**Supporting Information:**

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**1. Search strategy**

**PubMed, from inception to June 29, 2019 (498 articles)**

**Search terms:**

("nonalcoholic fatty liver" [tw] OR "non-alcoholic fatty liver" [tw] OR ("non-alcoholic" [ti] AND fatty [ti]) OR "non-alcoholic fatty liver disease" [mesh] OR (nonalcoholic [ti] AND

fatty [ti]) OR ((non-alcoholic [ti] OR nonalcoholic [ti]) AND "fatty liver" [mesh]) OR "nonalcoholic steatohepatitis" [tw] OR NAFLD [tw]) AND ( korean\* [tw] OR korea\* [tw] OR “south korea” [tw] OR “s korea” [tw] ) NOT ("randomized controlled trial" [pt] OR "controlled clinical trial" [pt] OR randomized [ti] OR "clinical trials as topic"[mesh] OR "clinical trial" [ti]

OR "clinical trials" [ti] OR "clinical trial" [pt]) NOT ("animals" [mesh] NOT "humans" [mesh]) NOT (mice [ti] OR rat [ti] OR rats [ti] OR murine [ti]) NOT (review [pt])

**Embase, from inception to June 29, 2019 (802 articles)**

**Search terms:**

('nonalcoholic fatty liver'/exp OR ('non-alcoholic':ti,ab,kw AND 'fatty liver':ti,ab,kw) OR 'nonalcoholic fatty liver' OR 'nonalcoholic fatty liver':ti,ab,kw OR 'nonalcoholic

steatohepatitis':ti,ab,kw OR NAFLD:ti,ab,kw) AND ('korean\*':ti,ab,kw OR 'korea\*':ti,ab,kw OR 'southkorea':ti,ab,kw OR 'skorea':ti,ab,kw) NOT ('randomized controlled trial'/exp OR

'randomized controlled trial' OR 'controlled clinical trial'/exp OR 'controlled clinical trial' OR 'randomized':ti OR 'clinical trial':ti OR 'clinical trials':ti) AND ([embase]/lim OR [embase

classic]/lim) AND [humans]/lim

**Cochrane library, from inception to June 29, 2019 (6 articles)**

**Search terms:**

("nonalcoholic fatty liver" OR "non-alcoholic fatty liver" OR (nonalcoholic AND fatty) OR "nonalcoholic steatohepatitis" OR NAFLD) AND (korean\* OR korea\* “South Korea” OR

“S Korea”)

**KoreaMed, from inception to June 29, 2019 (179 articles)**

**Search terms:**

("nonalcoholic fatty liver" OR "non-alcoholic fatty liver" OR (nonalcoholic AND fatty) OR "nonalcoholic steatohepatitis" OR NAFLD) AND (korean\* OR korea\* “South Korea” OR

“S Korea”)

**2. Selection criteria**

Inclusion criteria for original research articles were as follows: (1) NAFLD patients in South Korea; (2) NAFLD diagnosed by imaging (ultrasound, computed tomography scan, and magnetic resonance imaging/spectroscopy), liver biopsy, and/or blood testing/predictive indices (fatty liver index or hepatic steatosis index) or ICD codes; (3) the study was either a cross-sectional study or a baseline survey of longitudinal study; and (4) the study provided information about sample size and estimation of prevalence, incidence, or outcome (HCC or all-cause mortality) of NAFLD and/or of non-liver comorbidities on patients with NAFLD.

Exclusion criteria were as follows: (1) the study was a review article, clinical trial, animal study, case report or conference abstract; (2) the study did not identify patients with NAFLD; (3) the study was conducted in a pediatric population (<18 years); (4) the study did not exclude other causes of liver disease, such as viral hepatitis, etc.; (5) the study did not report screening for excess alcohol consumption; (6) the study was conducted in patients with severe comorbidities, such as human immunodeficiency virus (HIV), cancer, use of immunosuppressive therapies, and pregnant patients. If there were multiple studies from one cohort, we included data from the most recent report; if there was minimal overlap of the study period, then all associated studies were included. Collaborative studies with patients recruited from outside of South Korea were excluded.

