

## XIb. Thyroid carcinomas

|  | 0-14 |                 |      |        | 0-19 |                 |      |        | Age-specific rates per million |     |       |       |
|--|------|-----------------|------|--------|------|-----------------|------|--------|--------------------------------|-----|-------|-------|
|  | N    | ASR per million |      |        | N    | ASR per million |      |        | 0-4                            | 5-9 | 10-14 | 15-19 |
|  |      | All             | Male | Female |      | All             | Male | Female |                                |     |       |       |
| <b>AFRICA</b>                                  |      |                 |      |        |      |                 |      |        |                                |     |       |       |
| ALGERIA, 5 registries (1996-2014)              | 18   | 0.9             | 0.6  | 1.2    | 51   | 1.8             | 1.3  | 2.4    | 0.2                            | 0.7 | 2.1   | 4.9   |
| ALGERIA, Algiers (2008-2012)                   | 4    | 1.1             | 0.6  | 1.7    | 16   | 2.8             | 1.7  | 3.9    | 0.8                            | 0.9 | 1.8   | 8.5   |
| ALGERIA, Sétif (1996-2014)                     | 7    | 0.7             | 0.8  | 0.6    | 17   | 1.2             | 1.3  | 1.2    | 0.0                            | 0.7 | 1.7   | 3.1   |
| ALGERIA, Tiemcen (2006-2014)                   | 4    | 1.6             | 0.0  | 3.2    | 11   | 3.2             | 0.6  | 5.9    | 0.0                            | 1.4 | 3.9   | 8.7   |
| BOTSWANA (1999-2007)                           | 2    | 0.3             | 0.7  | 0.0    | 4    | 0.5             | 0.8  | 0.3    | 0.0                            | 1.1 | 0.0   | 1.1   |
| CAMEROON, Yaoundé (2004-2006)                  | 1    | 0.4             | 0.0  | 0.8    | 2    | 0.7             | 0.0  | 1.4    | 0.0                            | 0.0 | 1.5   | 1.6   |
| EGYPT, Gharbiah (1999-2010)                    | 7    | 0.4             | 0.1  | 0.7    | 39   | 1.6             | 0.6  | 2.6    | 0.0                            | 0.4 | 0.9   | 5.8   |
| FRANCE, Réunion (1990-2011)                    | 3    | 0.6             | 0.4  | 0.8    | 11   | 1.7             | 1.8  | 1.6    | 0.0                            | 0.7 | 1.3   | 5.6   |
| KENYA, 2 registries (2000-2012)                | -    | 0.0             | 0.0  | 0.0    | 6    | 0.5             | 0.0  | 0.8    | 0.0                            | 0.0 | 0.0   | 2.0   |
| KENYA, Eldoret (2000-2011)                     | -    | 0.0             | 0.0  | 0.0    | 3    | 0.6             | 0.0  | 1.2    | 0.0                            | 0.0 | 0.0   | 2.8   |
| KENYA, Nairobi (2006-2012)                     | -    | 0.0             | 0.0  | 0.0    | 3    | 0.4             | 0.0  | 0.6    | 0.0                            | 0.0 | 0.0   | 1.6   |
| LIBYA, Benghazi (2003-2008)                    | 1    | 0.3             | 0.7  | 0.0    | 2    | 0.5             | 0.5  | 0.5    | 0.0                            | 1.0 | 0.0   | 1.0   |
| MALI, Bamako (2005-2014)                       | 2    | 0.3             | 0.3  | 0.3    | 8    | 0.7             | 0.9  | 0.7    | 0.0                            | 0.0 | 1.0   | 2.3   |
| MAURITIUS (2001-2013)                          | 2    | 0.5             | 0.9  | 0.0    | 4    | 0.7             | 1.1  | 0.3    | 0.0                            | 0.8 | 0.7   | 1.5   |
| MOROCCO, 2 registries (2005-2012)              | 8    | 0.8             | 0.2  | 1.5    | 31   | 2.2             | 0.4  | 4.1    | 0.3                            | 1.0 | 1.3   | 7.1   |
| MOROCCO, Casablanca (2005-2012)                | 7    | 0.8             | 0.0  | 1.7    | 26   | 2.1             | 0.3  | 4.0    | 0.4                            | 1.2 | 1.1   | 6.6   |
| SOUTH AFRICA, paediatric (1998-2012)           | 14   | 0.1             | 0.1  | 0.1    | -    | -               | -    | -      | 0.0                            | 0.1 | 0.1   | -     |
| SOUTH AFRICA, paediatric, Asian (1998-2012)    | -    | 0.0             | 0.0  | 0.0    | -    | -               | -    | -      | 0.0                            | 0.0 | 0.0   | -     |
| SOUTH AFRICA, paediatric, Black (1998-2012)    | 8    | 0.0             | 0.0  | 0.0    | -    | -               | -    | -      | 0.0                            | 0.0 | 0.1   | -     |
| SOUTH AFRICA, paediatric, Coloured (1998-2012) | 3    | 0.1             | 0.2  | 0.1    | -    | -               | -    | -      | 0.0                            | 0.2 | 0.3   | -     |
| SOUTH AFRICA, paediatric, White (1998-2012)    | 3    | 0.2             | 0.3  | 0.2    | -    | -               | -    | -      | 0.0                            | 0.5 | 0.2   | -     |
| TUNISIA, 2 registries (1993-2007)              | 19   | 0.9             | 0.6  | 1.1    | 66   | 2.2             | 1.3  | 3.1    | 0.2                            | 0.5 | 2.2   | 6.7   |
| TUNISIA, Central (1993-2007)                   | 1    | 0.4             | 0.7  | 0.0    | 5    | 1.5             | 1.7  | 1.2    | 0.0                            | 0.0 | 1.3   | 5.2   |
| TUNISIA, North (1994-2006)                     | 18   | 0.9             | 0.6  | 1.2    | 61   | 2.3             | 1.3  | 3.3    | 0.2                            | 0.5 | 2.3   | 6.9   |
| UGANDA, Kampala (1996-2013)                    | 2    | 0.1             | 0.0  | 0.3    | 4    | 0.2             | 0.0  | 0.4    | 0.0                            | 0.0 | 0.5   | 0.4   |
| ZIMBABWE, Harare (1995-2013)                   | -    | 0.0             | 0.0  | 0.0    | -    | 0.0             | 0.0  | 0.0    | 0.0                            | 0.0 | 0.0   | 0.0   |
| <b>AMERICA, LATIN AND THE CARIBBEAN</b>        |      |                 |      |        |      |                 |      |        |                                |     |       |       |
| ARGENTINA, paediatric (2000-2013)              | 33   | 0.2             | 0.1  | 0.3    | -    | -               | -    | -      | 0.0                            | 0.3 | 0.4   | -     |
| ARGENTINA, 6 registries (1991-2013)            | 13   | 0.5             | 0.4  | 0.7    | 65   | 2.0             | 0.9  | 3.1    | 0.1                            | 0.4 | 1.2   | 7.0   |
| ARGENTINA, Chaco (2002-2012)                   | 2    | 0.6             | 0.7  | 0.5    | 7    | 1.4             | 0.9  | 1.9    | 0.9                            | 0.0 | 0.8   | 4.1   |
| ARGENTINA, Córdoba (2004-2012)                 | 8    | 1.0             | 0.3  | 1.7    | 26   | 2.3             | 0.4  | 4.3    | 0.0                            | 0.8 | 2.4   | 7.0   |
| ARGENTINA, Entre Rios (2001-2011)              | -    | 0.0             | 0.0  | 0.0    | 10   | 2.0             | 0.4  | 3.6    | 0.0                            | 0.0 | 0.0   | 8.9   |
| ARGENTINA, Mendoza (2003-2012)                 | 3    | 0.6             | 0.8  | 0.4    | 19   | 2.8             | 2.3  | 3.2    | 0.0                            | 0.7 | 1.3   | 10.3  |
| ARGENTINA, Neuquén (2003-2013)                 | -    | 0.0             | 0.0  | 0.0    | 1    | 0.4             | 0.8  | 0.0    | 0.0                            | 0.0 | 0.0   | 1.7   |
| BRAZIL, 5 registries (1995-2012)               | 30   | 1.4             | 0.9  | 1.8    | 128  | 4.1             | 2.3  | 5.7    | 0.0                            | 0.7 | 4.0   | 13.4  |
| BRAZIL, Aracaju (1996-2012)                    | 8    | 3.0             | 2.2  | 3.8    | 26   | 6.9             | 5.4  | 8.3    | 0.0                            | 1.4 | 8.7   | 20.3  |
| BRAZIL, Belo Horizonte (2000-2006)             | 6    | 1.3             | 0.4  | 2.1    | 18   | 2.7             | 0.3  | 4.9    | 0.0                            | 0.0 | 4.4   | 7.5   |
| BRAZIL, Curitiba (1998-2010)                   | 9    | 1.4             | 1.0  | 1.9    | 33   | 3.7             | 1.9  | 5.6    | 0.0                            | 0.6 | 4.3   | 11.7  |
| BRAZIL, Goiânia (1995-2011)                    | 5    | 0.9             | 0.7  | 1.1    | 44   | 5.1             | 2.9  | 7.2    | 0.0                            | 1.2 | 1.7   | 19.6  |
| BRAZIL, João Pessoa (1999-2010)                | 2    | 0.8             | 0.8  | 0.8    | 7    | 2.0             | 2.9  | 1.2    | 0.0                            | 0.0 | 2.7   | 6.2   |
| CHILE, paediatric (2007-2011)                  | 29   | 1.4             | 0.7  | 2.1    | -    | -               | -    | -      | 0.5                            | 0.8 | 3.1   | -     |
| CHILE, 4 registries (1998-2012)                | 9    | 1.8             | 0.7  | 2.9    | 32   | 4.4             | 2.1  | 6.8    | 0.7                            | 1.3 | 3.6   | 13.5  |
| COLOMBIA, 4 registries (1992-2013)             | 31   | 1.5             | 0.7  | 2.4    | 91   | 3.4             | 1.2  | 5.4    | 0.2                            | 0.5 | 4.4   | 9.7   |
| COLOMBIA, Bucaramanga (2000-2012)              | 7    | 1.6             | 0.9  | 2.4    | 17   | 3.0             | 2.1  | 4.0    | 0.0                            | 0.0 | 5.6   | 7.8   |
| COLOMBIA, Cali (1992-2013)                     | 21   | 1.6             | 0.7  | 2.4    | 58   | 3.3             | 0.8  | 5.7    | 0.3                            | 0.5 | 4.5   | 9.3   |
| COSTA RICA (1993-2012)                         | 47   | 1.8             | 0.6  | 2.9    | 138  | 3.9             | 1.3  | 6.7    | 0.3                            | 1.9 | 3.7   | 11.4  |
| CUBA (2000-2012)                               | 49   | 1.5             | 0.9  | 2.1    | 148  | 3.3             | 1.9  | 4.7    | 0.0                            | 0.4 | 4.6   | 9.6   |
