**S7 Table.** **Precision and risk of bias (ROB) assessment for individual hepatitis C virus (HCV) prevalence measures among the general population in countries of the Fertile Crescent.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **First author, year of publication [citation]** | **Years of data collection** | **Population** | **Sample size** | **HCV prev** | **Precis-ion** | **Study sampling procedure** | **HCV ascertain-ment** | **Response rate** |
| **Iraq (n=45)** |  |  |  |  |  |  |  |  |
| Abdul-Aziz, 01 [[1](#_ENREF_1)] | 1999-01 | Blood donors | 20108 | 0.8% | High | High ROB | Low ROB | Low ROB |
| Abdul-Aziz, 01 [[1](#_ENREF_1)] | 1999-01 | New employees | 257 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Abdullah, 12 [[2](#_ENREF_2)] | 2005-07 | Blood donors | 100 | 1% | High | High ROB | Low ROB | Low ROB |
| Al-Ani, 11 [[3](#_ENREF_3)] | 2007-09 | Children | 60 | 0% | Low | High ROB | Low ROB | Unclear\* |
| Al-Azzawi, 06 [[4](#_ENREF_4)] | 2004 | Pregnant women | 100 | 1% | High | High ROB | Low ROB | Unclear\* |
| Al-Doori, 06 [[5](#_ENREF_5)] | 2004-05 | Blood donors | 1978 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Al-Duliami, 12 [[6](#_ENREF_6)] | 2010-11 | Blood donors | 90 | 0% | Low | Low ROB | Low ROB | Low ROB |
| Al-Greti, 13 [[7](#_ENREF_7)] | 2011-12 | General population | 50 | 4% | Low | High ROB | Low ROB | Unclear\* |
| Al-Hamdani, 12 [[8](#_ENREF_8)] | 2003-04, 06, 08-09 | New employees | 4162 | 2.6% | High | High ROB | Low ROB | Low ROB |
| Ali, 09 [[9](#_ENREF_9)] | 2007-08 | Blood donors | 600 | 1.7% | High | High ROB | Low ROB | Low ROB |
| Al-Jebori, 10 [[10](#_ENREF_10)] | 2003-09 | Mixed general population  | 120460 | 0.2% | High | High ROB | Low ROB | Low ROB |
| Aljooani, 12 [[11](#_ENREF_11)] | 2005-07 | Blood donors | 430 | 2.8% | High | High ROB | Low ROB | Low ROB |
| Al-Juboury, 10 [[12](#_ENREF_12)] | 2007-08 | Blood donors | 23336 | 0.5% | High | High ROB | Low ROB | Low ROB |
| Al-Kamil, 11 [[13](#_ENREF_13)] | 2006-08 | Blood donors | 161987 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Al-Kubaisy, 02 [[14](#_ENREF_14)] |  | Pregnant women | 3491 | 3.2% | High | Low ROB | Low ROB | Unclear\* |
| Al-Saad, 09 [[15](#_ENREF_15)] | 2008 | General population | 100 | 0% | High | High ROB | Low ROB | Unclear\* |
| Al Wtaify, 00 [[16](#_ENREF_16)] | 1998-99 | Outpatient hospital attendees (children) | 200 | 0.5% | High | Low ROB | Low ROB | Unclear\* |
| Al-Zamili, 09 [[17](#_ENREF_17)] | 2007-08 | Children | 325 | 0% | High | High ROB | Low ROB | Unclear\* |
| Amin, 12 [[18](#_ENREF_18)] | 2008-09 | Blood donors | 35540 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Ataallah, 11 [[19](#_ENREF_19)] | 2006-09 | Blood donors | 495648 | 0.3% | High | High ROB | Low ROB | Low ROB |
| Chiad, 09 [[20](#_ENREF_20)] | 2003-04 | Blood donors | 1000 | 1% | High | High ROB | Low ROB | Low ROB |
| Chironna, 03 [[21](#_ENREF_21)] |  | Refugees | 637 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Fadhil, 12 [[22](#_ENREF_22)] | 2010-11 | Outpatient hospital attendees | 50 | 0% | Low | High ROB | Low ROB | Unclear\* |
| Fawzi, 11 [[23](#_ENREF_23)] | 2010 | Pregnant women | 520 | 1.1% | High | High ROB | Low ROB | Unclear\* |
| Hamim, 12 [[24](#_ENREF_24)] | 2006-10 | Outpatient hospital attendees | 4886 | 0.9% | High | High ROB | Low ROB | Low ROB |
| Hamim, 12 [[25](#_ENREF_25)] | 2008-09 | Blood donors | 871973 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Hassan, 08 [[26](#_ENREF_26)] | 1996-01 | Blood donors | 42140 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Hussain, 08 [[27](#_ENREF_27)] | 2004-05 | General population | 108 | 0% | High | High ROB | Low ROB | Unclear\* |