**Supplemental Table 1:** Characteristics of included studies for overall NAFLD prevalence analysis

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference number** | **Author** | **Publication year** | **Study period** | **Study Population (n)** | **Mean age** **(years)** | **Male (%)** | **Prevalence of NAFLD (%)** | **Characteristics of NAFLD patients** | **Referenced figures and tables** |
| **T2DM (%)** | **T2DM incidence****(per 1000 person years)** | **NASH** **(%)** |
| 1 | Ahn, AL | 2013 | 5/1/2008 – 4/30/2010 | 1,706 | 57.9 | 55.0 | 32.0 | 58.1 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 3 | Ahn, JS | 2013 | - | 492 | 30.1 | 61.2 | 51.0 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 5, Supplemental Figure 1 |
| 2\* | Ahn, JS | 2017 | 1/1/2003-12/31/2012 | 26,540 | 49.8 | 63.7 | 35.8 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 5 | Bae, JC | 2010 | 1/1/2007-12/31/2008 | 99,969 | 40.1 | 59.6 | 28.1 | - | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 4 | Bae, JC | 2011 | 1/1/2005-12/31/2005 | 7,849 | - | 68.9 | 29.2 | - | - | - | Table 1, Table 4 |
| 6 | Bae, JC | 2012 | 1/1/2008-12/31/2008 | 72,359 | 42 | 53.9 | 27.5 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 8 | Bae, JC | 2017 | 1/1/2005-12/31/2005 | 7,849 | - | 0.01 | 29.2 | - | 25.4 | - | Table 1, Table 4, Table 5 |
| 7 | Bae, JC | 2018 | 1/1/2005-12/31/2009 | 7,849 | 44.6 | 68.9 | 46.7 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 9 | Baeg, MK | 2016 | 1/1/2010-12/31/2011 | 3,663 | - | 58.4 | 25.8 | - | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 11\* | Baik, M | 2019 | 1/1/2014-12/31/2014 | 321 | - | 59.5 | 64.2 | 68.6 | - | - | Table 1, Table 4, Table 2, Table 3a |
| 10\* | Baik, M | 2019 | 1/1/2014-12/31/2014 | 395 | 65.5 | 59.5 | 41.5 | 50 | - | - | Table 1, Table 5, Table 2, Table 3a |
| 18 | Chang, Y | 2008 | 1/1/2002-12/31/2002 | 8,329 | 36.7 | 100 | 30.2 | - | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 14\* | Chang, Y | 2013 | 1/1/2005-12/31/2006 | 43,166 | 36.8 | 62.5 | 27.0 | 55.3 | - | - | Table 1, Table 4, Table 5, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 16\* | Chang, Y | 2016 | 1/1/2005-12/31/2013 | 74,509 | 36.2 | 41.9 | 8.8 | - | - | - | Table 1, Table 4, Supplemental Table 4a |
| 12\* | Chang, Y | 2019 | 1/1/2002-12/31/2014 | 388,809 | 39.2 | 49.5 | 25.1 | 55.8 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 13\* | Chang, Y | 2019 | 1/1/2002-12/31/2017 | 86,911 | 40.6 | 74.4 | 39.6 | 73.1 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 22 | Cho, HC | 2016 | 1/1/2014-4/30/2014 | 1,711 | 43.1 | 80.2 | 12.4 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 23 | Cho, HJ | 2019 | 1/1/2000-12/31/2000 | 2,726 | - | 57.6 | 30.3 | - | - | - | Table 1 |
| 24 | Cho, SH | 2008 | 4/1/2007-6/30/2007 | 198 | 44.9 | 41.9 | 14.6 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 25 | Choe, EY | 2017 | - | 5,507 | 56.8 | 50.9 | 46.4 | 46.4 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 26 | Choe, YG | 2013 | 1/1/2009-12/31/2009 | 9,162 | 41.9 | 55.2 | 27.9 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 27 | Choi, JH | 2013 | 1/1/2005-12/31/2005 | 7,849 | 44.6 | 68.9 | 29.2 | - | - | - | Table 1, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 28 | Choi, SY | 2009 | 1/1/2006-12/31/2006 | 17,350 | 49.4 | 52.3 | 33.3 | 55.8 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 29 | Choi, WG | 2010 | 4/1/2007-8/31/2009 | 3,106 | 46.1 | 71.9 | 22.3 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 30 | Choi, Y | 2016 | 3/1/2011-12/31/2013 | 100,177 | - | 46.5 | 21.8 | - | - | - | Table 1 |
| 31 | Chon, CW | 2012 | 1/1/2005-12/31/2005 | 1,161 | 44.8 | 100 | 9.2 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 32 | Chon, YE | 2016 | 11/1/2011-2/28/2013 | 340 | 56 | 56.2 | 45.9 | - | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 35 | Chung, GE | 2015 | 1/1/2010-12/31/2010 | 1,423 | 52.4 | - | 20.7 | - | - | - | Table 1, Table 5 |
| 37\* | Chung, GE | 2015 | 1/1/2010-12/31/2013 | 2,954 | 55.8 | 64.7 | 42.3 | 59.1 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 38 | Chung, GE | 2017 | 1/1/2005-12/31/2010 | 3,473 | - | - | 33.6 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 34 | Chung, GE | 2018 | 1/1/2014-12/31/2014 | 6,290 | 50.1 | 53.9 | 37.2 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 36\* | Chung, GE | 2018 | 1/1/2010-12/31/2010 | 3,300 | 54.1 | 62.9 | 39.7 | 56.7 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 33 | Chung, GE | 2019 | 5/1/2011-12/21/2011 | 1,190 | 51.5 | 42.1 | 27.8 | 54.8 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 39 | Huh, JH | 2015 | 11/1/2005-1/31/2008 | 1,521 | 53.5 | 31.8 | 8.2 | - | - | - | Table 1 |
| 40\* | Huh, JH | 2015 | 1/1/2008-12/31/2010 | 27,433 | 51.5 | - | 7.1 | - | - | - | Table 1, Table 5 Supplemental Table 5, Supplemental Figure 1 |
| 41 | Huh, JH | 2017 | 1/1/2001-12/31/2002 | 4,761 | 51.9 | 38.0 | 12.6 | 29.6 | - | - | Table 1, Table 3a, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 42\* | Huh, JH | 2017 | 4/1/2013-8/31/2014 | 2,198 | 53.7 | 55.7 | 54.0 | - | - | - | Table 1, Table 5, Table 2, Table 3, Supplemental Table 5, Supplemental Figure 1 |