| ECUADOR, 5 registries (1993-2013)              | 29   | 1.2             | 0.5  | 1.9    | 93   | 2.9             | 1.2  | 4.5    | 0.0                            | 1.0 | 3.0   | 8.7   |
| ECUADOR, Cuenca (1996-2013)                    | 6    | 2.1             | 0.7  | 3.5    | 14   | 3.6             | 1.0  | 6.2    | 0.0                            | 1.2 | 5.8   | 9.1   |
| ECUADOR, Guayaquil (2008-2012)                 | 6    | 1.5             | 0.5  | 2.6    | 18   | 3.7             | 0.8  | 6.5    | 0.0                            | 0.9 | 4.3   | 11.1  |
| ECUADOR, Manabí (1995-2011)                    | 4    | 0.5             | 0.3  | 0.8    | 12   | 1.2             | 0.2  | 2.2    | 0.0                            | 0.9 | 0.9   | 3.6   |
| ECUADOR, Quito (1993-2012)                     | 10   | 1.1             | 0.7  | 1.5    | 41   | 3.3             | 2.0  | 4.6    | 0.0                            | 1.1 | 2.6   | 11.1  |
| FRANCE, 3 registries (1990-2012)               | 2    | 0.5             | 0.0  | 1.1    | 14   | 3.0             | 0.8  | 5.2    | 0.0                            | 0.0 | 1.8   | 11.3  |
| HONDURAS, Francisco Morazán (2002-2012)        | 6    | 0.8             | 0.5  | 1.0    | 27   | 2.8             | 0.8  | 4.7    | 0.0                            | 1.6 | 0.9   | 9.7   |
| JAMAICA, Kingston and St Andrew (1982-2012)    | 2    | 0.3             | 0.3  | 0.3    | 7    | 0.8             | 0.5  | 1.1    | 0.0                            | 0.0 | 1.0   | 2.5   |
| MEXICO, Mexico City, paediatric (1997-2013)    | 11   | 0.8             | 0.4  | 1.2    | -    | -               | -    | -      | 0.0                            | 1.0 | 1.8   | -     |
| PERU, Lima (2010-2012)                         | 12   | 1.5             | 0.5  | 2.6    | 51   | 4.5             | 1.8  | 7.3    | 0.0                            | 1.7 | 3.4   | 14.8  |
| PERU, Trujillo (1990-2002)                     | 2    | 0.7             | 1.4  | 0.0    | 9    | 2.4             | 1.7  | 2.9    | 0.0                            | 0.0 | 2.5   | 8.0   |
| USA, Puerto Rico (1992-2012)                   | 46   | 2.2             | 1.3  | 3.1    | 158  | 5.6             | 1.9  | 9.6    | 0.2                            | 0.7 | 6.5   | 17.6  |
| URUGUAY (1993-2012)                            | 32   | 1.8             | 0.9  | 2.8    | 89   | 3.9             | 1.7  | 6.1    | 0.0                            | 0.8 | 5.4   | 11.0  |
| <b>AMERICA, NORTH</b>                          |      |                 |      |        |      |                 |      |        |                                |     |       |       |
| CANADA, 9 registries (1992-2013)               | 275  | 2.1             | 1.1  | 3.1    | 1148 | 6.3             | 2.9  | 9.9    | 0.3                            | 1.5 | 5.1   | 20.8  |
| CANADA, Alberta (1992-2013)                    | 23   | 1.4             | 1.0  | 1.9    | 120  | 5.5             | 2.6  | 8.6    | 0.0                            | 1.3 | 3.5   | 19.5  |
| CANADA, British Columbia (1992-2013)           | 24   | 1.3             | 0.6  | 2.1    | 98   | 3.9             | 1.8  | 6.1    | 0.4                            | 0.6 | 3.4   | 12.6  |
| CANADA, Manitoba (1992-2013)                   | 14   | 2.3             | 0.9  | 3.8    | 54   | 6.7             | 2.2  | 11.5   | 0.6                            | 0.6 | 6.6   | 21.7  |
| CANADA, Nova Scotia (1992-2013)                | 7    | 1.7             | 0.0  | 3.4    | 24   | 4.1             | 0.6  | 7.7    | 0.0                            | 1.7 | 3.9   | 12.4  |
| CANADA, Ontario (1992-2012)                    | 127  | 2.4             | 1.3  | 3.5    | 577  | 7.8             | 3.6  | 12.3   | 0.3                            | 1.8 | 5.7   | 26.6  |
| CANADA, Quebec (1992-2010)                     | 74   | 2.6             | 1.5  | 3.6    | 244  | 6.1             | 2.9  | 9.5    | 0.3                            | 1.7 | 6.6   | 18.5  |
| CANADA, Saskatchewan (1992-2013)               | 5    | 1.0             | 1.1  | 0.9    | 30   | 4.1             | 2.4  | 5.9    | 0.0                            | 1.9 | 1.2   | 14.7  |
| USA (1998-2012)                                | 2163 | 2.1             | 1.1  | 3.1    | 8559 | 6.2             | 2.3  | 10.3   | 0.2                            | 1.2 | 5.6   | 20.2  |
| USA, API (1998-2012)                           | 91   | 1.8             | 0.6  | 3.1    | 380  | 5.6             | 1.7  | 9.8    | 0.1                            | 0.6 | 5.4   | 18.8  |
| USA, Black (1998-2012)                         | 151  | 0.9             | 0.5  | 1.3    | 496  | 2.2             | 0.9  | 3.5    | 0.1                            | 0.6 | 2.3   | 6.7   |
| USA, Hispanic White (1998-2012)                | 376  | 2.1             | 1.0  | 3.2    | 1316 | 5.7             | 1.9  | 9.9    | 0.2                            | 1.3 | 5.6   | 18.2  |
| USA, Native American (1998-2012)               | 16   | 1.0             | 1.1  | 0.8    | 63   | 2.8             | 1.5  | 4.2    | 0.2                            | 0.4 | 2.6   | 9.2   |
| USA, NH White (1998-2012)                      | 1464 | 2.4             | 1.3  | 3.5    | 6011 | 7.1             | 2.7  | 11.8   | 0.3                            | 1.3 | 6.3   | 23.6  |
| USA, NPCR (1998-2012)                          | 2070 | 2.1             | 1.1  | 3.1    | 8126 | 6.1             | 2.3  | 10.2   | 0.2                            | 1.2 | 5.6   | 20.0  |
| USA, NPCR, API (1998-2012)                     | 84   | 1.8             | 0.6  | 3.1    | 349  | 5.7             | 1.6  | 9.9    | 0.1                            | 0.7 | 5.4   | 18.8  |
| USA, NPCR, Black (1998-2012)                   | 149  | 0.9             | 0.5  | 1.3    | 489  | 2.2             | 0.9  | 3.6    | 0.1                            | 0.6 | 2.3   | 6.7   |
| USA, NPCR, Hispanic White (1998-2012)          | 362  | 2.1             | 1.0  | 3.3    | 1260 | 5.7             | 1.9  | 9.8    | 0.2                            | 1.3 | 5.6   | 18.1  |
| USA, NPCR, Native American (1998-2012)         | 13   | 0.9             | 1.1  | 0.7    | 57   | 2.8             | 1.6  | 4.1    | 0.2                            | 0.5 | 2.2   | 9.4   |
| USA, NPCR, NH White (1998-2012)                | 1400 | 2.4             | 1.3  | 3.5    | 5690 | 7.1             | 2.7  | 11.7   | 0.3                            | 1.3 | 6.3   | 23.3  |
| USA, SEER 18 (1993-2012)                       | 656  | 2.0             | 0.9  | 3.2    | 2613 | 6.1             | 2.2  | 10.3   | 0.2                            | 1.2 | 5.4   | 20.3  |
| USA, SEER 18, API (1993-2012)                  | 54   | 1.8             | 0.2  | 3.5    | 240  | 6.0             | 1.6  | 10.8   | 0.0                            | 0.7 | 5.4   | 20.7  |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

## XIb. Thyroid carcinomas

|   | 0-14 |                 |      | 0-19   |      |                 | Age-specific rates per million |        |     |     |       |       |
|---|------|-----------------|------|--------|------|-----------------|--------------------------------|--------|-----|-----|-------|-------|
|   | N    | ASR per million |      |        | N    | ASR per million |                                |        | 0-4 | 5-9 | 10-14 | 15-19 |
|   |      | All             | Male | Female |      | All             | Male                           | Female |     |     |       |       |
| USA, SEER 18, Black (1993-2012)                                 | 39   | 0.8             | 0.6  | 1.0    | 127  | 2.0             | 0.9                            | 3.2    | 0.0 | 0.5 | 2.2   | 6.3   |
| USA, SEER 18, Hispanic White (1993-2012)                        | 168  | 2.1             | 0.8  | 3.5    | 584  | 5.8             | 2.0                            | 9.9    | 0.2 | 1.5 | 5.5   | 18.5  |
| USA, SEER 18, Native American (1993-2012)                       | 7    | 1.1             | 0.9  | 1.3    | 27   | 3.2             | 1.2                            | 5.4    | 0.0 | 1.1 | 2.6   | 10.5  |
| USA, SEER 18, NH White (1993-2012)                              | 376  | 2.3             | 1.2  | 3.6    | 1590 | 7.4             | 2.8                            | 12.3   | 0.3 | 1.3 | 6.2   | 24.9  |
| USA, SEER 9, Black (1993-2012)                                  | 14   | 0.7             | 0.9  | 0.5    | 50   | 2.0             | 1.0                            | 3.0    | 0.0 | 0.3 | 2.1   | 6.5   |
| USA, SEER 9, White (1993-2012)                                  | 191  | 2.1             | 1.0  | 3.2    | 841  | 6.9             | 2.5                            | 11.5   | 0.2 | 1.1 | 5.6   | 23.5  |
| USA, Alabama (1998-2012)  | 20   | 1.2             | 0.5  | 2.0    | 90   | 4.1             | 0.8                            | 7.6    | 0.0 | 0.9 | 3.3   | 14.1  |
| USA, Alabama, Black (1998-2012)                                 | 5    | 0.9             | 0.4  | 1.5    | 16   | 2.2             | 0.3                            | 4.2    | 0.0 | 0.0 | 3.2   | 6.7   |
| USA, Alabama, NH White (1998-2012)                              | 14   | 1.4             | 0.6  | 2.2    | 70   | 5.1             | 1.2                            | 9.3    | 0.0 | 1.4 | 3.3   | 18.0  |
| USA, Alaska (1998-2012)   | 4    | 1.5             | 2.2  | 0.7    | 31   | 8.9             | 3.4                            | 15.0   | 0.0 | 1.3 | 3.7   | 34.2  |
| USA, Alaska, NH White (1998-2012)                               | 1    | 0.6             | 1.1  | 0.0    | 19   | 8.7             | 1.7                            | 16.6   | 0.0 | 0.0 | 2.0   | 36.7  |
