**Article title:** Emergency Department Visits Before, After and During Integrated Home Care: A Time Series Analyses in Italy

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**Supplementary file 1**

**Table S1.** ED visits characteristics before, during and after IHC, stratified by short, intermediate and long IHC duration. Piedmont Region 2012-2017, Italy

|                     | SHORT IHC DURATION (n=27 417) | INTERMEDIATE IHC DURATION (n=28 818) | LONG IHC DURATION (n=31 709) |
|---------------------|-------------------------------|--------------------------------------|-----------------------------|
|                     | Before IHC | During IHC | After IHC | p-value | Before IHC | During IHC | After IHC | p-value | Before IHC | During IHC | After IHC | p-value |
| **Accesses Number**|            |            |          |         |            |            |          |         |            |            |          |         |
| Accesses Number     | 20 625      | 2292       | 4500     |          | 19 362     | 4779       | 4677     |          | 18.417     | 10.438     | 2.854     |          |
| Accesses Mean       | 2.1         | 1.1        | 1.5      |          | 2.0        | 1.3        | 1.5      |          | 2.0        | 1.8        | 1.4       |          |
| **ED TRIAGE CODE**  |            |            |          |         |            |            |          |         |            |            |          |         |
| White (Non-urgent)  | 755 (3.7)   | 27 (1.2)   | 139 (3.1)|          | 927 (4.8)  | 93 (1.9)   | 182 (3.9)|          | 790 (4.3)  | 228 (2.2)  | 111 (3.9)|          |
| Green (Less urgent) | 12 980 (62.9)| 1136 (49.6)| 2374 (52.8)| <0.001  | 12 028 (62.1)| 2714 (56.8)| 2534 (54.1)| <0.001  | 11 369 (61.7)| 6136 (58.8)| 1505 (52.7)| <0.001  |
| Yellow (Urgent)     | 6383 (30.9) | 921 (40.1) | 1645 (36.6)|          | 5879 (30.4)| 1696 (35.5)| 1658 (35.5)|          | 5641 (30.6)| 3599 (34.5)| 1031 (36.1)|          |
| Red (Immediate)     | 507 (2.5)   | 208 (9.1)  | 342 (7.6) |          | 528 (2.7)  | 276 (5.8)  | 303 (6.5) |          | 617 (3.4)  | 475 (4.5)  | 207 (7.3) |          |
| **ED TRIAGE SYMPTOMS** |          |            |          |         |            |            |          |         |            |            |          |         |
| Respiratory         | 2169 (10.5)| 401 (17.5)| 691 (15.4)|          | 1831 (9.5)| 680 (14.2)| 644 (13.8)|          | 1740 (9.5)| 1378 (13.2)| 460 (16.1)|          |
| Abdominal pain      | 1928 (9.4) | 151 (6.6) | 303 (6.7) | <0.001  | 1608 (8.3)| 326 (6.8) | 347 (7.4) | <0.001  | 1482 (8.1)| 725 (6.9) | 204 (7.2)| <0.001  |
| Neurological        | 1322 (6.4)| 118 (5.2) | 263 (5.8) | <0.001  | 1354 (7.0)| 262 (5.5) | 279 (6.0) | <0.001  | 1236 (6.7)| 457 (4.4) | 159 (5.6)| <0.001  |
| Uro-gynaecological  | 1005 (4.9)| 70 (3.1)  | 198 (4.4) |          | 822 (4.2)| 177 (3.7) | 178 (3.8) |          | 684 (3.7)| 473 (4.5) | 100 (3.5)|          |
| Diagnosis Registered at ED Visit | Code | N (%) |
|---------------------------------|------|-------|
| Respiratory                     | 2465 | 376 (16.4) |
| Cardiovascular                  | 2618 | 199 (8.7) |
| Digestive system                | 1680 | 72 (7.5) |
| Nervous system                  | 966  | 71 (3.1) |
| Genito-urinary                  | 1422 | 122 (5.3) |
| Neoplasm                        | 1071 | 191 (8.3) |
| Blood diseases                  | 532  | 75 (3.3) |
| Infectious diseases             | 378  | 66 (2.9) |
| Endocrine                       | 587  | 109 (4.8) |
| Osteo-muscular                  | 1095 | 49 (2.1) |
| Mental health                   | 677  | 58 (2.5) |
| Unspecified symptoms            | 5167 | 1171 (26.0) |
| Access to healthcare services   | 1040 | 130 (5.7) |
| Others                          | 1305 | 165 (7.1) |

| TIME OF ARRIVAL AT ED | Code | N (%) |
|----------------------|------|-------|
| 8:00AM-4:00PM        | 12119| 1235 (53.9) |
| 4:00PM-12:00PM       | 5041 | 752 (32.8) |
| 12:00PM-8:00AM       | 3465 | 305 (13.3) |

| Destination After Discharge from ED | Code | N (%) |
|-------------------------------------|------|-------|
| Hospital                            | 9579 | 1278 (55.8) |
| Home                                | 10747| 843 (36.8) |
| Other facility                      | 299  | 340 (7.5) |

* White codes (Non-urgent) are often used during IHC for planned admission; ED = Emergency Department, IHC = Integrated Home Care