| 43 | Hwang, ST | 2010 | 1/1/2007-12/31/2007 | 2,917 | 47.0 | 65.5 | 30.6 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 44 | Hwang, YC | 2018 | 1/1/2002-12/31/2012 | 318,224 | 39.3 | 51.9 | 26.1 | 62.8 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 45 | Jang, EH | 2019 | 3/1/2011-12/31/2016 | 137,465 | - | - | 27.3 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 46 | Jang, H | 2019 | 10/1/2008-12/31/2013 | 1,260 | 63.8 | 50.8 | 39.5 | 56.0 | - | - | Table 1, Table 5, Table 2, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 47 | Jang, HR | 2018 | 1/1/2003-12/31/2013 | 1,525 | 60.8 | 69.8 | 40.9 | 56.8 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 48 | Jeong, EH | 2013 | 1/1/2009-12/31/2010 | 141,610 | 41.6 | 57.2 | 27.3 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 50 | Jun, DW | 2008 | - | 408 | 46.9 | 43.1 | 51.5 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 51 | Jun, DW | 2017 | 1/1/2000-12/31/2010 | 328 | 36.4 | 70.7 | - | 100 | - | - | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 52 | Jun, EJ | 2009 | 1/1/2006-12/31/2006 | 835 | 43.9 | - | 11.9 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 53\* | Jun, MJ | 2014 | 2/1/2001-4/30/2012 | 1,766 | 29 | 66.5 | 38.3 | - | - | 0 | Table 1, Table 2, Table 3a, Table 3b, Supplemental Table 5, Supplemental Figure 1 |
| 55 | Jung, CH | 2013 | 1/1/2007-12/31/2007 | 7,860 | 48.6 | 65.6 | 10.7 | - | 35.1 | - | Table 1, Table 4, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 54 | Jung, CH | 2016 | 3/1/2007-12/31/2013 | 34,258 | 47.4 | 58.0 | 33.8 | - | - | - | Table 1, Table 5 |
| 57 | Jung, JY | 2017 | 5/1/2011-12/31/2012 | 20,821 | 39.7 | 62.8 | 29.6 | 70.2 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 5 |
| 58 | Kang, MK | 2015 | 1/1/2007-12/31/2010 | 772 | 49.2 | 68.0 | 44.8 | 64.4 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 59 | Kang, YM | 2017 | 1/1/2007-6/30/2011 | 1,240 | 54.2 | 81.7 | 46.0 | - | - | - | Table 1, Table 5 Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 60 | Keum, SH | 2012 | 1/1/2005-12/31/2008 | 189 | 52.7 | 63.0 | 39.2 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 61\* | Khang, AR | 2019 | 1/1/2010-12/31/2011 | 10,107 | - | 38.3 | 11.2 | 26.4 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 62 | Kim, BJ | 2016 | 1/1/2010-12/31/2011 | 1,472 | 44.1 | 84.3 | 45.9 | 74.0 | - | - | Table 1, Table 5, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 63 | Kim, CW | 2013 | 1/1/2011-12/31/2011 | 45,293 | 39.7 | 57.6 | 29.1 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 64 | Kim, D | 2012 | 10/1/2003-12/31/2008 | 4,023 | 56.8 | 60.7 | 40.2 | 53.3 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 69 | Kim, G | 2017 | 2/1/2012-12/31/2014 | 231 | 51.4 | 30.7 | 55.8 | 50.2 | - | - | Table 1, Table 5, Table 2, Table 3a |
| 68 | Kim, G | 2018 | 8/1/2006-8/1/2013 | 15,567 | 61.8 | 58.4 | 18.9 | 60.4 | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 70 | Kim, GA | 2017 | 9/1/2004-12/31/2005 | 25.947 | 48.0 | 53.8 | 33.6 | 65.0 | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 71 | Kim, HJ | 2002 | 4/1/2001-6/30/2001 | 1,074 | 52 | 46.8 | 48.6 | 71.4 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 72\* | Kim, HJ | 2004 | 4/1/2001-6/30/2001 | 768 | 51.7 | 46.0 | 23.4 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 73 | Kim, HK | 2002 | 4/1/2000-6/30/2000 | 115 | 47.3 | 30.4 | 26.1 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 74 | Kim, HK | 2009 | 1/1/2000-12/31/2000 | 2,895 | 47 | 51.9 | 32.1 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 75 | Kim, HL | 2011 | 1/1/2005-12/31/2009 | 794 | 65.4 | 69.4 | 39.0 | 48.3 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 76\* | Kim, HY | 2016 | 1/1/2010-12/31/2011 | 3,739 | 45.2 | 31.7 | 10.4 | 26.9 | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 77 | Kim, J | 2017 | 1/1/2010-12/31/2010 | 1,575 | 39.9 | 89.6 | 46.6 | - | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 78 | Kim, JH | 2019 | - | 5,427 | - | 48.2 | 16.1 | - | - | - | Table 1, Supplemental Table 5, Supplemental Figure 1 |
| 79 | Kim, JK | 2012 | 1/1/1992-7/31/2008 | 64 | 22.2 | 100 | - | 100 | - | 46.9 | Table 1, Table 5, Table 2, Table 3a |
| 80 | Kim, JM | 2016 | 1/1/2012-12/31/2014 | 79 | -  | 67.1 | 10.1 | - | - | - | Table 1 |
| 81 | Kim, JY | 2016 | 1/1/2004-12/31/2007 | 1,695 | 50.5 | 29.5 | 20.5 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 82\* | Kim, KM | 2012 | 10/1/1995-12/31/2009 | 1,365 | - | - | 59.7 | - | - | - | Table 1, Table 2, Table 3a, Supplemental Table 5, Supplemental Figure 1 |
| 83 | Kim, MK | 2015 | 1/1/2008-2/28/2013 | 919 | 57.6 | - | 32.0 | 0 | - | - | Table 1, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 85 | Kim, NH | 2014 | 1/1/2001-1/1/2007 | 2,307 | - | 41.5 | 36.1 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5 |
| 84 | Kim, NH | 2018 | 4/1/2011-12/31/2015 | 160,862 | 36.1 | 51.7 | 25.5 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Figure 1 |
| 87 | Kim, S | 2013 | 5/1/2008-4/30/2010 | 759 | 56.8 | 51.3 | 12.9 | - | - | - | Table 1 |
| 86 | Kim, S | 2017 | 1/1/2002-12/31/2014 | 208,578 | 37.3 | 53.9 | 24.4 | 17.0 | - | - | Table 1, Table 5 |
| 88 | Kim, SH | 2011 | 1/1/2006-12/31/2007 | 5,083 | - | 50.2 | 38.2 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 89\* | Kim, SH | 2014 | 5/26/2009-12/7/2010 | 1,886 | 56.6 | 37.8 | 22.3 | 45.5 | - | - | Table 1, Figure 4, Table 1, Supplemental Table 5, Supplemental Figure 1 |
| 90 | Kim, SM | 2006 | 5/1/2004-9/30/2004 | 208 | 53.2 | 63.5 | - | 0 | - | - | Table 1 |
| 91 | Kim, SS | 2018 | 1/1/2000-12/31/2000 | 2,920 | 45.5 | 57.9 | 31.6 | 59.9 | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 92 | Kim, SY | 2007 | 11/1/2003-1/31/2004 | 401 | 45.9 | 64.6 | 27.2 | 56.4 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 94 | Kim, YC | 2011 | 1/1/2003-12/31/2003 | 494 | 40.8 | 85.0 | 78.0 | - | - | - | Table 1, Table 5, |
| 95 | Kim, YS | 2013 | 1/1/2009-7/1/2011 | 108 | 39.0 | 67.6 | - | - | - | 62.0 | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 96 | Koo, BS | 2018 | 1/1/2013-1/1/2017 | 525 | 53.2 | 49.7 | - | 90.0 | - | 49.0 | Table 1, Table 5, Table 2, Table 3a |
