

SUPPLEMENTARY MATERIAL

Table I. Characteristics of studies included.

Country	Study Author(s) and Date of Publication	Study Design	Event Type	Number of patients	Mean Age for Stroke \pm SD	Ratio M:F
Bahrain						
	Al-jishi et al., 2000 ¹⁰	Retrospective hospital-based	Stroke	144	60	1.6:1
	Al banna et al., 2015 ¹¹	Retrospective hospital-based	Stroke	521	60.5	1.63:1
Egypt						
	Farghaly et al., 2013 ¹²	Cross-sectional community-based Door-to-door	Stroke	351	-	1.29:1
	Kandil et al., 2006 ¹³	Prospective community-based Door-to-door	Stroke	127 in 1992 825 in 2003	-	1.05:1
	El-tallawy et al., 2013 ¹⁴	Community-based Door-to-door	Stroke	130	-	1.77:1
	Khedr et al., 2014 ¹⁵	Cross-sectional community-based Door-to-door	Stroke	74	-	1.64:1

Khedr et al., 2012 ¹⁶	2010	Cross-sectional Community- based	Stroke	57	59.1±10. 8	1.7:1
Iran						
Ahangar et al., 2004 ¹⁷	2001-2003	Retrospective hospital-based	Stroke	250	68	1.08:1
Ghandehari et al., 2007 ¹⁸	2001-2005	Khorasan Stroke Registry population- based	Ischemic Stroke	1,392	65.61±17 .48	1:1.13
Oveisgharan et al., 2006 ¹⁹	2000-2003	Prospective hospital-based	Stroke	4,361	68.10±13 .14	1:1.06
Dehghani firoozabadi et al., 2013 ²⁰	2002-2008	Retrospective hospital-based	Acute Stroke	1,219	69.6±12. 9	1:1.09
Fahimfar et al., 2012 ²¹	2000-2009	Prospective Population- based cohort	Stroke	69	60	1.46:1
Azarpazhooh et al., 2010 ²²	2006-2007	Prospective population- based	Stroke	624	65.2±14. 6	1.1:1
Hadaegh et al., 2012 ²³	2000-2009	Retrospective hospital-based	Stroke	72	-	-
Delbari et al., 2010 ²⁴	2006-2008	Cross-sectional multihospital- based	Ischemic Stroke	953	68±13.82	1:1.04
Delbari et al., 2011 ²⁵	2001-2002	Cross-sectional hospital-based	Stroke	460	69.6	1:1

Ghandehari et al., 2010 ²⁶	2006	Prospective hospital-based	Lacunar Stroke	96	66.78±13.91	1:1.18
Borhani-Haghighi et al., 2013 ²⁷	2001-2010	Retrospective hospital-based	Stroke	16351	63.4	1.16:1
Togha et al., 2004 ²⁸	1999-2002	Hospital-based	Intracerebral Haemorrhage	122	64.9±12.03	1.35:1
Ghandehari et al., 2006 ²⁹	2000-2005	Stroke Data Bank	Ischemic Stroke	124	35.74±7.5	1.06:1
Jongorbani, 1996 ³⁰	1992-1994	Prospective hospital-based	Stroke	359	65.4±12.1	-
Parniya et al., 2006 ³¹	-	Hospital-based	Intracranial haemorrhage	157	66	1:1.18

Iraq

Al-mahdawi, 2005 ³²	2002	Cross-sectional hospital-based	Ischemic Stroke	100	63.57±8.31	2.41:1
Al-heeti, 2003 ³³	1993-1998	Hospital-based	Stroke	188	-	-
Al-asadi et al., 2014 ³⁴	2008	Prospective hospital-based	Stroke	225	63.8±12.3	1.27:1
Awad et al., 2010 ³⁵	2009	Prospective hospital-based	Stroke	200	63.66	1:1.06

Israel

Bentur et al., 2003 ³⁶	1998-1999	Survey hospital-based	Stroke	616	-	-
Plakht et al., 2014 ³⁷	1988, 1996, 2006	Retrospective hospital-based	Ischemic Stroke	1,287	68.7±11.8	1.14:1

