Table 5 Examples of clinical data elements for a minimum data set for a hospital information system in the Islamic Republic of Iran

Data class	Data elements
Diagnosis	Main complaint, clinical finding data source, primary diagnosis, interim diagnosis, pre-operation diagnosis, post-operation diagnosis, final diagnosis, pain scale, stroke scale, patient disability
Pre-hospital emergency	Mode of transport to emergency department, source of referral to emergency department (e.g. police), vehicle dispatch to GPS location, accident/onset date/time, dispatch notified date/time
Hospital emergency	Type of emergency department visit, outcome of emergency department visit, patient problem assessed in emergency department, outcome observation, date/time of patient entering the emergency department, Glasgow coma scale
Diagnostic/therapeutic procedure	Procedure type (medical/diagnostic procedures), date/time of procedure, procedure name by ICD-9CM, principal procedure code, start/end of operation, total time of operation
Orders	Order group, inpatient order, blood reserve order, consultations orders, laboratory tests orders, radiography orders, order date/time
Medical imaging	Type of requested radiography, limb name, limb direction, technique, date of radiography, radiologist notes, radiography result, authentication (signature or stamp)
Laboratory	Test name, main group of test, test code, blood group, number, routine test
Medicines	Name of medications, medications code, types of medication, dosage strength, dose, type of prescription (e.g. intravenous, intramuscular)
Medical prosthetics	Device name, device ID, model number, device purchase date, name of the requested instruments, size, number for each, device serial number, code
Blood products	Blood request, blood type, blood group, date/time of start of injection, date/time of end of injection, unit (e.g. L/mL), blood pack serial number
Discharge status	Revenue codes, discharge recommendations, discharge date, follow-up, places to visit for follow up
Transfer	Date/time patient departs, destination hospital, physician acceptance, cause of dispatch or transport, diagnosis, arrival time, patient symptoms
Follow up	Referral practitioner name, referral organization, discharge medication order type, patient problem assessed in follow up, follow up outcome observation, date/time of follow up
System history and review	Medical/surgical history, personal and family history, immunization history, environmental/food allergies, alcohol/drug use indicators, data source
Nursing	Nursing report, date of report, time of report, considerations/observations of nurse, monitoring vital signs, patient education, education topics
Consultation	Consultant practitioner ID, date/time consultation, date/time consultation starts, date/time consultation stops, type of consultation, request a consultation to assess disease
Death	National code, sex, nationality, occupation, first/last name, newborn's mother, mother's national code, mother's birth certificate number
Anaesthesia	Anaesthetics, supportive therapy (e.g. fluids, oxygen), anaesthesia start time, anaesthesia completion time, type of anaesthesia, date of anaesthesia

GPS: global positioning system.