| USA, Arizona (1998-2012)  | 39   | 1.9             | 1.3  | 2.4    | 153  | 5.6             | 1.9                            | 9.5    | 0.3 | 0.5 | 5.4   | 18.4  |
| USA, Arizona, Hispanic White (1998-2012)                        | 18   | 2.4             | 1.3  | 3.5    | 58   | 6.1             | 1.6                            | 11.0   | 0.4 | 0.0 | 7.7   | 19.0  |
| USA, Arizona, NH White (1998-2012)                              | 13   | 1.3             | 1.2  | 1.4    | 72   | 5.3             | 1.9                            | 8.9    | 0.0 | 1.0 | 3.3   | 19.1  |
| USA, Arkansas (1998-2012)                                       | 21   | 2.2             | 1.1  | 3.3    | 72   | 5.5             | 2.6                            | 8.6    | 0.7 | 1.1 | 5.5   | 17.1  |
| USA, Arkansas, Black (1998-2012)                                | 1    | 0.5             | 0.0  | 1.1    | 7    | 2.6             | 0.0                            | 5.3    | 0.0 | 1.7 | 0.0   | 9.7   |
| USA, Arkansas, NH White (1998-2012)                             | 20   | 3.0             | 1.6  | 4.4    | 62   | 6.7             | 3.7                            | 9.9    | 1.0 | 1.0 | 7.7   | 19.7  |
| USA, California (1998-2012)                                     | 252  | 1.9             | 0.8  | 3.1    | 1023 | 5.9             | 2.0                            | 10.1   | 0.2 | 1.3 | 5.0   | 19.5  |
| USA, California, API (1998-2012)                                | 31   | 1.9             | 0.2  | 3.7    | 135  | 6.1             | 1.3                            | 11.1   | 0.0 | 1.1 | 5.3   | 20.4  |
| USA, California, Black (1998-2012)                              | 11   | 0.9             | 0.8  | 1.0    | 34   | 2.3             | 1.2                            | 3.4    | 0.0 | 0.0 | 3.2   | 6.8   |
| USA, California, Hispanic White (1998-2012)                     | 118  | 2.1             | 0.7  | 3.5    | 395  | 5.5             | 1.9                            | 9.4    | 0.2 | 1.4 | 5.5   | 17.2  |
| USA, California, NH White (1998-2012)                           | 92   | 2.1             | 1.1  | 3.1    | 450  | 7.3             | 2.6                            | 12.4   | 0.3 | 1.7 | 5.0   | 25.3  |
| USA, California, Greater California (2000-2012)                 | 138  | 2.1             | 0.9  | 3.4    | 531  | 6.1             | 1.9                            | 10.6   | 0.3 | 1.4 | 5.4   | 19.8  |
| USA, California, Greater California, API (2000-2012)            | 11   | 1.8             | 0.3  | 3.4    | 42   | 4.9             | 0.7                            | 9.3    | 0.0 | 2.8 | 3.2   | 15.3  |
| USA, California, Greater California, Black (2000-2012)          | 4    | 0.8             | 0.8  | 0.8    | 15   | 2.4             | 0.9                            | 4.0    | 0.0 | 0.0 | 2.8   | 7.8   |
| USA, California, Greater California, Hispanic White (2000-2012) | 61   | 2.2             | 0.9  | 3.7    | 207  | 6.0             | 2.1                            | 10.2   | 0.4 | 1.1 | 6.0   | 18.9  |
| USA, California, Greater California, NH White (2000-2012)       | 60   | 2.4             | 1.1  | 3.7    | 257  | 7.2             | 2.3                            | 12.6   | 0.3 | 1.7 | 5.9   | 23.9  |
| USA, California, Los Angeles (1993-2012)                        | 84   | 1.8             | 0.5  | 3.1    | 315  | 5.1             | 1.8                            | 8.6    | 0.0 | 1.3 | 4.6   | 16.7  |
| USA, California, Los Angeles, API (1993-2012)                   | 11   | 1.9             | 0.3  | 3.6    | 35   | 4.5             | 1.5                            | 7.8    | 0.0 | 0.0 | 6.6   | 13.6  |
| USA, California, Los Angeles, Black (1993-2012)                 | 4    | 0.7             | 0.0  | 1.4    | 14   | 2.0             | 0.8                            | 3.1    | 0.0 | 0.0 | 2.4   | 6.3   |
| USA, California, Los Angeles, Hispanic White (1993-2012)        | 50   | 2.0             | 0.5  | 3.5    | 168  | 5.2             | 1.7                            | 8.9    | 0.0 | 1.7 | 4.9   | 16.4  |
| USA, California, Los Angeles, NH White (1993-2012)              | 16   | 1.6             | 0.8  | 2.4    | 93   | 6.9             | 2.6                            | 11.3   | 0.0 | 1.4 | 3.9   | 25.0  |
| USA, California, San Francisco (1993-2012)                      | 34   | 2.0             | 0.6  | 3.5    | 137  | 6.4             | 1.4                            | 11.7   | 0.4 | 1.0 | 5.4   | 21.3  |
| USA, California, San Francisco, API (1993-2012)                 | 9    | 2.2             | 0.0  | 4.6    | 44   | 8.6             | 0.8                            | 16.8   | 0.0 | 0.0 | 7.6   | 30.4  |
| USA, California, San Francisco, Black (1993-2012)               | 2    | 0.9             | 1.7  | 0.0    | 8    | 2.8             | 1.3                            | 4.3    | 0.0 | 0.0 | 3.0   | 9.4   |
| USA, California, San Francisco, Hispanic White (1993-2012)      | 10   | 2.6             | 1.0  | 4.3    | 25   | 5.1             | 1.2                            | 9.4    | 0.0 | 2.5 | 6.3   | 13.6  |
| USA, California, San Francisco, NH White (1993-2012)            | 10   | 1.6             | 0.3  | 2.9    | 56   | 6.7             | 1.9                            | 11.9   | 1.0 | 1.0 | 3.0   | 24.6  |
| USA, California, San Francisco, White (1993-2012)               | 20   | 1.9             | 0.6  | 3.4    | 81   | 6.1             | 1.6                            | 10.9   | 0.6 | 1.6 | 4.2   | 20.5  |
| USA, California, San José (1993-2012)                           | 19   | 1.8             | 1.5  | 2.1    | 94   | 6.6             | 2.9                            | 10.6   | 0.0 | 1.8 | 4.0   | 23.3  |
| USA, California, San José, API (1993-2012)                      | 4    | 1.7             | 0.0  | 3.4    | 27   | 9.1             | 3.3                            | 15.4   | 0.0 | 0.0 | 5.7   | 34.8  |
| USA, California, San José, Hispanic White (1993-2012)           | 6    | 1.5             | 1.0  | 2.1    | 31   | 6.0             | 3.0                            | 9.3    | 0.0 | 2.4 | 2.6   | 21.4  |
| USA, California, San José, NH White (1993-2012)                 | 9    | 2.3             | 3.0  | 1.6    | 32   | 6.1             | 2.7                            | 9.8    | 0.0 | 2.6 | 5.1   | 19.2  |
| USA, Colorado (1998-2012)                                       | 34   | 2.1             | 1.3  | 2.9    | 119  | 5.5             | 1.9                            | 9.4    | 0.0 | 1.2 | 5.8   | 17.3  |
| USA, Colorado, Hispanic White (1998-2012)                       | 6    | 1.6             | 1.0  | 2.1    | 24   | 5.0             | 1.6                            | 8.7    | 0.0 | 1.6 | 3.6   | 16.7  |
| USA, Colorado, NH White (1998-2012)                             | 23   | 2.2             | 1.3  | 3.0    | 82   | 5.7             | 2.0                            | 9.7    | 0.0 | 1.3 | 6.0   | 17.9  |
| USA, Connecticut (1993-2012)                                    | 29   | 1.9             | 1.4  | 2.4    | 146  | 7.2             | 3.8                            | 10.7   | 0.5 | 0.9 | 4.9   | 25.4  |
| USA, Connecticut, Black (1993-2012)                             | 1    | 0.4             | 0.9  | 0.0    | 5    | 1.7             | 2.0                            | 1.4    | 0.0 | 0.0 | 1.5   | 6.2   |
| USA, Connecticut, Hispanic White (1993-2012)                    | 2    | 1.0             | 0.0  | 2.1    | 7    | 2.8             | 0.7                            | 4.9    | 0.0 | 1.7 | 1.7   | 8.7   |
| USA, Connecticut, NH White (1993-2012)                          | 24   | 2.2             | 1.8  | 2.6    | 120  | 8.5             | 5.0                            | 12.1   | 0.7 | 0.9 | 5.7   | 29.9  |
| USA, Connecticut, White (1993-2012)                             | 26   | 2.0             | 1.6  | 2.6    | 127  | 7.6             | 4.3                            | 11.0   | 0.6 | 1.1 | 5.1   | 26.7  |
| USA, Delaware (1998-2012)                                       | 3    | 1.0             | 0.0  | 2.1    | 20   | 5.0             | 1.0                            | 9.2    | 0.0 | 0.0 | 3.5   | 18.8  |
| USA, Delaware, NH White (1998-2012)                             | 3    | 1.7             | 0.0  | 3.4    | 11   | 4.4             | 0.0                            | 9.0    | 0.0 | 0.0 | 5.7   | 14.0  |
| USA, District of Columbia (1998-2012)                           | 6    | 4.3             | 1.5  | 7.2    | 11   | 5.3             | 1.9                            | 8.6    | 2.0 | 6.8 | 4.6   | 8.7   |
| USA, Florida (1998-2012)  | 110  | 2.0             | 1.1  | 2.8    | 421  | 5.6             | 1.9                            | 9.5    | 0.0 | 0.9 | 5.7   | 18.3  |
| USA, Florida, Black (1998-2012)                                 | 10   | 0.8             | 0.3  | 1.3    | 37   | 2.2             | 0.8                            | 3.6    | 0.0 | 0.3 | 2.3   | 6.9   |
| USA, Florida, Hispanic White (1998-2012)                        | 39   | 3.3             | 1.7  | 5.0    | 120  | 7.5             | 2.0                            | 13.6   | 0.0 | 1.5 | 9.7   | 22.2  |
| USA, Florida, NH White (1998-2012)                              | 59   | 2.0             | 1.3  | 2.8    | 250  | 6.4             | 2.4                            | 10.5   | 0.0 | 1.0 | 5.8   | 21.4  |
| USA, Georgia (1998-2012)  | 59   | 1.8             | 0.7  | 3.0    | 214  | 5.0             | 1.8                            | 8.3    | 0.2 | 1.7 | 4.2   | 15.8  |
| USA, Georgia, Black (1998-2012)                                 | 14   | 1.2             | 0.7  | 1.7    | 34   | 2.2             | 1.0                            | 3.3    | 0.0 | 1.2 | 2.8   | 5.6   |