Tanne et al., 2006 ³⁸	2004	Prospective Survey	Stroke	2,174	71±13	1.13:1
Jordan						
Bahou et al., 2004 ³⁹	2000-2002	Retrospective hospital-based	Ischemic Stroke	200	61.2	1.3:1
Kuwait						
Ashkanani et al., 2013 ⁴⁰	2008	Retrospective hospital-based	Stroke	151	60.5	1.75:1
Al-shammri et al., 2003 ⁴¹	1995-1999	Retrospective hospital-based	Ischemic Stroke	62	64.1±13. 2	1:1.06
Abdul-ghaffar et al., 1997 ⁴²	1989, 1992, 1993	Prospective hospital-based	Stroke	241	-	-
Lebanon						
Riachy et al., 2008 ⁴³	2000-2004	Retrospective and Prospective hospital-based	Acute Stroke	62	65.8±12. 3	1:1
Palestine						
Sweileh et al., 2008 ⁴⁴	2006-2007	Prospective hospital-based	Stroke	186	69.09±10 .9	1:1.04
Sawalha, 2009 ⁴⁵	2006-2007	Retrospective hospital-based	Ischemic Stroke	153	69.08±11 .15	1:1.19
Qatar						
Khan et al., 2008 ⁴⁶	2004-2005	Prospective hospital-based	Stroke	270	57.1±13. 3	2.7:1
Hamad et al., 2001 ⁴⁷	1997	Retrospective hospital-based	Stroke	217	57	2.61:1
Christos et al., 2013 ⁴⁸	2006-2008	Case-control hospital-based	Stroke	262	58±12.9	4.35:1

Khan, 2007 ⁴⁹	2004-2005	Prospective hospital-based	Ischemic Stroke	40	37.1±13. 27	4:1
Akhtar et al., 2009 ⁵⁰	2005-2008	Prospective hospital-based	Ischemic Stroke	116	53±16	5.7:1
Nogueira, 1992 ⁵¹	1983-1988	Retrospective hospital-based	Subarachn oid Stroke	44	-	3:1
Deleu et al., 2006 ⁵²	2001	Retrospective hospital-based	Ischemic Stroke	303	67.3	2.6:1

Saudi Arabia

Qari, 2000 ⁵³	1997-2000	Retrospective hospital-based	Stroke	71	63	3.4:1
Al rajeh et al., 1993 ⁵⁴	1982-1992	Retrospective hospital-based	Stroke	500	63±17	2.16:1
Akbar et al., 2001 ⁵⁵	1995-1999	Retrospective hospital-based	Stroke	103	66	-
Al-rajeh et al., 1989 ⁵⁶	-	Clinical Study hospital-based	Stroke	99	-	2.2:1
Yacub et al., 1991 ⁵⁷	1984-1989	Retrospective hospital-based	Stroke	200	-	1.4:1
Al-rajeh et al., 1991 ⁵⁸	-	Hospital-based	Stroke	372	-	2.2:1
Awada et al., 1999 ⁵⁹	1982-1999	Retrospective and Prospective hospital-based	Stroke	1000	59	2.1:1
El sayed et al., 1999 ⁶⁰	1994-1996	Prospective hospital-based	Stroke	329	62.8±11. 1	1:1
Al-rajeh et al., 1998 ⁶¹	1989-90 1991-93	Register	Stroke	488	-	1.8:1

Qutub, 2001 ⁶²	1996-1998	Descriptive hospital-based	Ischemic Stroke	25	61.2±2.6	1:1.7
Al rajeh, 1994 ⁶³	-	Retrospective hospital-based	Stroke	797	-	2.27:1
Awada et al., 1998 ⁶⁴	1981-1995	Retrospective hospital-based	Intracerebr al haemorrha ge	107	28.6±11. 7	1.81:1
Awada et al., 1996 ⁶⁵	1981-1994	Retrospective hospital-based	Cerebral haemorrha ge	243	56.9±18. 2	2.74:1
Awada 1994 ⁶⁶	1981-1993	Retrospective hospital-based	Stroke	120	33	1.73:1
Ayoola et al., 2003 ⁶⁷	1997-1998	Retrospective hospital-based	Stroke	241	64.5	1.54:1
Turkey						
Balci et al., 2011 ⁶⁸	2003-2009	Retrospective hospital-based	Ischemic Stroke	192	-	-
Turkey, 2012 ⁶⁹	2010-2011	Retrospective hospital-based	Stroke	140	64±5	1.8:1
Yesilot et al., 2011 ⁷⁰	1994-2004	Prospective hospital-based	Acute Stroke	1,842	63.6±14. 6	1.04:1
United Arab Emirates						
McLachlan, 2002 ⁷¹	-	-	Stroke	63	-	-
Mirghani et al., 2010 ⁷²	2007-2009	Retrospective hospital-based	Ischemic stroke	171	70	1.08:1
Yemen						
Sallam et al., 2009 ⁷³	1999-2003	Retrospective hospital-based	Stroke	505	59.6	1.67:1

SD indicates Standard deviation

Figure I.

