

Current status of Health care IRAQ

Demographic indices

- Total number of population 37.88 million
- Percentage of urban population - 69.9%
- Percentage of rural population – 30.1%
- Percentage of population less than **15** years 40.2%
- Percentage of population above 60 years 5%
- Total fertility rate 4.0
- Population growth rate 2.7
- Life expectancy for both gender at birth 71.2
- Crude death rate per 1000 population 4.2

Top Ten causes for mortality

- Cardiovascular diseases (10.69%)
- Malignant neoplasm (9.05%)
- Ischemic heart disease (8.38%)
- Heart failure (8.23%)
- Hypertensive diseases (6.13%)
- Renal failure (6.01%)
- Respiratory and cardiovascular disorders (specific for perinatal period) (4.83%)
- Military casualties (4.39%)
- Road traffic accident (3.38%)
- Diabetes mellitus (3.33%)
- Total percentage of top ten causes of mortality (64.41%)

Top Ten causes for neonatal mortality

- Respiratory and cardiovascular disorders (37.84%)
- Gestational and fetal growth disorders(6.83%)
- Bacterial diseases (3.93%)
- Newborn bacterial sepsis (3.56%)
- Hematological and hemorrhagic disorders (0.78%)
- Influenza and pneumonia 0.56%
- Other conditions (perinatal period)(0.51%)
- Other respiratory disorders (0.33%)
- Total percentage of top ten causes of neonates mortality (**62.22%**)

Top Ten outpatient morbidity

- Acute tonsillitis (6.2%)
- Acute Bronchiolitis (5.5%)
- Acute pharyngitis 4.4%
- Essential primary hypertension (3.2%)
- Urinary system diseases (3.0%)
- Influenza (3.0%)
- Diarrhoea and gastroenteritis (2.7%)
- Diabetes mellitus (2.2%)
- Infectious arthropathies and joint disorders (2.1%)
- Other respiratory diseases (2.1%)

Top Ten inpatient morbidity

- Gastroenteritis of Diarrhea and infectious origin 3.4%
- Newborn Respiratory distress 1.9%
- Neonatal jaundice from non specified causes 1.8%
- Acute bronchitis 1.7%
- Pneumonia non specified organism 1.4%
- Spontaneous abortion 1.1%
- Inguinal hernia 1.1%
- Cholecystitis 0.9%
- Acute tonsillitis 0.9%
- Other acute ischemic heart diseases 0.9%

Commonest Top Ten Cancers

(year 2013)

- Breast 18.84%
- Bronchus and lung 8.89%
- Leukemia 6.47%
- Non- Hodgkin lymphomas 6.24%
- Colorectal 3.89%
- Urinary tract 3.69%
- Stomach 2.51%
- Brain and CNS 2.07%
- Hodgkin's lymphomas 1.94%
- Skin 1.95%

Commonest Top Ten pediatric (0-14 years) Cancers (year 2013)

- Leukemia 32.6%
- Non- Hodgkin lymphomas 17.3%
- Brain and CNS 11.35%
- Kidney 5.88%
- Bone 5.47%
- Soft tissues 3.6%
- Adrenal gland 2.91 %
- Eye 2.35 %
- Stomach 2.51%
- Not other wise specific 1.45%
- Total of top ten 91.35%

Cancer cases year 2013

- Grand total (22172)
- Males (10100)
- Females (12072)
- Incidence rate per (100,000) population (63.2)

Primary Health care

- Total number of primary health care centers 2669
- Number of main PHC centers 1259
- Number of PHC sub centers 1410
- Family medicine PHC 119
- Health center / 100,000 population ratio (7)
- Population / health center rate (12807)
- Total number of PHCC patients (31,414,311)

Secondary health care services

- Total number of governmental hospitals 260
- Total number of beds 44,821
- Bed occupancy rate (52.6)
- Ratio of hospital bed / 1000 population (1.2)
- Population / governmental hospital (145,706)
- Total number of patients (27,833,892)
- Total number of inpatients (2,664,177)
- Total number of outpatients (16,644,529)
- Total number ER patients (8,525,186)
- Total number of surgical operations (1,330,930)
- Rate of admitted patients/ 1000 population (70)