| USA, Georgia, Hispanic White (1998-2012)                        | 3    | 1.2             | 0.0  | 2.5    | 11   | 3.6             | 0.0                            | 8.3    | 0.9 | 0.0 | 3.0   | 11.8  |
| USA, Georgia, NH White (1998-2012)                              | 41   | 2.4             | 0.9  | 4.0    | 159  | 7.0             | 2.5                            | 11.7   | 0.2 | 2.4 | 5.4   | 22.7  |
| USA, Georgia, Atlanta (1993-2012)                               | 21   | 1.4             | 0.7  | 2.2    | 94   | 5.1             | 1.7                            | 8.8    | 0.0 | 0.5 | 4.5   | 17.8  |
| USA, Georgia, Atlanta, Black (1993-2012)                        | 5    | 0.8             | 0.9  | 0.6    | 18   | 2.2             | 0.9                            | 3.4    | 0.0 | 0.0 | 2.6   | 7.1   |
| USA, Georgia, Atlanta, Hispanic White (1993-2012)               | 2    | 1.7             | 0.0  | 3.6    | 12   | 7.7             | 2.2                            | 15.1   | 0.0 | 0.0 | 5.9   | 28.2  |
| USA, Georgia, Atlanta, NH White (1993-2012)                     | 13   | 2.2             | 0.7  | 3.8    | 57   | 7.7             | 2.1                            | 13.6   | 0.0 | 1.2 | 6.3   | 26.4  |
| USA, Georgia, Atlanta, White (1993-2012)                        | 15   | 2.1             | 0.6  | 3.7    | 69   | 7.7             | 2.1                            | 13.8   | 0.0 | 0.9 | 6.2   | 26.7  |
| USA, Georgia, Greater Georgia (2000-2012)                       | 40   | 2.2             | 0.8  | 3.7    | 124  | 5.1             | 2.0                            | 8.3    | 0.4 | 2.4 | 4.5   | 14.8  |
| USA, Georgia, Greater Georgia, Black (2000-2012)                | 9    | 1.6             | 0.7  | 2.5    | 18   | 2.4             | 1.3                            | 3.5    | 0.0 | 2.5 | 2.9   | 5.0   |
| USA, Georgia, Greater Georgia, NH White (2000-2012)             | 28   | 2.6             | 1.0  | 4.2    | 95   | 6.4             | 2.6                            | 10.5   | 0.3 | 2.8 | 5.3   | 19.7  |
| USA, Hawaii (1993-2012)   | 9    | 1.6             | 0.3  | 2.9    | 42   | 5.7             | 3.1                            | 8.5    | 0.0 | 0.6 | 4.8   | 20.0  |
| USA, Hawaii, API (1993-2012)                                    | 7    | 1.6             | 0.4  | 2.7    | 33   | 5.7             | 3.0                            | 8.6    | 0.0 | 0.8 | 4.5   | 20.1  |
| USA, Hawaii, Hawaiian (1993-2012)                               | 4    | 2.2             | 1.1  | 3.5    | 12   | 5.3             | 3.4                            | 7.4    | 0.0 | 1.9 | 5.7   | 16.0  |
| USA, Idaho (1998-2012)  | 14   | 2.5             | 1.1  | 4.0    | 62   | 8.3             | 2.1                            | 14.7   | 0.0 | 0.6 | 7.8   | 28.3  |
| USA, Idaho, NH White (1998-2012)                                | 14   | 3.0             | 1.3  | 4.8    | 56   | 8.9             | 2.2                            | 15.9   | 0.0 | 0.8 | 9.4   | 29.5  |
| USA, Illinois (1998-2012)                                       | 135  | 3.0             | 1.4  | 4.7    | 427  | 7.1             | 2.4                            | 12.1   | 0.2 | 1.7 | 8.2   | 21.4  |
| USA, Illinois, API (1998-2012)                                  | 5    | 2.8             | 0.0  | 5.7    | 19   | 7.9             | 2.4                            | 13.8   | 0.0 | 0.0 | 9.6   | 25.4  |
| USA, Illinois, Black (1998-2012)                                | 10   | 1.2             | 0.7  | 1.6    | 26   | 2.3             | 1.1                            | 3.5    | 0.0 | 1.2 | 2.6   | 6.2   |
| USA, Illinois, Hispanic White (1998-2012)                       | 27   | 3.4             | 1.5  | 5.5    | 67   | 6.7             | 2.3                            | 11.6   | 0.4 | 2.0 | 9.1   | 18.1  |
| USA, Illinois, NH White (1998-2012)                             | 92   | 3.5             | 1.6  | 5.4    | 310  | 8.7             | 2.8                            | 14.9   | 0.1 | 1.7 | 9.8   | 26.7  |
| USA, Indiana (1998-2012)  | 48   | 2.2             | 1.3  | 3.1    | 172  | 5.7             | 2.4                            | 9.2    | 0.3 | 1.7 | 5.2   | 17.9  |
| USA, Indiana, Black (1998-2012)                                 | 1    | 0.4             | 0.0  | 0.8    | 8    | 2.3             | 1.1                            | 3.6    | 0.0 | 1.2 | 0.0   | 9.0   |
| USA, Indiana, NH White (1998-2012)                              | 44   | 2.5             | 1.6  | 3.3    | 150  | 6.1             | 2.7                            | 9.7    | 0.2 | 1.9 | 6.1   | 18.7  |
| USA, Iowa (1993-2012)   | 33   | 2.4             | 0.6  | 4.2    | 121  | 6.3             | 1.6                            | 11.3   | 0.0 | 1.3 | 6.7   | 20.0  |
| USA, Iowa, NH White (1993-2012)                                 | 29   | 2.3             | 0.5  | 4.3    | 111  | 6.5             | 1.7                            | 11.5   | 0.0 | 1.4 | 6.4   | 20.7  |
| USA, Iowa, White (1993-2012)                                    | 30   | 2.3             | 0.5  | 4.2    | 115  | 6.4             | 1.6                            | 11.4   | 0.0 | 1.4 | 6.4   | 20.6  |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

## Xlb. Thyroid carcinomas

|   | 0-14 |                 |      | 0-19   |     |                 | Age-specific rates per million |        |     |     |       |       |
|---|------|-----------------|------|--------|-----|-----------------|--------------------------------|--------|-----|-----|-------|-------|
|   | N    | ASR per million |      |        | N   | ASR per million |                                |        | 0-4 | 5-9 | 10-14 | 15-19 |
|   |      | All             | Male | Female |     | All             | Male                           | Female |     |     |       |       |
| USA, Kentucky (1998-2012)                       | 33   | 2.3             | 1.0  | 3.8    | 138 | 7.2             | 2.0                            | 12.8   | 0.5 | 0.7 | 6.6   | 24.1  |
| USA, Kentucky, NH White (1998-2012)             | 31   | 2.5             | 1.1  | 4.0    | 128 | 7.8             | 2.2                            | 13.7   | 0.6 | 0.6 | 7.3   | 25.9  |
| USA, Louisiana (1998-2012)                      | 37   | 2.3             | 0.8  | 3.7    | 107 | 4.8             | 1.5                            | 8.2    | 0.2 | 1.1 | 6.3   | 13.7  |
| USA, Louisiana, Black (1998-2012)               | 3    | 0.4             | 0.0  | 0.9    | 14  | 1.6             | 0.2                            | 2.9    | 0.0 | 0.0 | 1.5   | 5.4   |
| USA, Louisiana, NH White (1998-2012)            | 29   | 3.2             | 1.5  | 5.0    | 81  | 6.7             | 2.4                            | 11.0   | 0.4 | 1.6 | 8.9   | 18.4  |
| USA, Maine (1998-2012)                          | 14   | 3.4             | 3.2  | 3.6    | 62  | 10.5            | 4.1                            | 17.4   | 1.0 | 1.7 | 8.5   | 35.2  |
| USA, Maine, NH White (1998-2012)                | 14   | 3.6             | 3.3  | 3.9    | 60  | 10.8            | 4.3                            | 17.8   | 1.0 | 1.8 | 9.0   | 35.8  |
| USA, Maryland (1998-2012)                       | 37   | 1.9             | 1.0  | 2.8    | 152 | 5.9             | 2.4                            | 9.7    | 0.2 | 1.6 | 4.6   | 19.8  |
| USA, Maryland, Black (1998-2012)                | 2    | 0.3             | 0.3  | 0.3    | 18  | 2.0             | 0.7                            | 3.4    | 0.0 | 0.0 | 1.0   | 8.0   |
| USA, Maryland, NH White (1998-2012)             | 32   | 3.1             | 1.8  | 4.5    | 110 | 8.0             | 3.3                            | 12.9   | 0.4 | 2.7 | 7.2   | 24.8  |
| USA, Massachusetts (1998-2012)                  | 48   | 2.3             | 1.1  | 3.5    | 221 | 7.6             | 3.3                            | 12.0   | 0.2 | 1.0 | 6.5   | 25.8  |
| USA, Massachusetts, Black (1998-2012)           | 2    | 1.1             | 0.0  | 2.2    | 7   | 2.5             | 0.0                            | 5.1    | 1.6 | 0.0 | 1.6   | 7.5   |
| USA, Massachusetts, Hispanic White (1998-2012)  | 3    | 1.5             | 1.9  | 1.0    | 19  | 6.9             | 4.3                            | 9.7    | 0.0 | 0.0 | 5.0   | 25.7  |
| USA, Massachusetts, NH White (1998-2012)        | 41   | 2.6             | 1.3  | 4.0    | 178 | 8.2             | 3.4                            | 13.1   | 0.0 | 1.4 | 7.4   | 27.4  |
| USA, Michigan (1998-2012)                       | 85   | 2.4             | 1.3  | 3.5    | 289 | 6.0             | 2.0                            | 10.2   | 0.5 | 1.0 | 6.4   | 18.5  |
| USA, Michigan, Black (1998-2012)                | 3    | 0.5             | 0.6  | 0.3    | 13  | 1.5             | 0.7                            | 2.4    | 0.0 | 1.0 | 0.5   | 5.1   |
| USA, Michigan, Hispanic White (1998-2012)       | 4    | 2.3             | 1.1  | 3.6    | 10  | 4.6             | 1.8                            | 7.7    | 0.0 | 1.8 | 6.0   | 12.5  |
| USA, Michigan, NH White (1998-2012)             | 73   | 2.8             | 1.4  | 4.3    | 245 | 6.9             | 2.2                            | 11.8   | 0.6 | 1.0 | 7.8   | 20.9  |
| USA, Michigan, Detroit (1993-2012)              | 38   | 2.0             | 0.9  | 3.0    | 131 | 5.4             | 1.9                            | 9.0    | 0.0 | 1.6 | 5.0   | 17.2  |
| USA, Michigan, Detroit, Black (1993-2012)       | 4    | 0.7             | 0.7  | 0.7    | 12  | 1.6             | 0.8                            | 2.4    | 0.0 | 1.1 | 1.1   | 4.8   |
| USA, Michigan, Detroit, NH White (1993-2012)    | 31   | 2.6             | 1.0  | 4.3    | 103 | 6.8             | 2.2                            | 11.8   | 0.0 | 1.7 | 7.0   | 21.5  |