| 97 | Kwak, MS | 2015 | 1/1/2010-12/31/2010 | 17,612 | 48.5 | 49.3 | 30.3 | 57.2 | - |  | Table 1, Table 5, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 99 | Kwak, MS | 2015 | 3/1/2007-12/31/2008 | 1,205 | 51.5 | 56.7 | 32.4 | 56.2 | - |  | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 98 | Kwak, MS | 2017 | 1/1/2007-12/31/2009 | 1,277 | 49.5 | 63.4 | 40.3 | 67.6 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 101\* | Kwak, MS | 2017 | 7/1/2011-7/1/2012 | 213 | 59 | 86.4 | 40.4 | 40.3 | - | - | Table 1, Table 5, Table 2 |
| 100\* | Kwak, MS | 2017 | 1/1/2010-12/31/2012 | 7,417 | 56.7 | - | 6.6 | - | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 102 | Kwon, YM | 2012 | 1/1/2003-12/31/2010 | 30,044 | 45.3 | 34.4 | 20.1 | 0 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 103 | Lee, H | 2019 | 1/1/2002-12/31/2016 | 606 | - | 23.6 | 58.6 | 58.6 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 104 | Lee, HW | 2016 | 11/1/2011-12/31/2013 | 183 | 40.6 | 60.7 | - | - | - | 54.0 | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 105\* | Lee, HW | 2017 | 1/1/2011-7/31/2012 | 304 | 56.5 | 45.7 | 44.1 | 68.1 | - | - | Table 1, Table 3a, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 106 | Lee, HW | 2017 | 4/1/2013-8/31/2014 | 2,749 | - | 58.2 | 42.9 | 66.7 | - | - | Table 1, Table 5, Table 2, Supplemental Table 5, Supplemental Figure 1 |
| 108 | Lee, JA | 2004 | 91/2003-1/31/2004 | 60 | 43.9 | 36.7 | 30.0 | 0 | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b |
| 109 | Lee, JE | 2018 | 1/1/2007-7/31/2010 | 1,652 | 53.4 | 100 | 49.5 | 66.4 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 110 | Lee, JI | 2016 | 1/1/2011-12/31/2012 | 15,913 | 46.3 | 75.7 | 42.4 | 70.0 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 111\* | Lee, JY | 2007 | 7/1/2004-9/1/2005 | 589 | 31.2 | 69.3 | 51.4 | - | - | 4.3 | Table 1, Table 2, Table 3a, Table 3b, Supplemental Table 5, Supplemental Figure 1 |
| 112 | Lee, K | 2009 | 3/1/2005-6/30/2006 | 13,768 | - | 53.1 | 26.2 | 59.7 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 113 | Lee, KE | 2002 | 4/1/2001-6/30/2001 | 779 | 53.2 | 35.1 | 47.5 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 116 | Lee, MK | 2015 | 1/1/2010-12/31/2011 | 21,335 | 40.8 | 100 | 47.2 | 71.6 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 117 | Lee, S | 2016 | 3/1/2007-3/1/2009 | 7,917 | 49.0 | 44.8 | 46.0 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 118 | Lee, SB | 2018 | 1/1/2007-12/31/2011 | 5,121 | 53.8 | 68.1 | 38.6 | 57.1 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 120 | Lee, T | 2016 | 1/1/2010-12/31/2011 | 44,220 | 42.6 | 70.7 | 33.1 | 62.8 | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 122 | Lee, YH | 2014 | 1/1/2008-12/31/2010 | 15,676 | 47.9 | 53.0 | 41.2 | 72.8 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 123\* | Lee, YH | 2015 | 1/1/2008-12/31/2011 | 15,132 | 50.6 | 37.1 | 21.8 | - | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 124\* | Lee, YH | 2016 | 1/1/2008-12/31/2011 | 2,761 | 55.8 | 44.9 | - | 100 | - | - | Table 1, Table 5, Table 2 |
| 125 | Lee, YI | 2012 | 7/1/2002-6/30/2006 | 5,517 | 46.8 | - | 15.1 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 126 | Lee, YJ | 2010 | 3/1/2006-5/1/2007 | 3,768 | 46.1 | 56.6 | 25.8 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 131 | Oh, SY | 2006 | 1/1/2004-12/31/2004 | 40,196 | - | 61.9 | 26.7 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 119 | Lee, SY | 2008 | 7/24/2006-9/30/2006 | 360 | 42.8 | 41.7 | 20.0 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 127 | Min, YW | 2012 | 1/1/2000-12/31/2005 | 227 | 60.9 | 70.9 | 26.0 | 31.1 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 128 | Moon, JS | 2013 | 1/1/2009-12/31/2011 | 9,565 | 47.0 | 55.3 | 19.3 | - | - | - | Table 1, Supplemental Table 5, Supplemental Figure 1 |
| 129\* | Nah, EH | 2008 | 1/1/2006-12/31/2006 | 7,150 | 46.9 | 31.8 | 33.3 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 130 | Nam, JS | 2016 | 1/1/2007-2/28/2013 | 2,242 | 52.9 | 64.4 | 43.5 | 0 | - | - | Table 1, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 132 | Park, BJ | 2008 | 1/1/1998-12/31/2005 | 177 | 32.6 | 69.5 | 29.4 | 0 | - | - | Table 1, Table 2, Table 3a |
| 133 | Park, D | 2015 | 1/1/2008-12/31/2015 | 7,514 | 53.0 | 70.2 | 41.3 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 134 | Park, HE | 2016 | 11/1/2003-12/31/2013 | 1,732 | 57.2 | 74.4 | 48.8 | 66.1 | - | - | Table 1, Table 5, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 135 | Park, JH | 2015 | 11/1/2009-6/30/2012 | 1,363 | 49 | 100 | 44.2 | - | - | - | Table 1, Figure 4, Table 4, Supplemental Table 4a, Supplemental Table 4b |
| 136 | Park, JM | 2019 | 11/1/2013-7/1/2015 | 613 | 53.6 | - | 28.2 | 60.9 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 137 | Park, JW | 2007 | - | 39 | 32.8 | 76.9 | - | 100 | - | 61.5 | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 138 | Park, KS | 2004 | 1/1/1998-12/31/2002 | 43 | 32.9 | 79.1 | ­- | 100 | - | 79.1 | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 139 | Park, SH | 2003 | 1/5/2002-5/31/2002 | 239 | - | 62.4 | 10.8 | - | - | - | Table 1, Supplemental Table 4b, Supplemental Table 5, Supplemental Ta Figure 1ble 7 |
| 140 | Park, SH | 2006 | 1/1/2003-12/31/2003 | 5,228 | 47.9 | 46.9 | 23.7 | 34.8 | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 141 | Park, SK | 2013 | 1/1/2005-12/31/2010 | 25,232 | 42.5 | 35.1 | 35.1 | 0 | - | - | Table 1, Table 4, Table 5 |