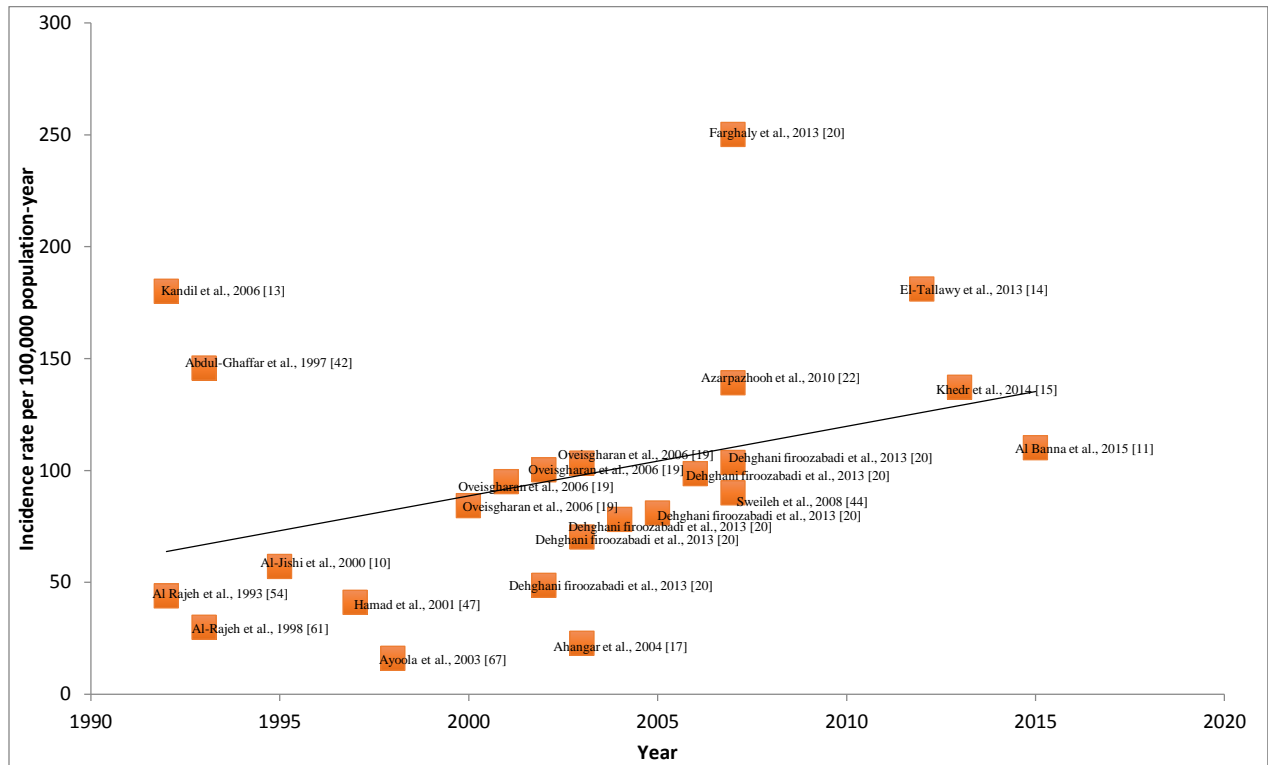


Figure I. Incidence rate for first ever/first ever and recurrent stroke by study year for studies including all age ranges patients or patients ≥ 18 years old. For studies not stating the year of the stroke incidence rate, the last year of the study period was considered. Solid line is a line of best fit.