| USA, Michigan, Detroit, White (1993-2012)       | 34   | 2.7             | 1.1  | 4.4    | 111 | 7.0             | 2.3                            | 11.9   | 0.0 | 1.9 | 7.1   | 21.7  |
| USA, Minnesota (1998-2012)                      | 42   | 2.4             | 1.4  | 3.3    | 147 | 6.0             | 2.9                            | 9.3    | 0.8 | 1.0 | 6.0   | 18.6  |
| USA, Minnesota, NH White (1998-2012)            | 32   | 2.2             | 1.4  | 3.1    | 102 | 5.1             | 2.5                            | 7.9    | 0.8 | 0.7 | 5.8   | 15.1  |
| USA, Mississippi (2002-2012)                    | 9    | 1.2             | 0.2  | 2.1    | 48  | 4.5             | 1.3                            | 7.8    | 0.4 | 0.0 | 3.4   | 15.9  |
| USA, Mississippi, Black (2002-2012)             | 3    | 0.8             | 0.5  | 1.1    | 16  | 3.3             | 1.2                            | 5.3    | 0.0 | 0.0 | 2.8   | 11.7  |
| USA, Mississippi, NH White (2002-2012)          | 6    | 1.5             | 0.0  | 3.2    | 31  | 5.7             | 1.0                            | 10.6   | 0.9 | 0.0 | 4.2   | 19.9  |
| USA, Missouri (1996-2012)                       | 49   | 2.2             | 1.5  | 3.0    | 168 | 5.5             | 2.4                            | 8.8    | 0.8 | 1.7 | 4.8   | 16.8  |
| USA, Missouri, Black (1996-2012)                | 6    | 1.7             | 1.7  | 1.7    | 9   | 1.9             | 1.3                            | 2.6    | 0.0 | 1.0 | 4.7   | 2.8   |
| USA, Missouri, NH White (1996-2012)             | 33   | 2.0             | 1.4  | 2.6    | 121 | 5.0             | 2.2                            | 8.0    | 1.0 | 1.7 | 3.5   | 15.6  |
| USA, Montana (1998-2012)                        | 8    | 2.4             | 1.2  | 3.8    | 45  | 9.8             | 3.8                            | 16.3   | 0.0 | 1.1 | 7.2   | 35.2  |
| USA, Montana, NH White (1998-2012)              | 7    | 2.5             | 0.7  | 4.5    | 37  | 9.4             | 3.4                            | 15.9   | 0.0 | 1.3 | 7.2   | 33.3  |
| USA, Nebraska (1998-2012)                       | 18   | 2.8             | 1.5  | 4.2    | 67  | 7.7             | 3.0                            | 12.8   | 0.0 | 2.2 | 7.4   | 24.6  |
| USA, Nebraska, NH White (1998-2012)             | 17   | 3.3             | 1.9  | 4.8    | 60  | 8.5             | 3.1                            | 14.1   | 0.0 | 2.1 | 9.2   | 26.2  |
| USA, Nevada (1998-2012)                         | 11   | 1.3             | 0.7  | 2.0    | 76  | 7.3             | 2.1                            | 13.0   | 0.0 | 1.6 | 2.8   | 28.0  |
| USA, Nevada, Hispanic White (1998-2012)         | 5    | 2.0             | 1.6  | 2.4    | 31  | 10.3            | 3.8                            | 17.5   | 0.0 | 2.5 | 4.0   | 38.9  |
| USA, Nevada, NH White (1998-2012)               | 4    | 1.0             | 0.5  | 1.5    | 36  | 6.9             | 1.5                            | 12.6   | 0.0 | 0.9 | 2.4   | 27.2  |
| USA, New Hampshire (1998-2012)                  | 8    | 2.1             | 1.9  | 2.3    | 40  | 6.8             | 5.9                            | 7.7    | 1.8 | 1.6 | 3.0   | 23.1  |
| USA, New Hampshire, NH White (1998-2012)        | 7    | 1.9             | 1.3  | 2.5    | 37  | 6.7             | 5.5                            | 7.9    | 1.0 | 1.8 | 3.2   | 23.2  |
| USA, New Jersey (1998-2012)                     | 79   | 2.6             | 1.5  | 3.9    | 300 | 7.9             | 3.5                            | 12.5   | 0.2 | 1.2 | 7.5   | 25.8  |
| USA, New Jersey, API (1998-2012)                | 5    | 2.2             | 0.0  | 4.5    | 15  | 5.4             | 1.4                            | 9.6    | 0.0 | 0.0 | 7.5   | 16.6  |
| USA, New Jersey, Black (1998-2012)              | 4    | 0.7             | 0.8  | 0.7    | 13  | 1.8             | 0.9                            | 2.8    | 0.0 | 0.7 | 1.8   | 5.6   |
| USA, New Jersey, Hispanic White (1998-2012)     | 7    | 1.5             | 1.3  | 1.8    | 28  | 4.6             | 2.5                            | 6.8    | 0.0 | 0.0 | 5.2   | 15.1  |
| USA, New Jersey, NH White (1998-2012)           | 58   | 3.3             | 1.8  | 4.9    | 230 | 10.5            | 4.5                            | 16.8   | 0.4 | 1.6 | 9.1   | 35.1  |
| USA, New Mexico (1993-2012)                     | 20   | 2.1             | 1.4  | 2.7    | 85  | 6.7             | 2.6                            | 10.9   | 0.0 | 1.1 | 5.9   | 22.5  |
| USA, New Mexico, Hispanic White (1993-2012)     | 10   | 2.1             | 1.3  | 2.9    | 36  | 5.8             | 1.9                            | 9.8    | 0.0 | 0.7 | 6.4   | 18.6  |
| USA, New Mexico, NH White (1993-2012)           | 7    | 2.2             | 1.9  | 2.5    | 40  | 9.2             | 4.1                            | 14.7   | 0.0 | 1.1 | 6.2   | 33.2  |
| USA, New Mexico, White (1993-2012)              | 17   | 2.1             | 1.5  | 2.8    | 76  | 7.2             | 2.8                            | 11.8   | 0.0 | 0.9 | 6.3   | 24.7  |
| USA, New York State (1998-2012)                 | 163  | 2.5             | 1.2  | 3.9    | 641 | 7.3             | 2.6                            | 12.4   | 0.1 | 1.5 | 7.0   | 23.9  |
| USA, New York State, API (1998-2012)            | 13   | 3.1             | 1.4  | 4.9    | 46  | 7.9             | 2.7                            | 13.3   | 0.0 | 1.6 | 8.9   | 24.3  |
| USA, New York State, Black (1998-2012)          | 14   | 1.0             | 0.2  | 1.9    | 50  | 2.6             | 0.7                            | 4.6    | 0.0 | 1.0 | 2.3   | 8.3   |
| USA, New York State, Hispanic White (1998-2012) | 22   | 2.3             | 0.8  | 3.8    | 88  | 6.7             | 2.2                            | 11.6   | 0.0 | 1.7 | 5.9   | 22.1  |
| USA, New York State, NH White (1998-2012)       | 104  | 2.9             | 1.6  | 4.3    | 427 | 8.8             | 3.3                            | 14.7   | 0.1 | 1.4 | 8.3   | 29.1  |
| USA, New York State, White (1998-2012)          | 126  | 2.8             | 1.4  | 4.2    | 515 | 8.4             | 3.0                            | 14.0   | 0.1 | 1.5 | 7.8   | 27.6  |
| USA, North Carolina (1998-2012)                 | 61   | 2.0             | 0.8  | 3.4    | 210 | 5.3             | 1.8                            | 9.0    | 0.1 | 1.2 | 5.5   | 16.4  |
| USA, North Carolina, Black (1998-2012)          | 10   | 1.2             | 0.2  | 2.2    | 26  | 2.4             | 0.7                            | 4.0    | 0.0 | 0.4 | 3.6   | 6.4   |
| USA, North Carolina, Hispanic White (1998-2012) | 5    | 2.3             | 0.0  | 4.7    | 10  | 3.6             | 0.7                            | 7.0    | 0.0 | 2.6 | 4.9   | 8.2   |
| USA, North Carolina, NH White (1998-2012)       | 41   | 2.3             | 1.1  | 3.5    | 160 | 6.6             | 2.2                            | 11.1   | 0.2 | 1.5 | 5.8   | 21.4  |
| USA, North Dakota (1998-2012)                   | 1    | 0.4             | 0.0  | 0.9    | 16  | 4.7             | 1.1                            | 8.6    | 0.0 | 0.0 | 1.5   | 19.5  |
| USA, North Dakota, NH White (1998-2012)         | 1    | 0.5             | 0.0  | 1.1    | 16  | 5.4             | 1.3                            | 9.8    | 0.0 | 0.0 | 1.8   | 22.1  |
| USA, Ohio (1998-2012)                           | 76   | 1.9             | 0.7  | 3.2    | 290 | 5.4             | 1.9                            | 9.1    | 0.4 | 0.9 | 5.1   | 17.4  |
| USA, Ohio, Black (1998-2012)                    | 6    | 0.9             | 0.0  | 1.8    | 26  | 3.1             | 0.9                            | 5.3    | 0.0 | 0.0 | 3.1   | 10.6  |
| USA, Ohio, NH White (1998-2012)                 | 67   | 2.1             | 0.8  | 3.6    | 248 | 5.8             | 2.1                            | 9.6    | 0.5 | 1.0 | 5.6   | 18.3  |
| USA, Oklahoma (1998-2012)                       | 19   | 1.5             | 1.0  | 2.1    | 61  | 3.5             | 1.2                            | 6.1    | 0.0 | 1.1 | 4.0   | 10.6  |
| USA, Oklahoma, Native American (1998-2012)      | 1    | 0.6             | 0.0  | 1.1    | 7   | 3.1             | 0.0                            | 6.3    | 0.0 | 0.0 | 1.9   | 11.7  |
| USA, Oklahoma, NH White (1998-2012)             | 16   | 1.9             | 1.2  | 2.7    | 49  | 4.3             | 1.6                            | 7.2    | 0.0 | 1.3 | 5.3   | 12.4  |
| USA, Oregon (1998-2012)                         | 38   | 3.2             | 2.0  | 4.5    | 109 | 6.7             | 3.2                            | 10.5   | 0.3 | 3.2 | 7.1   | 18.9  |
| USA, Oregon, Hispanic White (1998-2012)         | 9    | 5.2             | 1.1  | 9.6    | 23  | 11.0            | 1.8                            | 21.2   | 0.0 | 5.3 | 12.1  | 30.7  |
| USA, Oregon, NH White (1998-2012)               | 27   | 3.0             | 2.4  | 3.6    | 77  | 6.2             | 3.4                            | 9.1    | 0.0 | 3.1 | 6.8   | 17.2  |
| USA, Pennsylvania (1998-2012)                   | 104  | 2.5             | 1.4  | 3.6    | 466 | 8.1             | 3.1                            | 13.3   | 0.3 | 1.2 | 6.9   | 27.3  |
| USA, Pennsylvania, Black (1998-2012)            | 7    | 1.1             | 1.0  | 1.3    | 25  | 3.0             | 1.7                            | 4.4    | 0.0 | 1.1 | 2.7   | 9.5   |
| USA, Pennsylvania, Hispanic White (1998-2012)   | -    | 0.0             | 0.0  | 0.0    | 7   | 2.4             | 0.7                            | 4.3    | 0.0 | 0.0 | 0.0   | 10.7  |