| 143 | Rhee, EJ | 2013 | 1/1/2010-12/31/2010 | 6,567 | 42 | 100 | 43.6 | 0 | - | - | Table 1, Table 5 |
| 146\* | Ryoo, JH | 2013 | 1/1/2005-12/31/2005 | 11,926 | 44.1 | 100 | 29.3 | 51.5 | - | - | Table 1, Table 5, Table 2, Table 3a |
| 144\* | Ryoo, JH | 2014 | 1/1/2005-12/31/2005 | 11,350 | 41.4 | 100 | 29.7 | 57.9 | - | - | Table 1, Table 4, Table 2, Table 5, Table 3a |
| 145\* | Ryoo JH | 2014 | 1/1/2005-12/31/2005 | 22,090 | 42.1 | 100 | 34.2 | 64.7 | - | - | Table 1, Table 5, Table 4, Table 2, Table 3a, Supplemental Table 4a |
| 147\* | Ryoo, JH | 2016 | 1/1/2005-12/31/2005 | 20,628 | 42.7 | 100 | 28.5 | 0 | - | - | Table 1, Table 4, Table 2, Table 5, Table 3a |
| 148\* | Ryu, S | 2015 | 3/1/2011-12/31/2013 | 139,056 | 39.9 | 52.4 | 28.2 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 5, Supplemental Figure 1 |
| 149 | Ryu, S | 2015 | 11/1/2012-4/30/2013 | 1,559 | 48.9 | \_ | 21.4 | 72.9 | - | - | Table 1, Table 5, Supplemental Table 4a |
| 151 | Seo, HI | 2012 | 1/1/2007-12/31/2007 | 1,365 | 48.4 | 71.6 | 54.4 | - | - | - | Table 1, Table 5 |
| 152 | Seo, NK | 2015 | 1/1/2006-12/31/2009 | 1,994 | - | 100 | 43.2 | 55.7 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 153 | Seo, SH | 2006 | 1/1/1997-6/30/2003 | 23,762 | 46.6 | 51.2 | 11.5 | 32.7 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 155 | Shin, JY | 2015 | 4/1/2009-3/30/2011 | 16,592 | 47.9 | 40.9 | 28.1 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 156 | Shin, WY | 2011 | 7/1/2007-6/30/2008 | 628 | 46.2 | 52.1 | 58.6 | 0 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 162 | Sinn, DH | 2012 | 1/1/2009-12/31/2009 | 5,878 | 48.4 | 39.2 | 27.4 | 0 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 157 | Sinn, DH | 2015 | 1/1/2009-12/31/2009 | 7,067 | 50.1 | - | 27.5 | - | - | - | Table 1, Table 5 |
| 160\* | Sinn, DH | 2016 | 1/1/2005-12/31/2013 | 37,799 | 51.5 | 86.1 | 41.4 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 161\* | Sinn, DH | 2016 | 1/1/2005-12/31/2013 | 8,020 | 49.2 | 100 | 39.7 | - | - | - | Table 1, Table 4, Table 2, Table 5, Table 3a |
| 158\* | Sinn, DH | 2017 | 1/1/2003-12/31/2013 | 41,430 | 48.9 | 60.9 | 34.3 | 63.4 | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 159\* | Sinn, DH | 2017 | 1/1/2004-12/31/2013 | 4,731 | 52.2 | 91.0 | 44.1 | 63.5 | - | - | Table 1, Table 4, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 163 | Song, DS | 2019 | 1/1/2011-12/31/2015 | 665 | 51.5 | 73.1 | - | 100 | - | - | Table 1, Table 5 |
| 165 | Song, YA | 2016 | 1/1/2012-12/31/2014 | 1,943 | 51.8 | 100 | 52.8 | - | - | - | Table 1, Table 5, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 174 | Sung, KC | 2007 | 1/1/2005-12/31/2005 | 36,654 | 41 | 53.5 | 24.6 | 0 | - | - | Table 1, Table 2, Table 3a, Supplemental Table 4a, Supplemental Table 4b |
| 175 | Sung, KC | 2009 | 1/1/2005-12/31/2005 | 30,172 | 41 | 44.7 | 23.5 | 69.2 | - | 59.7 | Table 1, Table 5, Table 3a |
| 171\* | Sung, KC | 2011 | 1/1/2003-12/31/2003 | 11,091 | 40.9 | 41.7 | 26.8 | 0 | 8.2 | - | Table 1, Table 4, Table 5 |
| 166\* | Sung, KC | 2012 | 1/1/2003-12/31/2003 | 12,853 | 41.7 | 71.7 | 27.7 | 0 | 8.7 | - | Table 1, Table 4, Table 5 |
| 169 | Sung, KC | 2012 | 1/1/2010-12/31/2010 | 10,153 | 41.9 | 76.3 | 37.3 | - | 8.9 | - | Table 1, Table 5 |
| 175\* | Sung, KC | 2013 | 1/1/2003-12/31/2003 | 13,218 | 41.0 | 71.8 | 27.7 | 0 | - | - | Table 1, Table 2, Table 4, Supplemental Table 4a, Supplemental Table 4b |
| 167 | Sung, KC | 2014 | 1/1/2010-12/31/2010 | 14,384 | 42.0 | 82.5 | 43.5 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 172\* | Sung, KC | 2014 | 1/1/2003-12/31/2003 | 11,448 | 40.6 | 69.4 | 25.8 | - | - | - | Table 1, Table 4, Table 5 |
| 168 | Sung, KC | 2016 | 1/1/2010-12/31/012 | 2,175 | 42.5 | 95.1 | 52.5 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 173 | Sung, KC | 2018 | 1/1/2007-12/31/2014 | 29,386 | 36.1 | 81.8 | 57.3 | 0 | - | - | Table 1, Table 5, Supplemental Table 4a |
| 177 | Sung, KC | 2019 | 1/1/2002-12/31/2014 | 158,638 | - | \_ | 25.1 | - | - | - | Table 1 |
| 179 | Yadav, D | 2016 | 11/1/2005-1/31/2008 | 2,784 | 54.8 | 33.9 | 12.0 | 0 | 28.6 | - | Table 1, Table 4 |
| 181 | Yang, MH | 2016 | 1/1/2008-12/31/2010 | 8,327 | 52.9 | 18.8 | 27.1 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b |
| 180 | Yang, HJ | 2016 | 1/1/2002-12/31/2014 | 117,377 | 38.5 | 56.5 | 25.1 | 63.1 | - | - | Table 1, Table 5 |
| 182 | Yang, YJ | 2017 | 1/1/2009-12/31/2013 | 1,023 | 54.6 | 51.1 | 43.1 | 59.9 | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 183 | Yeo, J | 2012 | 1/1/2010-6/30/2010 | 948 | 45.8 | 66.8 | 12.2 | - | - | - | Table 1, Table 5, Supplemental Table 4b |
| 184 | Yi, KH | 2017 | 1/1/2007-12/31/2009 | 4,387 | 35.5 | - | 15.4 | - | - | - | Table 1, Table 5 |
| 185 | Yoo, JH | 2019 | 1/1/2007-12/31/2007 | 14,465 | 48 | 59.5 | 32.0 | 0 | - | - | Table 1, Supplemental Table 4a |
| 186 | You, SC | 2015 | 1/1/2012-7/31/2012 | 159 | 56 | 54.7 | - | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 187\* | You, SC | 2015 | 1/1/2013-3/30/2014 | 285 | - | 56.5 | 49.8 | 68.2 | - | - | Table 1, Table 5, Supplemental Table 5, Supplemental Figure 1 |
| 188 | Yu, SJ | 2015 | 7/1/2000-8/31/2014 | 456 | 34.8 | 65.6 | - | 79.4 | - | 80.6 | Table 1, Table 5, Table 2, Table 3a, Table 3b |
| 190 | Yun, Y | 2019 | 6/1/2014-9/30/2014 | 268 | 43.6 | 51.5 | 28.4 | - | - | - | Table 1, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |
| 191 | Ze, EY | 2018 | 1/1/2008-12/31/2013 | 2,976 | 50 | 64.5 | 50.8 | - | - | - | Table 1, Table 5, Supplemental Table 4a, Supplemental Table 4b, Supplemental Table 5, Supplemental Figure 1 |

