**Supplemental Material 1.** Resources of Emergency Medical Services System in South Korea

|  |  |  |  |
| --- | --- | --- | --- |
| **Reporting Year** | **2015** | **2017** | **2019** |
| **Resources of EMS System** |  |  |  |
| EMS Facility, Total | 546 | 532 | 521 |
| Level 1 (Regional EMC) | 20 (3.7) | 36 | 36 (6.9) |
| Level 2 (Local EMC) | 126 (23.1) | 119 | 118 (22.6) |
| Level 3 (Local facility) | 274 (50.2) | 261 | 248 (47.6) |
| Other facilities or ER | 126 (23.1) | 116 | 119 (22.8) |
| Number of beds in EMS facilities, total | 7,099 | 7,064 | 6,945 |
| EMS ambulance services, Total | 7,800 | 7,764 | 7,800 |
| 119 EMS, public ambulance | 1,317 (16.9) | 1,384 (17.8) | 1,420 (18.2) |
| Others, private ambulance | 6,486 (83.1) | 6,380 (82.2) | 6,380 (81.8) |
| Annual census of ER visits count | 8,259,966 | 8,475,347 | 8,749,305 |
| ER census per EP | 8,268 | 6,902 | 6,540 |
| ER census per ER bed | 1,192 | 1,200 | 1,260 |
| **Human Resources** |  |  |  |
| Board-certified Emergency Physicians (EP), Total | 1,418 | 1,704 | 1,843 |
| Female EP, n (%) | 170 (12.0) | 211 (12.4) | 234 (12.7) |
| EP density per 100,000 national population | 2.7 | 3.3 | 3.6 |
| Residency trainee | 587 | 617 | 630 |
| Female residents, n (%) | 92 (15.7) | 87 (14.1) | 90 (14.3) |
| Resident density per 100,000 national population | 1.1 | 1.2 | 1.2 |
| Nurses dedicated in ED/ED-authorized nurses | 5,929 | 6,889 | 7,057 |
| EMT-Intermediate | 5,047 | 6,177 | 9,512 |
| EMT-Basic | 3,997 | 4,364 | 9,170 |

1. EMS, emergency medical service, EMC, emergency medical center; ER, emergency room; EP, emergency physician; ED, emergency department; EMT, emergency medical technician.
2. All national EMS data source: 2015–2019 Yearbook of Emergency Medical Statistics (reference: https://www.e-gen.or.kr/nemc/statistics\_annual\_report.do).