| USA, Pennsylvania, NH White (1998-2012)         | 95   | 3.0             | 1.7  | 4.3    | 409 | 9.1             | 3.5                            | 15.1   | 0.2 | 1.4 | 8.4   | 30.4  |
| USA, Rhode Island (1998-2012)                   | 14   | 4.2             | 4.4  | 4.0    | 45  | 9.2             | 5.7                            | 12.8   | 1.1 | 3.1 | 9.7   | 26.3  |
| USA, Rhode Island, NH White (1998-2012)         | 12   | 4.8             | 4.1  | 5.6    | 41  | 11.2            | 6.2                            | 16.3   | 0.0 | 2.9 | 13.4  | 33.4  |
| USA, South Carolina (1998-2012)                 | 20   | 1.3             | 0.9  | 1.8    | 77  | 3.8             | 1.7                            | 6.0    | 0.0 | 0.9 | 3.6   | 12.2  |
| USA, South Carolina, Black (1998-2012)          | 4    | 0.7             | 0.0  | 1.5    | 10  | 1.4             | 0.3                            | 2.5    | 0.0 | 0.0 | 2.5   | 3.5   |
| USA, South Carolina, NH White (1998-2012)       | 15   | 1.7             | 1.6  | 1.9    | 63  | 5.3             | 2.5                            | 8.3    | 0.0 | 1.6 | 4.2   | 17.6  |
| USA, South Dakota (2001-2012)                   | 4    | 1.7             | 1.7  | 1.8    | 14  | 4.5             | 1.9                            | 7.2    | 0.0 | 0.0 | 6.0   | 13.9  |
| USA, South Dakota, NH White (2001-2012)         | 4    | 2.2             | 2.1  | 2.3    | 13  | 5.1             | 1.6                            | 8.8    | 0.0 | 0.0 | 7.5   | 15.3  |
| USA, Tennessee (1999-2012)                      | 41   | 2.1             | 1.2  | 3.1    | 133 | 5.2             | 2.1                            | 8.4    | 0.2 | 0.4 | 6.6   | 15.8  |
| USA, Tennessee, Black (1999-2012)               | 8    | 1.9             | 1.9  | 1.8    | 14  | 2.5             | 1.4                            | 3.6    | 0.0 | 0.8 | 5.5   | 4.7   |
| USA, Tennessee, NH White (1999-2012)            | 29   | 2.1             | 0.9  | 3.2    | 113 | 6.1             | 2.3                            | 10.1   | 0.3 | 0.3 | 6.5   | 19.9  |
| USA, Texas (1998-2012)                          | 159  | 1.8             | 1.1  | 2.6    | 652 | 5.6             | 2.2                            | 9.3    | 0.3 | 1.2 | 4.5   | 18.7  |
| USA, Texas, API (1998-2012)                     | 4    | 1.4             | 1.3  | 1.4    | 18  | 4.6             | 1.5                            | 8.0    | 1.0 | 0.0 | 3.4   | 16.0  |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

## Xlb. Thyroid carcinomas

|  | 0-14 |                 |      | 0-19   |      |                 | Age-specific rates per million |        |     |     |       |       |
|--|------|-----------------|------|--------|------|-----------------|--------------------------------|--------|-----|-----|-------|-------|
|  | N    | ASR per million |      |        | N    | ASR per million |                                |        | 0-4 | 5-9 | 10-14 | 15-19 |
|  |      | All             | Male | Female |      | All             | Male                           | Female |     |     |       |       |
| USA, Texas, Black (1998-2012)                        | 8    | 0.7             | 0.5  | 0.8    | 24   | 1.5             | 0.7                            | 2.3    | 0.0 | 0.8 | 1.4   | 4.4   |
| USA, Texas, Hispanic White (1998-2012)               | 70   | 1.9             | 1.2  | 2.6    | 259  | 5.5             | 2.1                            | 9.2    | 0.2 | 1.5 | 4.7   | 18.0  |
| USA, Texas, NH White (1998-2012)                     | 72   | 2.1             | 1.1  | 3.1    | 331  | 6.9             | 2.7                            | 11.4   | 0.5 | 1.0 | 5.3   | 23.6  |
| USA, Utah (1993-2012)                                | 24   | 1.7             | 0.4  | 3.1    | 122  | 6.5             | 1.8                            | 11.3   | 0.2 | 0.5 | 5.1   | 23.0  |
| USA, Utah, Hispanic White (1993-2012)                | 5    | 3.3             | 2.6  | 4.1    | 17   | 8.9             | 3.0                            | 15.5   | 0.0 | 2.0 | 9.2   | 28.3  |
| USA, Utah, NH White (1993-2012)                      | 18   | 1.6             | 0.2  | 3.0    | 100  | 6.4             | 1.8                            | 11.0   | 0.3 | 0.3 | 4.7   | 23.0  |
| USA, Utah, White (1993-2012)                         | 23   | 1.8             | 0.5  | 3.1    | 117  | 6.7             | 1.9                            | 11.5   | 0.2 | 0.5 | 5.2   | 23.5  |
| USA, Vermont (1998-2012)                             | 4    | 2.3             | 3.6  | 1.0    | 23   | 7.8             | 4.6                            | 11.2   | 2.0 | 1.8 | 3.2   | 26.8  |
| USA, Vermont, NH White (1998-2012)                   | 4    | 2.4             | 3.8  | 1.0    | 22   | 7.9             | 4.9                            | 11.2   | 2.2 | 1.9 | 3.4   | 26.9  |
| USA, Virginia (1998-2012)                            | 41   | 1.6             | 1.1  | 2.1    | 185  | 5.4             | 2.2                            | 8.7    | 0.1 | 0.7 | 4.6   | 18.3  |
| USA, Virginia, Black (1998-2012)                     | 4    | 0.7             | 0.7  | 0.6    | 16   | 1.9             | 1.5                            | 2.3    | 0.6 | 0.0 | 1.6   | 6.1   |
| USA, Virginia, Hispanic White (1998-2012)            | 2    | 1.2             | 1.2  | 1.3    | 12   | 5.5             | 1.8                            | 9.8    | 0.0 | 0.0 | 4.2   | 20.2  |
| USA, Virginia, NH White (1998-2012)                  | 33   | 2.0             | 1.3  | 2.8    | 143  | 6.5             | 2.4                            | 10.9   | 0.0 | 0.9 | 6.0   | 22.1  |
| USA, Washington State (1998-2012)                    | 39   | 1.8             | 1.4  | 2.2    | 198  | 6.7             | 2.7                            | 11.1   | 0.2 | 1.0 | 4.9   | 23.8  |
| USA, Washington State, Hispanic White (1998-2012)    | 6    | 2.2             | 1.4  | 3.0    | 20   | 5.9             | 1.1                            | 11.2   | 0.0 | 1.1 | 6.3   | 18.7  |
| USA, Washington State, NH White (1998-2012)          | 26   | 1.7             | 1.1  | 2.2    | 145  | 6.8             | 3.0                            | 10.9   | 0.0 | 1.2 | 4.5   | 24.7  |
| USA, Washington, Seattle (1993-2012)                 | 28   | 1.5             | 1.2  | 1.7    | 161  | 6.5             | 2.5                            | 10.7   | 0.0 | 0.7 | 4.3   | 23.9  |
| USA, Washington, Seattle, API (1993-2012)            | 2    | 1.1             | 0.0  | 2.1    | 19   | 7.4             | 0.8                            | 14.2   | 0.0 | 0.0 | 3.6   | 29.3  |
| USA, Washington, Seattle, Hispanic White (1993-2012) | 4    | 2.8             | 2.8  | 2.8    | 17   | 9.7             | 3.2                            | 16.9   | 0.0 | 2.1 | 7.3   | 33.2  |
| USA, Washington, Seattle, NH White (1993-2012)       | 21   | 1.5             | 1.3  | 1.8    | 120  | 6.6             | 2.8                            | 10.7   | 0.0 | 0.8 | 4.4   | 24.3  |
| USA, Washington, Seattle, White (1993-2012)          | 25   | 1.6             | 1.4  | 1.9    | 137  | 6.9             | 2.8                            | 11.2   | 0.0 | 0.9 | 4.6   | 25.0  |
| USA, West Virginia (1998-2012)                       | 11   | 2.1             | 1.3  | 2.9    | 54   | 6.9             | 2.9                            | 11.1   | 1.3 | 0.6 | 4.7   | 23.6  |
| USA, West Virginia, NH White (1998-2012)             | 11   | 2.2             | 1.4  | 3.1    | 53   | 7.3             | 3.2                            | 11.6   | 1.4 | 0.7 | 5.0   | 24.7  |
| USA, Wisconsin (1998-2012)                           | 35   | 1.9             | 1.1  | 2.8    | 183  | 6.9             | 2.8                            | 11.3   | 0.6 | 2.0 | 3.6   | 24.2  |
| USA, Wisconsin, NH White (1998-2012)                 | 30   | 2.1             | 1.0  | 3.3    | 163  | 7.6             | 3.0                            | 12.5   | 0.8 | 2.3 | 3.6   | 26.7  |
| USA, Wyoming (1998-2012)                             | 5    | 2.8             | 1.2  | 4.6    | 15   | 6.0             | 1.7                            | 10.6   | 0.0 | 3.9 | 5.5   | 16.8  |
| <b>ASIA</b>  |      |                 |      |        |      |                 |                                |        |     |     |       |       |
| BAHRAIN (1998-2012)                                  | -    | 0.0             | 0.0  | 0.0    | 9    | 2.2             | 0.0                            | 4.5    | 0.0 | 0.0 | 0.0   | 9.8   |
| CHINA, 6 registries (1990-2013)                      | 146  | 2.1             | 1.2  | 3.1    | 555  | 4.9             | 2.2                            | 7.7    | 0.2 | 1.4 | 5.4   | 14.5  |
| CHINA, Beijing (2000-2013)                           | 42   | 2.0             | 1.0  | 3.0    | 141  | 3.7             | 1.7                            | 5.8    | 0.0 | 1.1 | 5.6   | 9.6   |
| CHINA, Dalian (2003-2012)                            | 6    | 2.4             | 1.5  | 3.4    | 22   | 5.1             | 1.9                            | 8.5    | 0.0 | 1.5 | 6.5   | 14.5  |
| CHINA, Guangzhou (2010-2012)                         | 14   | 3.6             | 0.9  | 6.9    | 57   | 8.7             | 2.8                            | 15.3   | 0.0 | 4.0 | 8.1   | 26.1  |
| CHINA, Hong Kong (1990-2013)                         | 65   | 2.1             | 1.2  | 3.1    | 215  | 4.9             | 2.1                            | 7.8    | 0.4 | 1.4 | 5.2   | 14.4  |
| CHINA, Shanghai (2002-2012)                          | 13   | 1.9             | 2.2  | 1.6    | 93   | 6.4             | 3.5                            | 9.3    | 0.0 | 1.8 | 4.5   | 21.8  |
