Appendix 1. Hospital based survey form

Pan-Asian Trauma Outcome Study (PATOS)

-Survey of your hospital and trauma care system-

Please check and/or fill in the appropriate details.

(text (t), single (s), multiple (m))

I. General Information

| General Information                                                                 |
|-------------------------------------------------------------------------------------|
| 1. Formal name of your country (t)                                                  |
| 2. Formal name of your hospital (t)                                                 |
| 3. Total number of ED visits in your hospital (t) /year                             |
| 4. Year of census of #3 (t)                                                         |
| 5. Urbanization of your community (m)                                               |
| □ 1 Urban (2,500 ≥ habitants /km²)                                                   |
| □ 2 Suburban                                                                         |
| □ 3 Rural (2,500 ≤ habitants /km²)                                                   |
| □ 4 Wilderness                                                                       |
| 6. Your trauma center level (s)                                                      |
| □ 1 Designated trauma center                                                        |
| □ 2 General hospital with emergency department                                      |
| □ 3 General hospital without emergency department                                   |
| 7. Your hospital level (s)                                                          |
| □ 1 Tertiary care hospital                                                          |
| □ 2 Secondary care hospital                                                         |
| □ 3 Primary care hospital                                                           |
## II. Structure and Process

| Trauma Care |
|-------------|
| 1 | Healthcare provider leader level for trauma patient in your hospital (m) | □ Trauma surgeon  
□ Emergency physician  
□ General surgeon or department surgeon |
| 2 | Does a defined trauma team exist in the hospital? (s) | □ Yes  
□ No |
| 3 | If yes, how many persons are in one trauma team? (t) | ____________________ |
| 4 | If yes, does documented activation protocol for trauma team exist? (s) | □ Yes  
□ No |
| 5 | Does a documented trauma care protocol exist in your ED? (s) | □ Yes  
□ No |
| 6 | What is the highest hospital level for trauma patients in your country? (m) | □ Designated trauma center  
□ General hospital with emergency department  
□ General hospital without emergency department |
| 7 | If designated trauma center exists, does a national accreditation and quality assurance program for designated trauma center exist? (s) | □ Yes  
□ No |
| 8 | Does certification/license for trauma surgeons exist in your country? (s) | □ Yes  
□ No |

### Trauma Education Program

| 9 | Do healthcare provider education programs or courses for specialized trauma practice (e.g., ATLS) exist? (s) | □ Yes  
□ No |
| 10 | If education programs exist, does the course include knowledge and skills on operation practices? (s) | □ Yes  
□ No |
|   | Question                                                                 | Options          |
|---|--------------------------------------------------------------------------|------------------|
|11 | If education programs exist, does the course include knowledge and skills on critical care practice? (s) | □ 1 Yes  
□ 2 No |
|12 | If education programs exist, it is mandatory for healthcare providers working at the hospital? (s)  | □ 1 Yes  
□ 2 No |
|13 | If mandatory education programs exist in your hospital, who is the subject of the program? (m)  | □ Trauma surgeon  
□ Emergency physician  
□ General surgeon  
□ Department surgeon  
□ Nurse  
□ EMT  
□ Other |
|14 | Does a hospital-based trauma registry exist? (s)  | □ 1 Yes  
□ 2 No |
|15 | If yes, when (which year) did the hospital based registry start? (t)  | ____________________ |
|16 | Does the hospital-based trauma registry include prehospital information, in particular, specific care like intubation? (s)  | □ 1 Yes  
□ 2 No |
|17 | Do hospital trauma reviews or audit programs exist? (s)  | □ 1 Yes  
□ 2 No |
|18 | Is the hospital-based trauma registry linked with an EMS-based registry? (s)  | □ 1 Yes  
□ 2 No |
|19 | If yes, when (which year) did the linkage of registries begin? (t)  | ____________________ |
### III. Outcomes

|   | Trauma Care                                                                 |
|---|---------------------------------------------------------------------------|
| 1 | Outcome survey year (t)                                                  |
| 2 | Total number of ED visits in your hospital per year (t)                   |
| 3 | Total number of trauma patients in your ED per year (t)                   |
| 4 | Number of trauma patients in your ED who survived to hospital discharge per year (t) |
| 5 | Total number of trauma patients transported by EMS in your ED per year (t) |
| 6 | Number of trauma patients transported by EMS in your ED who survived to hospital discharge per year (t) |
| 7 | Number of moderate trauma patients (ISS 9-15) per year (t)                |
| 8 | Number of moderate trauma patients (ISS 9-15) who survived to hospital discharge per year (t) |
| 9 | Number of moderate-to-severe trauma patients (ISS 16-24) per year (t)     |
|10 | Number of moderate-to-severe trauma patients (ISS 16-24) who survived to hospital discharge per year (t) |
|11 | Number of severe trauma patients (ISS >24) per year (t)                   |
|12 | Number of severe trauma patients (ISS >24) who survived to hospital discharge per year (t) |
### IV. Responder Information

|   | Information                                     |
|---|------------------------------------------------|
| 1 | Survey year (t)                                 |
| 2 | Occupation or affiliation (m)                   |
|   | □ Trauma surgeon                               |
|   | □ Emergency physician                          |
|   | □ General surgeon                              |
|   | □ Public Health Officer                        |
|   | □ EMS Officer                                  |
|   | □ Hospital Officer                             |
|   | □ Other (___________)                           |