\* Studies that have similar cohorts but had differing inclusion/exclusion criterias

**Supplemental Table 2:** Characteristics of included studies for analysis of incidence of NAFLD in general population

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference number** | **Author** | **Publication** **year** | **Patients without NAFLD at baseline (n)** | **Mean age At Baseline (yrs)** | **Male (n, %)** | **New NAFLD (n)** | **Total follow-up (years)** | **Incidence (per 1000 person years)** | **Referenced in figures & tables:** |
| 17\* | Chang, Y | 2007 | 5,237 | 37 | 5,237, 100 | 984 | 3 | 74.1 | Figure 2, Table 4 |
| 20\* | Chang, Y | 2009 | 4,246 | 37 | 4,246, 100 | 622 | 4 | 37.0 | Figure 2, Table 4 |
| 15\* | Chang, Y | 2012 | 2,599 | 36 | 2,599, 100 | 651 | 7 | 50.0 | Figure 2, Table 4 |
| 19\* | Chang, Y | 2012 | 5,900 | 37 | 5,900, 100 | 1,938 | 7 | 69.0 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 21 | Chang, Y | 2016 | 77,425 | 36 | 30,505, 39 | 10,340 | 11 | 29.7 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 45 | Jang EH | 2019 | 137,465 | - | 40,018, 43 | 15,899 | - | 48.4 | Figure 2, Supplemental Table 6, Supplemental Figure 1 |
| 22 | Cho, HJ | 2019 | 1,901 | 44 | 991, 52 | 498 | 10 | - | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 38 | Chung, GE | 2017 | 2,216 | 48 | 955, 43 | 565 | 5 | 51.0 | Figure 2 |
| 49 | Joo, EJ | 2017 | 83,339 | 37 | 42,483, 51 | 22,932 | 8 | 47.3 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 56 | Jung, HS | 2019 | 353,609 | 36 | 87,677, 44 | 45,409 | 2-7 | 42.4 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 64 | Kim, CW | 2012 | 2,410 | 37 | 2,410, 100 | 586 | 4 | 77.7 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 66\* | Kim, D | 2016 | 2,017 | - | 709, 52 | 288 | 5 | 47.3 | Figure 2, Table 4 |
| 67\* | Kim, D | 2018 | 956 | - | 351, 55 | 145 | 5 | 48.7 | Figure 2, Table 4 |
| 74 | Kim, HK | 2009 | 2,895 | 45 | 834, 43 | 374 | 5 | 38.6 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 68 | Kim, G | 2018 | 15,567 | 51 | - | 1,864 | 7 | 21.1 | Figure 2, Supplemental Table 6, Supplemental Figure 1 |
| 85 | Kim, NH | 2014 | 2,307 | 50 | 397, 34 | 199 | 6 | 72.2 | Figure 2, Table 4 |
| 93\* | Kim, TJ | 2017 | 17,028 | 49 | 8,787, 52 | 3,381 | 8 | 40.7 | Figure 2, Supplemental Table 6, Supplemental Figure 1 |
| 107\* | Lee, J | 2017 | 4,138 | 37 | 4,138, 100 | 1,191 | 7 | 21.8 | Figure 2, Table 4 |
| 114 | Lee, KW | 2015 | 18,544 | 38 | 9,878, 53 | 2,348 | 4 | 43.7 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 115 | Lee, MJ | 2019 | 9,782 | 46 | 2,174, 49 | 591 | 8-12 | 13.4 | Figure 2, Table 4 |
| 121 | Lee, WY | 2015 | 3,045 | 44 | 1,625, 53 | 490 | 4 | 40.2 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 142\* | Rhee, EJ | 2011 | 4,954 | 40 | 2,502, 51 | 644 | 5 | 26.0 | Figure 2, Table 4 |
| 150\* | Ryu, S | 2011 | 5,741 | 37 | 5,741, 100 | 1,717 | 5 | 71.6 | Figure 2, Table 4 |
| 152 | Seo, NK | 2015 | 1,994 | 44 | 1,082, 100 | 242 | 4 | 53.3 | Figure 2, Table 4 |
| 154 | Seo, YY | 2013 | 363 | 41 | 210, 58 | 106 | 4 | 73.0 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 161\* | Sinn, DH | 2016 | 8,020 | 49 | 4,835, 100 | 4835 | 8 | 70.1 | Figure 2, Table 4 |
| 164 | Song, JU | 2019 | 126,282 | 36 | 45,889, 45 | 25,525 | 13 | 44.0 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 170 | Sung, KC | 2016 | 126,811 | 37 | 59,584, 47 | 29,014 | 12 | 46.2 | Figure 2, Table 4, Supplemental Table 6, Supplemental Figure 1 |
| 175\* | Sung, KC |  | 13,218 | - | 9,484, 99 | 1,640 | 5 | 34.3 | Figure 2, Supplemental Table 6, Supplemental Figure 1 |
| 167\* | Sung, KC | 2014 | 11,448 | 40 | 5,281, 62 | 1,418 | 5 | 33.4 | Figure 2, Table 4 |
| 178 | Sung, KC | 2012 | 2,589 | 46 | 1,305, 50 | 430 | 4~5 | 37.7 | Figure 2, Table 4, Supplemental Figure 1 |
| 189 | Yun, KE | 2016 | 37,130 | 39 | 17,209, 41 | 6,249 | 11 | 49.1 | Figure 2, Table 4, Supplemental Figure 1 |