| Hussein, 10 [[28](#_ENREF_28)] | 2006-07 | Blood donors | 31574 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Hussain, 10 [[29](#_ENREF_29)] | 2008-09 | Blood donors | 117 | 0.8% | High | High ROB | Low ROB | Low ROB |
| Jassim, 11 [[30](#_ENREF_30)] |  | Blood donors | 170 | 0% | High | High ROB | Low ROB | Low ROB |
| Khalid, 12 [[31](#_ENREF_31)] |  | Blood donors | 100 | 2% | High | High ROB | Low ROB | Low ROB |
| Naji, 13 [[32](#_ENREF_32)] | 2011-12 | Newly married individuals | 200 | 1.5% | High | High ROB | Low ROB | Low ROB |
| Noaman, 12 [[33](#_ENREF_33)] | 2009-10 | Blood donors | 93 | 1.1% | Low | High ROB | Low ROB | Low ROB |
| Obied, 14 [[34](#_ENREF_34)] | 2012-13 | Blood donors | 5179 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Omer, 11 [[35](#_ENREF_35)] | 2006-08 | General population | 98 | 7.1% | High | High ROB | Low ROB | Low ROB |
| Richter, 14 [[36](#_ENREF_36)] | 2011 | First generation immigrants | 290 | 0.3% | High | High ROB | Low ROB | High ROB |
| Saadoon, 08 [[37](#_ENREF_37)] | 2007 | Pregnant women | 875 | 5.1% | High | High ROB | Low ROB | Unclear\* |
| Saadoon, 12 [[38](#_ENREF_38)] |  | Blood donors | 1128 | 0.6% | High | High ROB | Low ROB | Low ROB |
| Salih, 07 [[39](#_ENREF_39)] | 2007 | Blood donors | 95 | 2.1% | Low | High ROB | Low ROB | Low ROB |
| Salman, 07 [[40](#_ENREF_40)] | 2006-07 | Pregnant women | 60 | 0% | Low | High ROB | Low ROB | Unclear\* |
| Tarky, 13 [[41](#_ENREF_41)] | 2005-06 | General population | 9610 | 0.4% | High | Low ROB | Low ROB | Low ROB |
| Tawfeeq, 13 [[42](#_ENREF_42)] | 2011-12 | Blood donors | 15560 | 0.3% | High | High ROB | Low ROB | Low ROB |
| Toffik, 06 [[43](#_ENREF_43)] |  | Outpatient clinic attendees | 100 | 0% | High | High ROB | Low ROB | Unclear\* |
| Toffik, 06 [[43](#_ENREF_43)] |  | Blood donors | 200 | 0.5% | High | High ROB | Low ROB | Unclear\* |
| **Jordan (n=5)** |  |  |  |  |  |  |  |  |
| Al Abbadi, 14 [[44](#_ENREF_44)] | 2009-11 | Blood donors | 94270 | 0.1% | High | High ROB | Low ROB | Low ROB |
| Al-Gani, 11 [[45](#_ENREF_45)] | 2006-09 | Blood donors | 8190 | 0.9% | High | High ROB | Low ROB | Low ROB |
| Hamoudi, 13 [[46](#_ENREF_46)] |  | Health centers’ attendees | 706 | 0.4% | High | Low ROB | Low ROB | Unclear\* |
| Jbara, 06 [[47](#_ENREF_47)] | 2003-05 | Blood donors | 8750 | 0.8% | High | High ROB | Low ROB | Low ROB |
| Rashdan, 08 [[48](#_ENREF_48)] | 2004-06 | Blood donors | 14236 | 0.2% | High | High ROB | Low ROB | Low ROB |
| **Lebanon (n=13)** |  |  |  |  |  |  |  |  |
| Araj, 95 [[49](#_ENREF_49)] |  | Blood donors | 4179 | 0.1% | High | Low ROB | Low ROB | Low ROB |
| Baddoura, 02 [[50](#_ENREF_50)] |  | General population (Lebanese) | 2879 | 0.6% | High | High ROB | Low ROB | Low ROB |
| Baddoura, 02 [[50](#_ENREF_50)] |  | General population (immigrants) | 103 | 2.9% | High | High ROB | Low ROB | Low ROB |
| Irani-Hakime, 01 [[51](#_ENREF_51)] | 1999 | Blood donors | 600 | 0.2% | High | High ROB | Low ROB | Low ROB |
| Irani-Hakime, 06 [[52](#_ENREF_52)] | 1997-03 | Blood donors | 16084 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Nabulsi, 97 [[53](#_ENREF_53)] | 1993-95 | Pregnant women | 558 | 0% | High | High ROB | Low ROB | Unclear\* |
| Naman, 96 [[54](#_ENREF_54)] |  | Blood donors | 7771 | 0.4% | High | High ROB | Low ROB | Low ROB |
