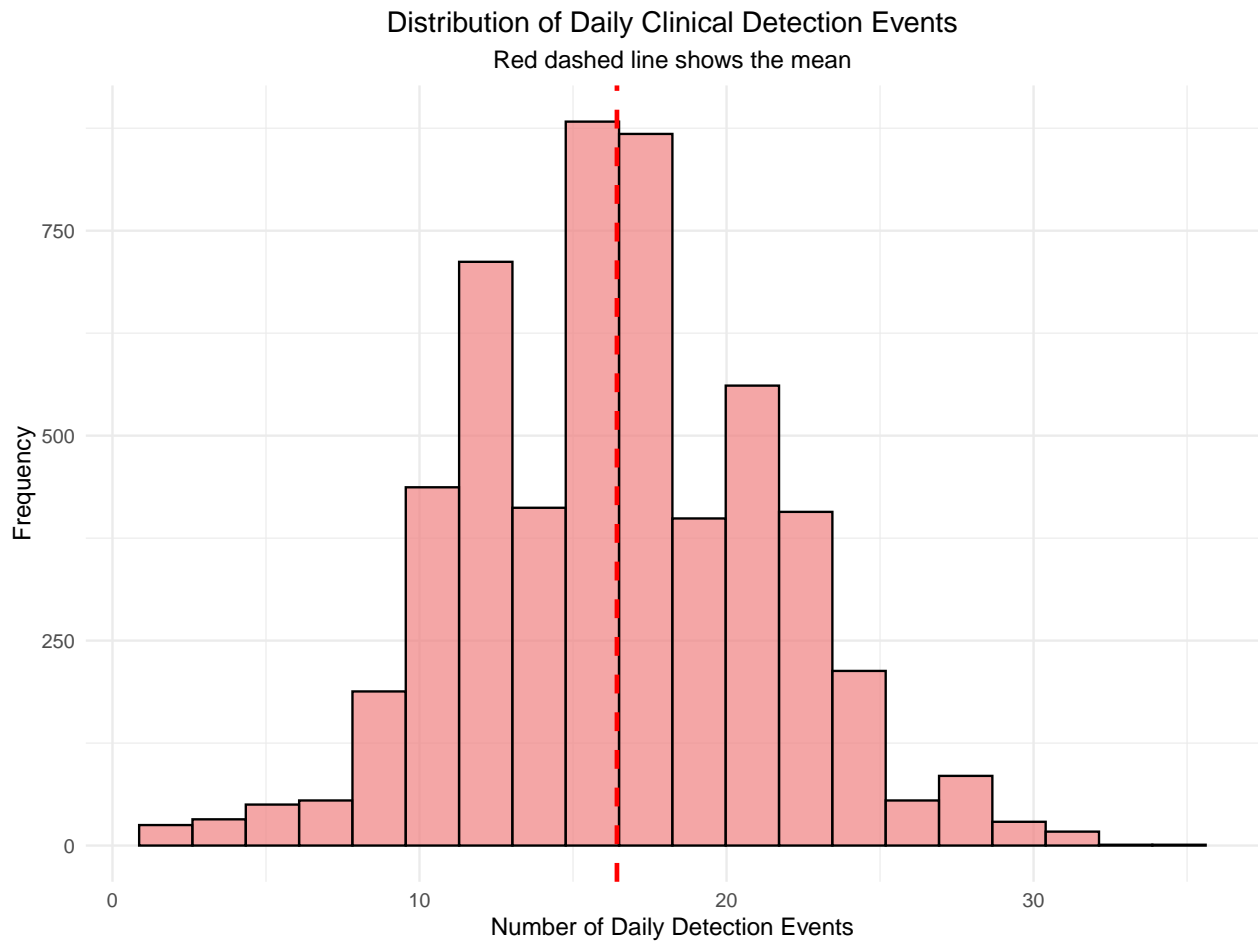


Figure 1: Distribution of Daily Clinical Detection Events