Figure IIA

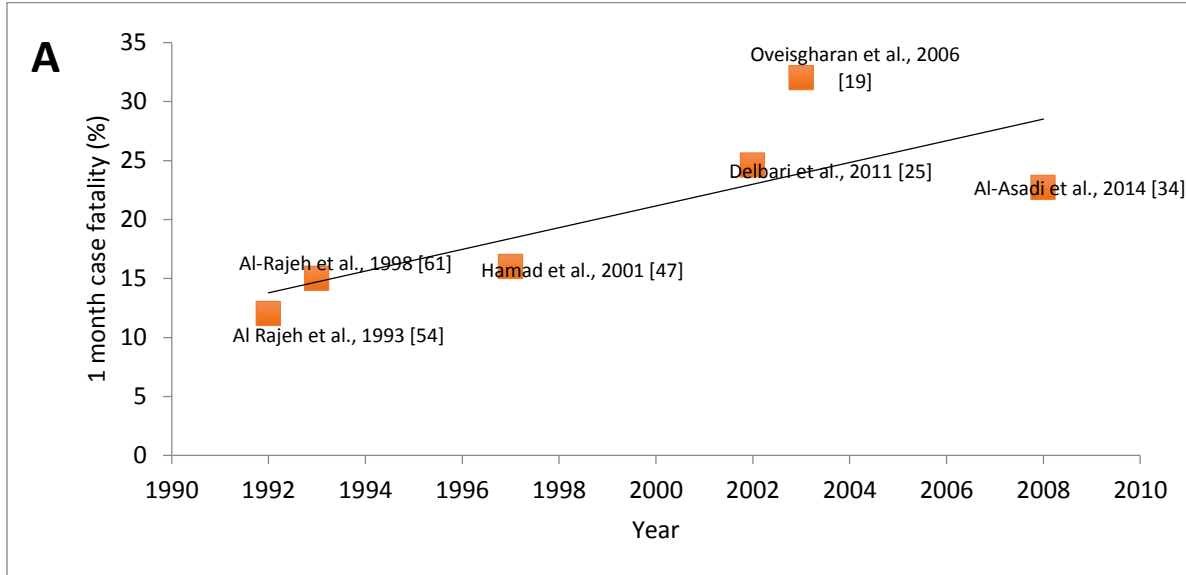


Figure IIA. Early (28-day to 1 month) stroke case fatality by study year. For studies not stating the year of the stroke fatality rate, the last year of the study period was considered. Solid line is a line of best fit.

Figure IIB

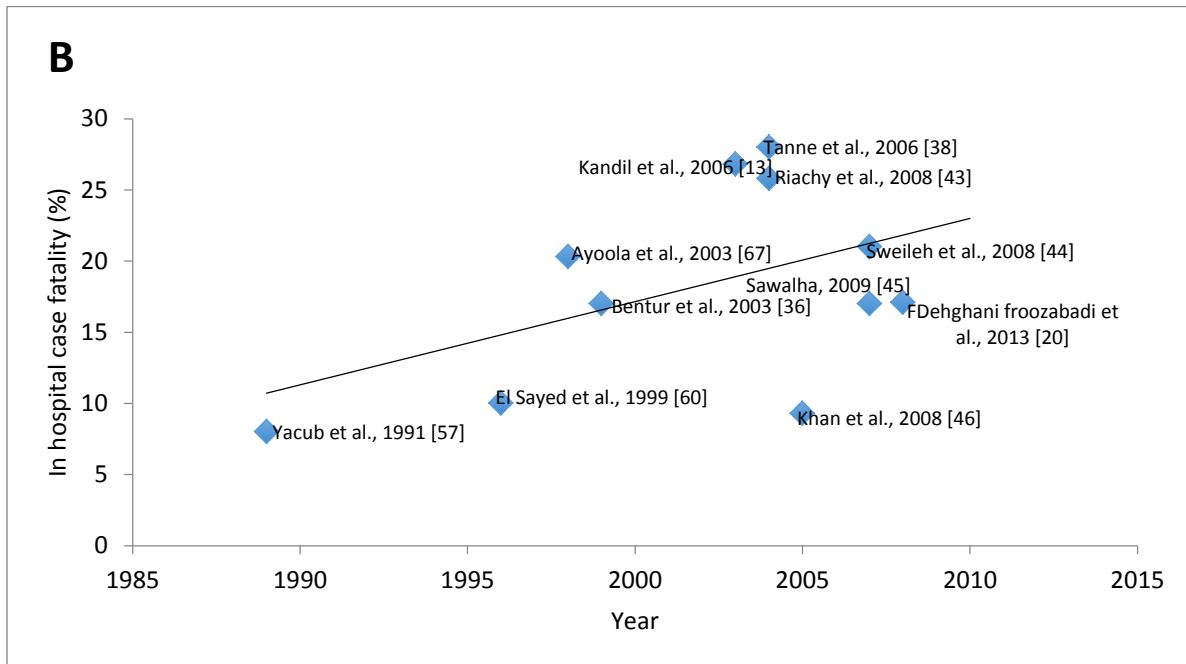


Figure IIB. In hospital stroke case fatality by study year. For studies not stating the year of the stroke fatality rate, the last year of the study period was considered. Solid line is a line of best fit.