

Appendix

Table 1

Trauma system organization and population distribution, average data per year from 2007 to 2012. Data Source <http://statistica.regione.emilia-romagna.it/>). Data are averaged over the years and consequently the cumulative sums of partial does not fit with overall.

| | Population | Trauma Centers level I (Hub) | Trauma Centers level II (Spoke) | |
|---------------------------------------|------------------|------------------------------|---------------------------------|----------------------|
| Regione Emilia Romagna | 4,333,088 (100%) | 1,479,519 (34.1%) | 2,853,568 (65.9%) | |
| | | | With neurosurgery | Without neurosurgery |
| | | | 1,560,889 (57.3%) | 1,163,474 (42.7%) |
| SIAT | | | | |
| Emilia Ovest (Parma) | | 1 hospital | 1 hospital | 1 hospital |
| | 1,231,429 (100%) | 431,644 (29.2%) | 517,368 (41.9%) | 284,763 (24.5%) |
| | | 1 hospital | 2 hospitals | 0 hospital |
| Emilia Est (Bologna, Modena, Ferrara) | 2,014,768 (100%) | 845,046 (57.1%) | 1,043,521 (51.7%) | 0 |
| | | 1 hospital | 0 hospitals | 6 hospitals |
| Romagna | 1,079,524 (100%) | 202,829 (13.7%) | 0 | 878,712 (75.5%) |

Table 2, Types of hospitals, * not in Cesena

| | Trauma Centers level I (Hub) | Trauma Centers level II (Spoke) | |
|---|------------------------------------|---------------------------------|----------------------|
| | | With Neurosurgery | Without Neurosurgery |
| Hospitals | 3 | 3 | 7 |
| Trauma center level | I | II | III |
| Helicopter | At the hospital*, not night flight | | |
| Emergency abdominal or thoracic surgery | 24-hour ward | 24-hour ward | 24-hour ward |
| Cardiac surgery | 24-hour ward* | | |
| Neurosurgery | 24-hour ward | 24-hour ward | |
| Orthopedic surgery | 24-hour ward* | 24-hour ward | On call |
| Interventional radiology | On call | On call | |
| Transfusion service | On call | On call | On call |
| Maxillo-facial surgery | On call | On call | On call |
| Trauma service | yes | No | No |
| Coordination of the SIAT Trauma System | yes | No | No |