Secondary health care services

- Total number of governmental hospitals 260
- General (150)
- Pediatrics (16)
- Obstetric and pediatrics (19)
- Obstetric and gynecology (12)
- Other specialty (35)
- Specialized centers with inpatients (28)
(tertiary health care)

Secondary health care services

- Total number of governmental hospital beds (44,821)
- General surgery (4080)
- Internal medicine (4268)
- Pediatrics (5535)
- Obstetric and gynecology (3890)
- Cardiac care units (951)
- Intensive care (731)
- Emergency care (4107)
- Other specialties (21259)

Specialized (Tertiary level) centers

- Cardiovascular surgery (14)
- Infertility and IVF (6)
- Endocrinology and DM (11)
- Hemophilia (8)
- Bone marrow transplant (3)
- Kidney transplant (7)
- Lithotripsy (5)
- Allergy and asthma (15)
- Physical rehabilitation (16)

Health human resources

- Total number of employee (244,215)
- Total number of Physicians (27208)
- Physician / 10,000 population rate (8.4)
- Total number of specialized physicians (10241)
- Total number Dentist (7746)
- Total number Pharmacists (8460)
- Total number Nursing staff (62795)
- Total number Paramedical staff (61526)

Financial resources

- Total budget for health 5,044,804 thousand million ID around (around 4.24 billion USD)
- Percentage of health budget (4.8 %) from total governmental budget.
- Per capita health allocation (155 thousand ID which equals to (130 USD)

Ambulance services

- Total number of Ambulance vehicles (1565)
- Total number of ambulance centers (245)
- Ambulance vehicle per 100,000 population (5)
- Note (the data without kurdistan region)

Injuries due to physical trauma

- Total number of cases (**182841**)
- Road traffic accidents (**92551**)
- Gunshot (**11646**)
- Fall from height (**53471**)
- Assaults with a sharp object (**15275**)
- Others (**9810**)
- Sexual assault (**69**)
- Road traffic accident represents (**50.6 %**)
- Rate of accident per 10,000 population (**56.4**)

Ministry of Health main achievement

- Total number of patients (64,400,900)
- Total number of hospital patients (27,833,892)
- Total number of PHCC (31,414,311)
- Total number of other (public clinics and health insurance clinics) (5,152,697)
- Total number of surgical operation (1,330,930)
- Total number of clinical lab test (Biological , biochemical ,hematological and histological tests(70,578,418)
- Total number of other diagnostic, therapeutic tests endoscope, cardiac cath , MRI, CT, dialysis ...etc (10,901,720)

Private hospitals and centers

- Total number of private hospitals (121)
- Total number of beds (4142)
- Private bed percentage from Governmental beds(10.8 %)
- Total number specialized centers (50)

Medical colleges and health institutes

- Total number (228)
- medical colleges (27)
- colleges of dentistry (30) (10 of them private)
- colleges of pharmacy (25) (8 of them private)
- Colleges nursing (17)
- Colleges of biotechnology (17) (13 of them private)
- Health technical institutes (30)
- Nursing schools (59)
- Midwifery schools (21)

Health care system challenges

- Limited financial resources per capita dropped from 179 USD (year 2013) to be 130 USD (year 2016) mean while population increased by 2 millions .
- Civil unrest; IDPs(terrorism and military related) around 4-5 millions (IDPs and foreign immigrants).
- Destruction of health care facilities in many governorates as a result for terrorism.
- Limited functional capacity of health facilities in relation to many factors of them (old fashion buildings ..etc).
- high prevalence of Non communicable disease risk factors e.g. (smoking, hypercholesteremia , DM and hyperglycemia , alcohol, over weight, people with 3 risk factors and more ...etc)
- Poor social determinants of health accompanied by collapsed infrastructures.
- High fertility and growth rate
- Limited role of private health sector.