| CHINA, Zhongshan (2003-2012)                         | 6    | 1.2             | 0.4  | 2.1    | 27   | 5.2             | 3.5                            | 7.1    | 0.0 | 0.0 | 4.2   | 18.9  |
| INDIA, 7 registries (1990-2013)                      | 101  | 0.5             | 0.4  | 0.7    | 369  | 1.4             | 0.8                            | 2.1    | 0.2 | 0.4 | 1.0   | 4.2   |
| INDIA, Bangalore (1993-2011)                         | 28   | 0.8             | 0.8  | 0.8    | 57   | 1.2             | 0.9                            | 1.5    | 0.1 | 0.6 | 2.0   | 2.6   |
| INDIA, Chennai (1993-2013)                           | 5    | 0.2             | 0.1  | 0.2    | 26   | 0.7             | 0.3                            | 1.2    | 0.0 | 0.0 | 0.6   | 2.5   |
| INDIA, Kollam (2006-2012)                            | 6    | 1.2             | 0.4  | 2.0    | 38   | 6.0             | 1.9                            | 10.3   | 0.0 | 0.0 | 4.0   | 22.9  |
| INDIA, Mumbai (1993-2012)                            | 34   | 0.5             | 0.4  | 0.7    | 98   | 1.0             | 0.6                            | 1.5    | 0.6 | 0.3 | 0.7   | 2.6   |
| INDIA, Nagpur (1990-2012)                            | 3    | 0.2             | 0.0  | 0.4    | 15   | 0.7             | 0.2                            | 1.3    | 0.0 | 0.2 | 0.4   | 2.5   |
| INDIA, New Delhi (2003-2010)                         | 23   | 0.5             | 0.4  | 0.7    | 104  | 1.8             | 1.0                            | 2.8    | 0.0 | 0.7 | 1.0   | 6.3   |
| INDIA, Trivandrum (2005-2012)                        | 2    | 0.9             | 0.0  | 1.8    | 31   | 9.7             | 6.0                            | 13.7   | 0.0 | 1.6 | 1.3   | 40.1  |
| IRAN, Golestan (2004-2011)                           | 2    | 0.5             | 0.4  | 0.6    | 10   | 1.5             | 0.6                            | 2.4    | 0.0 | 0.9 | 0.7   | 4.7   |
| ISRAEL (1990-2012)                                   | 80   | 1.8             | 1.1  | 2.6    | 323  | 5.9             | 2.7                            | 9.2    | 0.1 | 0.7 | 5.4   | 19.9  |
| ISRAEL, Jews (1990-2012)                             | 66   | 2.0             | 1.3  | 2.8    | 266  | 6.4             | 3.1                            | 9.9    | 0.0 | 1.0 | 5.9   | 21.6  |
| ISRAEL, Non-Jews (1990-2012)                         | 14   | 1.2             | 0.7  | 1.8    | 57   | 4.2             | 1.6                            | 7.0    | 0.2 | 0.0 | 3.9   | 14.6  |
| JAPAN, 8 registries (1990-2013)                      | 65   | 0.9             | 0.6  | 1.3    | 246  | 2.4             | 1.2                            | 3.6    | 0.1 | 0.5 | 2.5   | 7.5   |
| JAPAN, Aichi (2008-2012)                             | 4    | 0.7             | 0.3  | 1.0    | 11   | 1.4             | 1.0                            | 1.8    | 0.0 | 0.6 | 1.6   | 3.8   |
| JAPAN, Hiroshima (1990-2012)                         | 5    | 1.0             | 0.8  | 1.3    | 27   | 3.8             | 1.7                            | 6.1    | 0.0 | 0.0 | 3.5   | 13.5  |
| JAPAN, Miyagi (1990-2010)                            | 9    | 1.0             | 0.5  | 1.5    | 38   | 2.7             | 1.1                            | 4.4    | 0.0 | 0.4 | 2.9   | 8.9   |
| JAPAN, Nagasaki (1993-2012)                          | 9    | 1.5             | 1.0  | 2.1    | 28   | 3.5             | 1.7                            | 5.4    | 0.0 | 0.7 | 4.6   | 10.4  |
| JAPAN, Niigata (2003-2012)                           | 3    | 0.8             | 0.5  | 1.0    | 15   | 2.9             | 2.3                            | 3.5    | 0.0 | 0.0 | 2.6   | 10.2  |
| JAPAN, Osaka (1990-2012)                             | 29   | 0.9             | 0.6  | 1.2    | 106  | 2.1             | 1.0                            | 3.3    | 0.1 | 0.7 | 2.1   | 6.4   |
| JAPAN, Tochigi (2005-2012)                           | 1    | 0.4             | 0.0  | 0.8    | 8    | 2.3             | 1.7                            | 3.0    | 0.0 | 0.0 | 1.3   | 9.0   |
| JAPAN, Yamagata (1990-2013)                          | 5    | 0.9             | 0.7  | 1.2    | 13   | 1.8             | 1.4                            | 2.3    | 0.0 | 0.7 | 2.5   | 5.0   |
| JORDAN (2000-2012)                                   | 36   | 1.2             | 0.9  | 1.6    | 110  | 3.0             | 1.2                            | 5.0    | 0.3 | 0.5 | 3.2   | 9.3   |
| REPUBLIC OF KOREA (1999-2012)                        | 337  | 2.2             | 0.9  | 3.6    | 1719 | 8.1             | 2.8                            | 14.0   | 0.0 | 1.2 | 6.1   | 28.7  |
| REPUBLIC OF KOREA, Busan (1999-2012)                 | 22   | 2.1             | 0.9  | 3.4    | 134  | 8.3             | 2.9                            | 14.5   | 0.0 | 1.1 | 5.9   | 30.0  |
| REPUBLIC OF KOREA, Daegu (1999-2012)                 | 24   | 3.0             | 1.4  | 5.0    | 119  | 10.4            | 3.7                            | 18.5   | 0.6 | 2.3 | 7.2   | 35.8  |
| REPUBLIC OF KOREA, Daejeon (1999-2012)               | 6    | 1.2             | 0.8  | 1.6    | 46   | 6.8             | 1.5                            | 12.7   | 0.0 | 0.7 | 3.3   | 26.0  |
| REPUBLIC OF KOREA, Gwangju (1997-2012)               | 10   | 1.7             | 0.7  | 2.8    | 79   | 9.9             | 3.6                            | 16.6   | 0.0 | 1.2 | 4.5   | 38.0  |
| REPUBLIC OF KOREA, Incheon (1998-2012)               | 24   | 2.5             | 0.6  | 4.6    | 84   | 6.6             | 2.1                            | 11.4   | 0.0 | 1.5 | 7.0   | 20.6  |
| REPUBLIC OF KOREA, Jeju (2000-2012)                  | 4    | 2.3             | 2.2  | 2.3    | 25   | 11.2            | 1.7                            | 21.5   | 0.0 | 1.9 | 5.7   | 42.0  |
| REPUBLIC OF KOREA, Seoul (1995-2012)                 | 77   | 2.0             | 0.8  | 3.4    | 408  | 7.1             | 2.6                            | 12.1   | 0.1 | 1.2 | 5.4   | 24.8  |
| REPUBLIC OF KOREA, Ulsan (2001-2012)                 | 9    | 2.6             | 0.5  | 5.0    | 42   | 9.4             | 2.9                            | 17.1   | 0.0 | 1.1 | 7.7   | 32.9  |
| KUWAIT (1994-2012)                                   | 12   | 1.0             | 1.1  | 0.8    | 15   | 1.0             | 0.9                            | 1.1    | 0.9 | 1.0 | 1.1   | 0.9   |
| KUWAIT, Kuwaitis (1994-2012)                         | 9    | 1.3             | 1.6  | 0.9    | 10   | 1.1             | 1.3                            | 0.9    | 1.1 | 1.3 | 1.4   | 0.5   |
| KUWAIT, Non-Kuwaitis (1994-2012)                     | 3    | 0.6             | 0.4  | 0.8    | 5    | 0.8             | 0.3                            | 1.3    | 0.5 | 0.6 | 0.7   | 1.5   |
| LEBANON (2008-2010)                                  | 6    | 1.4             | 1.3  | 1.4    | 22   | 4.0             | 2.4                            | 5.6    | 0.0 | 0.8 | 3.8   | 12.9  |
| PAKISTAN, Karachi (1995-2002)                        | 3    | 0.5             | 0.6  | 0.4    | 18   | 2.7             | 1.7                            | 4.0    | 0.0 | 0.0 | 1.7   | 10.4  |
| PAKISTAN, Lahore (2008-2012)                         | 5    | 0.2             | 0.1  | 0.4    | 13   | 0.5             | 0.3                            | 0.7    | 0.0 | 0.0 | 0.8   | 1.5   |
| PHILIPPINES, 2 registries (1993-2012)                | 65   | 0.8             | 0.4  | 1.3    | 281  | 2.7             | 1.2                            | 4.1    | 0.1 | 0.4 | 2.3   | 9.0   |
| PHILIPPINES, Manila (1993-2012)                      | 42   | 1.2             | 0.5  | 1.8    | 152  | 3.1             | 1.4                            | 4.6    | 0.2 | 0.5 | 3.2   | 9.6   |
| PHILIPPINES, Rizal (1993-2012)                       | 23   | 0.5             | 0.2  | 0.9    | 129  | 2.3             | 0.9                            | 3.7    | 0.0 | 0.3 | 1.5   | 8.5   |
| QATAR (2002-2014)                                    | 2    | 0.7             | 0.0  | 1.4    | 11   | 3.1             | 0.0                            | 7.4    | 0.9 | 0.0 | 1.2   | 11.3  |
| SAUDI ARABIA, Riyadh (1994-2012)                     | 37   | 1.1             | 0.4  | 1.7    | 171  | 4.3             | 1.4                            | 7.3    | 0.0 | 0.7 | 2.8   | 15.4  |
| SAUDI ARABIA, Riyadh, Non-Saudis (1994-2012)         | 6    | 1.1             | 1.4  | 0.7    | 22   | 3.8             | 2.1                            | 5.6    | 0.0 | 0.5 | 3.1   | 13.1  |
| SAUDI ARABIA, Riyadh, Saudis (1994-2012)             | 31   | 1.1             | 0.2  | 1.9    | 149  | 4.4             | 1.3                            | 7.5    | 0.0 | 0.7 | 2.8   | 15.8  |
| THAILAND, 6 registries (1993-2013)                   | 74   | 1.6             | 1.2  | 2.1    | 218  | 3.3             | 1.4                            | 5.1    | 0.5 | 0.9 | 4.0   | 8.9   |
| THAILAND, Bangkok (2001-2012)                        | 25   | 1.8             | 2.1  | 1.5    | 68   | 3.0             | 2.2                            | 3.7    | 1.4 | 1.3 | 2.8   | 7.1   |
| THAILAND, Chiang Mai (1993-2012)                     | 7    | 1.0             | 0.3  | 1.8    | 25   | 2.5             | 0.4                            | 4.7    | 0.0 | 0.5 | 2.8   | 7.7   |
| THAILAND, Chonburi (1998-2012)                       | 4    | 0.9             | 0.4  | 1.5    | 18   | 3.2             | 0.3                            | 6.1    | 0.0 | 0.8 | 2.4   | 10.8  |
| THAILAND, Khon Kaen (1993-2012)                      | 11   | 1.2             | 0.5  | 2.1    | 29   | 2.4             | 0.8                            | 4.0    | 0.0 | 1.2 | 3.0   | 6.2   |