\* Studies that have similar cohorts but had differing inclusion/exclusion criterias

**Supplemental table 3:** Quality assessment of studies included in prevalence and incidence analysis

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference number** | **Author** | **Publication year** | **Representativeness (0,1,2)** | **Sample size** **0,1)** | **NAFLD as outcome of interest (0,1,2)** | **Comparability of study population (0,2)** | **Outcome assessment (0,1)** | **Statistical test (0,1)** | **Total** |
| 1 | Ahn AL | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 2 | Ahn JS | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 3 | Ahn JS | 2013 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 4 | Bae JC | 2011 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 5 | Bae JC | 2010 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 6 | Bae JC | 2012 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 7 | Bae JC | 2018 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 8 | Bae JC | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 9 | Baeg MK | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 10 | Baik M | 2019 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 11 | Baik M | 2019 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 12 | Chang Y | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 13 | Chang Y | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 14 | Chang Y | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 15 | Chang Y | 2012 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 16 | Chang Y | 2016 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 17 | Chang Y | 2007 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 18 | Chang Y | 2008 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 19 | Chang Y | 2012 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 20 | Chang Y | 2009 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 21 | Chang Y | 2016 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 22 | Cho HC | 2016 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 23 | Cho HJ | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 24 | Cho SH | 2008 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 25 | Choe EY | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 26 | Choe YG | 2013 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 27 | Choi JH | 2013 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 28 | Choi SY | 2009 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 29 | Choi WG | 2010 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 30 | Choi Y | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 31 | Chon CW | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 32 | Chon YE | 2016 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 33 | Chung GE | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 34 | Chung GE | 2018 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 35 | Chung GE | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 36 | Chung GE | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 37 | Chung GE | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 38 | Chung GE  | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 39 | Huh JH | 2015 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 40 | Huh JH | 2015 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 41 | Huh JH | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 42 | Huh JH | 2017 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 43 | Hwang ST | 2010 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 44 | Hwang YC | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 45 | Jang EH | 2019 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 46 | Jang H | 2019 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 47 | Jang HR | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 48 | Jeong EH | 2013 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 49 | Joo EJ | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 50 | Jun DW | 2008 | 1 | 0 | 2 | 2 | 1 | 1 | 7 |
| 51 | Jun DW | 2017 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 52 | Jun EJ | 2009 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 53 | Jun MJ | 2014 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 54 | Jung CH | 2013 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 55 | Jung CH | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 56 | Jung HS | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 57 | Jung JY | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 58 | Kang MK | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 59 | Kang YM | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 60 | Keum SH | 2012 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 61 | Khang AR | 2019 | 2 | 1 | 1 | 0 | 1 | 1 | 6 |
| 62 | Kim BJ | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 63 | Kim CW | 2013 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 64 | Kim CW | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 65 | Kim D | 2012 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 66 | Kim D | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 67 | Kim D | 2018 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 68 | Kim G | 2018 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 69 | Kim G | 2017 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 70 | Kim GA | 2017 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 71 | Kim HJ | 2002 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 72 | Kim HJ | 2004 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 73 | Kim HK | 2002 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 74 | Kim HK | 2009 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 75 | Kim HL | 2011 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 76 | Kim HY | 2016 | 1 | 1 | 1 | 2 | 1 | 1 | 7 |
| 77 | Kim J | 2017 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 78 | Kim JH | 2019 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 79 | Kim JK | 2012 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 80 | Kim JM | 2016 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 81 | Kim JY | 2016 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 82 | Kim KM | 2012 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 83 | Kim MK | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 84 | Kim NH | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 85 | Kim NH | 2014 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 86 | Kim S | 2017 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 87 | Kim S | 2013 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 88 | Kim SH | 2011 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 89 | Kim SH | 2014 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 90 | Kim SM | 2006 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 91 | Kim SS | 2018 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 92 | Kim SY | 2007 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 93 | Kim TJ | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 94 | Kim YC | 2011 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 95 | Kim YS | 2013 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 96 | Koo, BK | 2018 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 97 | Kwak MS | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 98 | Kwak MS | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 99 | Kwak MS | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 100 | Kwak MS | 2018 | 1 | 1 | 1 | 2 | 1 | 1 | 7 |
| 101 | Kwak MS  | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 102 | Kwon YM | 2012 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 103 | Lee H | 2019 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 104 | Lee HW | 2016 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 105 | Lee HW | 2017 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 106 | Lee HW | 2017 | 1 | 0 | 2 | 2 | 1 | 1 | 7 |
| 107 | Lee J | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 108 | Lee JA | 2004 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 109 | Lee JE | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 110 | Lee JI | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 111 | Lee JY | 2007 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 112 | Lee K | 2009 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 113 | Lee KE | 2002 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 114 | Lee KW | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 115 | Lee MJ | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 116 | Lee MK  | 2015 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 117 | Lee S | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 118 | Lee SB | 2018 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 119 | Lee SY | 2008 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 120 | Lee T | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 121 | Lee WY | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 122 | Lee YH | 2014 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 123 | Lee YH  | 2015 | 2 | 1 | 1 | 2 | 1 | 1 | 8 |
| 124 | Lee YH | 2016 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 125 | Lee YI | 2012 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 126 | Lee YJ  | 2010 | 1 | 1 | 2 | 2 | 1 | 1 | 8 |
| 127 | Min YW | 2012 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 128 | Moon JS | 2013 | 1 | 1 | 1 | 0 | 1 | 1 | 5 |
| 129 | Nah EH | 2008 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 130 | Nam JS | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 131 | Oh SY | 2006 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 132 | Park BJ | 2008 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 133 | Park D | 2017 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 134 | Park HE | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 135 | Park JH | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 136 | Park JM | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 137 | Park JW | 2007 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 138 | Park KS | 2004 | 1 | 0 | 2 | 0 | 1 | 1 | 5 |
| 139 | Park SH | 2003 | 1 | 2 | 2 | 0 | 1 | 1 | 7 |
| 140 | Park SH | 2006 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 141 | Park SK | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 142 | Rhee EJ | 2011 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 143 | Rhee EJ | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 144 | Ryoo JH | 2014 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 145 | Ryoo JH | 2014 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 146 | Ryoo JH | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 147 | Ryoo JH | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 148 | Ryu S | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 149 | Ryu S | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 150 | Ryu S | 2011 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 151 | Seo HI | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 152 | Seo NK | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 153 | Seo SH | 2006 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 154 | Seo YY | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 155 | Shin JY  | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 156 | Shin WY | 2011 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 157 | Sinn DH | 2015 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 158 | Sinn DH | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 159 | Sinn DH | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 160 | Sinn DH | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 161 | Sinn DH | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 162 | Sinn DH | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 163 | Song DS | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 164 | Song JU | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 165 | Song YA  | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 166 | Sung KC | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 167 | Sung KC | 2014 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 168 | Sung KC | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 169 | Sung KC | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 170 | Sung KC | 2016 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 171 | Sung KC | 2011 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 172 | Sung KC | 2014 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 173 | Sung KC | 2018 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 174 | Sung KC | 2007 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 175 | Sung KC | 2013 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 176 | Sung KC | 2009 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 177 | Sung KC | 2019 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 178 | Sung KC | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 179 | Yadav D | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 180 | Yang HJ | 2017 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 181 | Yang MH | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 182 | Yang YJ | 2017 | 1 | 1 | 2 | 0 | 1 | 1 | 6 |
| 183 | Yeo J | 2012 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 184 | Yi KH | 2017 | 2 | 1 | 2 | 2 | 1 | 1 | 9 |
| 185 | Yoo JH | 2019 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 186 | You SC | 2015 | 2 | 0 | 2 | 0 | 1 | 1 | 6 |
| 187 | You SC | 2015 | 2 | 0 | 1 | 0 | 1 | 1 | 5 |
| 188 | Yu SJ | 2015 | 1 | 0 | 2 | 0 | 0 | 1 | 4 |
| 189 | Yun KE | 2016 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |
| 190 | Yun Y | 2019 | 2 | 0 | 2 | 2 | 1 | 1 | 8 |
| 191 | Ze EY | 2018 | 2 | 1 | 2 | 0 | 1 | 1 | 7 |