| Ramia, 03 [[55](#_ENREF_55)] |  | Blood donors | 500 | 0.2% | High | Low ROB | Low ROB | Low ROB |
| Ramia, 05 [[56](#_ENREF_56)] | 2002-03 | Blood donors | 56 | 0% | Low | Low ROB | Low ROB | Low ROB |
| Salem, 03 [[57](#_ENREF_57)] |  | Outpatient hospital attendees | 70 | 0% | Low | Low ROB | Low ROB | Unclear\* |
| Salem, 03 [[57](#_ENREF_57)] |  | Blood donors | 150 | 0% | High | Low ROB | Low ROB | Low ROB |
| Tamim, 01 [[58](#_ENREF_58)] | 1998-00 | Blood donors (Lebanese) | 5027 | 0.3% | High | High ROB | Low ROB | Low ROB |
| Tamim, 01 [[58](#_ENREF_58)] | 1998-00 | Blood donors (non-Lebanese) | 88 | 3.4% | Low | High ROB | Low ROB | Low ROB |
| **Palestine (n=11)** |  |  |  |  |  |  |  |  |
| PHIC, 14 [[59](#_ENREF_59)] | 2013 | Blood donors | 19571 | 0.2% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 14 [[59](#_ENREF_59)] | 2013 | Blood donors | 9643 | 0.3% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 11 [[60](#_ENREF_60), [61](#_ENREF_61)] | 2011 | Blood donors | 63477 | 0.2% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 10 [[62](#_ENREF_62)] | 2009 | Blood donors | 48001 | 0.2% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 08 [[63](#_ENREF_63)] | 2007 | Blood donors | 49105 | 0.3% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 07 [[64](#_ENREF_64)] | 2006 | Blood donors | 53151 | 0.2% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 06 [[65](#_ENREF_65)] | 2005 | Blood donors | 45029 | 0.2% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| PHIC, 04 [[66](#_ENREF_66)] | 2003 | Blood donors | 44990 | 0.3% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| Novack, 07 [[67](#_ENREF_67)] | 1999-02 | Blood donors | 2784 | 3.9% | High | High ROB | Low ROB | Low ROB |
| Shemer-Avni, 98 [[68](#_ENREF_68)] |  | Blood donors | 1509 | 2.2% | High | High ROB | Low ROB | Low ROB |
| Shemer-Avni, 98 [[68](#_ENREF_68)] |  | Outpatient hospital attendees | 124 | 9% | High | Low ROB | Low ROB | Unclear\* |
| **Syria (n=10)** |  |  |  |  |  |  |  |  |
| Ali, 10 [[69](#_ENREF_69)] | 2000-07 | Blood donors | 131403 | 0.4% | High | High ROB | Low ROB | Low ROB |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 1, 2006 | Blood donors | 55549 | 0.3% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 2, 2006 | Blood donors | 87920 | 0.4% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 3, 2006 | Blood donors | 77734 | 0.6% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 4, 2006 | Blood donors | 83347 | 0.5% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 1, 2007 | Blood donors | 83501 | 0.4% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 2, 2007 | Blood donors | 92452 | 0.4% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | Q 3, 2007 | Blood donors | 83560 | 0.5% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| MENA HIV ESP, 10 [[60](#_ENREF_60), [61](#_ENREF_61)] | 2011 | Blood donors | 416984 | 0.6% | High | Unknown\*\* | Unknown\*\* | Unknown\*\* |
| Othman, 02 [[70](#_ENREF_70)] |  | Blood donors | 2100 | 0.9% | High | High ROB | Low ROB | Low ROB |

MENA HIV ESP, Middle East and North Africa HIV/AIDS Epidemiology Synthesis Project database; PHIC, Palestinian Health Information Center; Prev, prevalence; Q, quarter.

\*Studies with missing information for any of the domains were classified as having unclear ROB for that specific domain.

\*\*Studies extracted from regional databases with limited description of the sample not permitting the conduct of ROB assessment were classified as being of unknown quality.

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