**Supplemental Table 4a:** The prevalence of NAFLD in South Korea by province



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Region** | **Studies****(N)** | **Participants** **(n)** | **Prevalence of NAFLD(%, 95% CI)** | **I2** | ***P* value** |
| **Whole country** | **1** | **2,440,289** | **34.23% (33.61 – 34.86)** | **0%** | **0.0081** |
|  Gyeonggi-do | 98 | 2,377,934 | 33.10% (30.78 – 35.50) | 99.9% |  |
|  Gangwon-do | 0 | 0 | - | - |  |
|  Chungcheong-do | 0 | 0 | - | - |  |
|  Jeolla-do | 0 | 0 | - | - |  |
|  Gyeongsang-do | 5 | 40,265 | 18.19% (11.29 – 27.98) | 99.7% |  |

**Supplemental Table 4b.** The prevalence of NAFLD in Seoul v. outside of Seoul



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Region** | **Studies****(N)** | **Participants** **(n)** | **Prevalence of NAFLD(%, 95% CI)** | **I2** | ***P* value** |
| **Seoul vs. outside of Seoul**  |  |  |  |  | 0.01 |
|  Seoul | 76 | 798,300 | 34.55% (32.00 – 37.19) | 99.8% |  |
|  Outside of Seoul | 14 | 71,239 | 25.22% (19.17 – 32.42) | 99.7% |  |

**Supplemental Table 5:** Sensitivity analysis and Egger’s test for publication bias of NAFLD prevalence

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Subgroup of sensitivity analysis** | **Studies** **(N)** | **Study population (n)** | **NAFLD** **(n)** | **Prevalence** **(% 95% CI)** | **Egger’s test for publication bias** ***P*-value (P)** |
| All studies | 85 | 2,062,833 | 571,645 | 31.46 (28.61 – 34.45) | 0.04 |
| Quality assessment score ≥7 | 34 | 1,160,275 | 324,981 | 27.87 (24.09 – 31.99) | 0.55 |
| Sample size ≥1000 | 71 | 2,057,020 | 569,159 | 30.45 (27.40 – 33.67) | 0.08 |
| Health check-up center studies | 74 | 2,010,152 | 561,422 | 32.68 (30.01 – 32.68) | 0.01 |
| Clinical clinic and survey data based studies | 11 | 52,681 | 10,223 | 24.06 (15.02 – 36.22) | 0.94 |
| Prevalence 10-50% | 77 | 2,018,188 | 563,984 | 30.97 (28.44 – 33.61) | 0.03 |

\*All I2 ≥99.8

 **Supplemental Table 6:** Sensitivity analysis of NAFLD incidence

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Subgroup of sensitivity analysis** | **Studies (n)** | **NAFLD free participants (n)** | **New NAFLD (n)** | **Incidence (% 95% CI) (per 1000 person-years)** |
| All studies | 18 | 796,189 | 169,023 | 04.28 (03.86 – 04.71) |
| Quality assessment score ≥7 | 15 | 694,851 | 150,812 | 04.21 (03.76 – 04.68) |
| Sample size ≥1000 | 18 | 796,189 | 169,023 | 04.28 (03.86 – 04.71) |
| Health check-up center studies | 18 | 796,189 | 169,023 | 04.28 (03.86 – 04.71) |

\*All I2 ≥99.7

**Supplemental Figure 1:** Funnel plot and *P*-value of Egger’s test for publication bias of NAFLD prevalence and incidence analysis in general population

1. NAFLD prevalence analysis



*p*=0.039

B. NAFLD incidence analysis



*p*=0.619

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