| THAILAND, Lampang (1993-2013)                        | 7    | 1.8             | 2.1  | 1.6    | 22   | 4.3             | 1.6                            | 7.2    | 0.0 | 0.0 | 6.4   | 12.8  |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

## XIb. Thyroid carcinomas

|   | 0-14 |                 |      | 0-19   |      |                 | Age-specific rates per million |        |     |      |       |       |
|---|------|-----------------|------|--------|------|-----------------|--------------------------------|--------|-----|------|-------|-------|
|   | N    | ASR per million |      |        | N    | ASR per million |                                |        | 0-4 | 5-9  | 10-14 | 15-19 |
|   |      | All             | Male | Female |      | All             | Male                           | Female |     |      |       |       |
| THAILAND, Songkhla (1994-2013)                            | 20   | 2.6             | 1.0  | 4.3    | 56   | 5.4             | 1.9                            | 9.0    | 0.0 | 0.5  | 8.5   | 15.2  |
| TURKEY, paediatric (2009-2011)                            | 30   | 0.5             | 0.3  | 0.6    | -    | -               | -                              | -      | 0.0 | 0.2  | 1.4   | -     |
| TURKEY, 8 registries (1992-2012)                          | 83   | 1.8             | 1.1  | 2.5    | 322  | 5.1             | 1.9                            | 8.5    | 0.1 | 0.8  | 5.1   | 16.7  |
| TURKEY, Ankara (2008-2012)                                | 26   | 4.2             | 2.5  | 6.1    | 81   | 10.1            | 4.4                            | 16.1   | 0.6 | 1.7  | 11.9  | 30.3  |
| TURKEY, Antalya (1998-2012)                               | 10   | 1.4             | 0.6  | 2.3    | 34   | 3.7             | 1.1                            | 6.5    | 0.0 | 0.5  | 4.3   | 11.7  |
| TURKEY, Bursa (2004-2012)                                 | 9    | 1.5             | 0.7  | 2.4    | 28   | 3.6             | 2.0                            | 5.2    | 0.0 | 0.6  | 4.5   | 10.8  |
| TURKEY, Erzurum (2006-2012)                               | 3    | 1.6             | 3.1  | 0.0    | 17   | 7.1             | 2.4                            | 12.0   | 0.0 | 1.8  | 3.5   | 26.1  |
| TURKEY, İzmir (1992-2012)                                 | 32   | 1.7             | 0.8  | 2.5    | 132  | 5.0             | 1.7                            | 8.5    | 0.0 | 0.8  | 4.9   | 16.5  |
| TURKEY, Samsun (2003-2012)                                | 3    | 0.8             | 1.1  | 0.5    | 16   | 3.2             | 0.9                            | 5.6    | 0.0 | 1.0  | 1.8   | 11.5  |
| TURKEY, Trabzon (2003-2012)                               | -    | 0.0             | 0.0  | 0.0    | 11   | 3.7             | 0.0                            | 7.4    | 0.0 | 0.0  | 0.0   | 16.4  |
| VIET NAM, Ho Chi Minh City (1995-2013)                    | 33   | 1.2             | 0.7  | 1.8    | 137  | 3.0             | 1.3                            | 4.7    | 0.2 | 0.6  | 3.3   | 9.2   |
| <b>EUROPE</b>   |      |                 |      |        |      |                 |                                |        |     |      |       |       |
| AUSTRIA (1990-2012)                                       | 51   | 1.4             | 1.0  | 1.9    | 187  | 3.9             | 1.8                            | 6.0    | 0.1 | 0.9  | 3.8   | 12.2  |
| BELARUS, paediatric (1990-2014)                           | 835  | 15.6            | 11.5 | 19.9   | 1656 | 22.4            | 14.7                           | 30.4   | 0.5 | 12.5 | 39.2  | 45.5  |
| BELGIUM (2004-2013)                                       | 37   | 1.8             | 0.8  | 2.8    | 121  | 4.4             | 2.0                            | 6.8    | 0.0 | 1.2  | 4.9   | 13.2  |
| BULGARIA (1990-2013)                                      | 25   | 0.7             | 0.2  | 1.2    | 88   | 1.6             | 0.7                            | 2.6    | 0.0 | 0.5  | 1.8   | 5.0   |
| CROATIA (2001-2014)                                       | 32   | 2.9             | 0.7  | 5.2    | 120  | 7.8             | 2.2                            | 13.7   | 0.3 | 1.0  | 8.5   | 24.7  |
| CYPRUS, South-West (1998-2012)                            | 13   | 4.8             | 1.4  | 8.4    | 53   | 13.9            | 5.5                            | 22.6   | 0.0 | 1.4  | 15.0  | 45.1  |
| CZECH REPUBLIC (1990-2012)                                | 123  | 2.6             | 1.6  | 3.7    | 367  | 5.3             | 2.5                            | 8.3    | 0.2 | 1.6  | 7.0   | 14.6  |
| ESTONIA (1990-2012)                                       | 7    | 1.0             | 1.1  | 0.9    | 22   | 2.3             | 1.7                            | 2.9    | 0.0 | 0.5  | 2.9   | 6.7   |
| FRANCE, paediatric (2000-2012)                            | 331  | 2.0             | 1.3  | 2.8    | -    | -               | -                              | -      | 0.6 | 1.4  | 4.7   | -     |
| FRANCE, 13 registries (1993-2012)                         | 86   | 2.5             | 1.4  | 3.6    | 284  | 6.0             | 2.9                            | 9.1    | 0.7 | 1.6  | 5.8   | 17.9  |
| FRANCE, Bas-Rhin (1993-2011)                              | 6    | 1.4             | 0.5  | 2.5    | 17   | 3.0             | 1.4                            | 4.7    | 0.0 | 1.6  | 3.2   | 8.3   |
| FRANCE, Calvados (1990-2012)                              | 13   | 4.0             | 1.9  | 6.2    | 38   | 8.3             | 3.9                            | 12.7   | 0.0 | 6.1  | 7.0   | 22.9  |
| FRANCE, Doubs (1993-2012)                                 | 6    | 2.6             | 0.8  | 4.5    | 17   | 5.4             | 3.7                            | 7.3    | 0.0 | 0.0  | 9.0   | 15.2  |
| FRANCE, Gironde (2008-2012)                               | 8    | 5.8             | 2.6  | 9.0    | 23   | 11.8            | 5.0                            | 18.7   | 2.4 | 2.4  | 14.0  | 32.5  |
| FRANCE, Haut-Rhin (1993-2012)                             | 6    | 1.8             | 0.6  | 3.1    | 15   | 3.7             | 0.9                            | 6.5    | 0.0 | 0.0  | 6.3   | 10.0  |
| FRANCE, Hérault (1993-2012)                               | 5    | 1.5             | 1.7  | 1.3    | 21   | 4.0             | 3.1                            | 4.9    | 1.8 | 0.0  | 2.6   | 12.7  |
| FRANCE, Isère (1993-2012)                                 | 18   | 3.7             | 1.7  | 5.9    | 60   | 8.9             | 3.5                            | 14.7   | 1.3 | 4.0  | 6.6   | 27.0  |
| FRANCE, Loire-Atlantique and Vendée (1998-2012)           | 14   | 2.4             | 2.1  | 2.7    | 63   | 8.1             | 4.3                            | 12.0   | 0.6 | 0.0  | 7.5   | 27.7  |
| FRANCE, Manche (1994-2012)                                | 5    | 2.5             | 2.0  | 3.1    | 14   | 5.5             | 1.6                            | 9.6    | 0.0 | 3.4  | 4.9   | 15.5  |
| FRANCE, Somme (1993-2012)                                 | 1    | 0.4             | 0.8  | 0.0    | 6    | 1.7             | 1.2                            | 2.3    | 0.0 | 0.0  | 1.4   | 6.3   |
| GERMANY, paediatric (1996-2012)                           | 237  | 1.0             | 0.7  | 1.3    | -    | -               | -                              | -      | 0.2 | 0.8  | 2.3   | -     |
| GERMANY, 6 Eastern registries (2001-2007)                 | 31   | 1.9             | 1.3  | 2.6    | 116  | 4.0             | 2.1                            | 6.1    | 0.5 | 1.0  | 4.9   | 11.3  |
| GERMANY, 5 Western registries (1994-2012)                 | 104  | 1.7             | 0.8  | 2.7    | 367  | 4.5             | 2.2                            | 7.0    | 0.1 | 1.1  | 4.6   | 14.1  |
| GERMANY, Bavaria (2002-2012)                              | 54   | 2.2             | 0.9  | 3.6    | 194  | 5.8             | 2.6                            | 9.2    | 0.0 | 1.0  | 6.4   | 18.3  |
| GERMANY, Lower Saxony (2003-2012)                         | 24   | 1.7             | 0.8  | 2.6    | 91   | 4.6             | 2.3                            | 7.1    | 0.3 | 1.3  | 4.1   | 14.7  |
| GERMANY, Rhine-Pfalz (1998-2012)                          | 14   | 1.2             | 0.5  | 2.0    | 48   | 3.2             | 1.4                            | 5.0    | 0.0 | 0.3  | 3.9   | 9.9   |
| GERMANY, Saarland (1994-2012)                             | 7    | 2.2             | 1.7  | 2.7    | 17   | 3.8             | 2.9                            | 4.7    | 0.0 | 3.2  | 3.9   | 9.4   |
| GERMANY, Schleswig-Holstein (2000-2012)                   | 5    | 0.8             | 0.9  | 0.7    | 17   | 2.0             | 1.4                            | 2.6    | 0.0 | 1.6  | 1.0   | 6.0   |
| HUNGARY, paediatric (1991-2014)                           | 48   | 1.0             | 0.5  | 1.5    | -    | -               | -                              | -      | 0.1 | 0.8  | 2.6   | -     |
| ICELAND (1990-2014)                                       | 1    | 0.5             | 0.0  | 1.1    | 12   | 4.9             | 0.0                            | 10.1   | 0.0 | 0.0  | 1.8   | 20.1  |
| IRELAND (1994-2012)                                       | 10   | 0.5             | 0.2  | 0.9    | 62   | 2.4             | 1.0                            | 3.8    | 0.0 | 0.2  | 1.6   | 8.8   |
| ITALY, 2 paediatric registries (1998-2011)                | 24   | 2.6             | 1.9  | 3.3    | 93   | 7.4             | 5.4                            | 9.5    | 0.4 | 1.4  | 6.8   | 24.0  |
| ITALY, Marche, paediatric (1998-2007)                     | 7    | 3.1             | 2.6  | 3.6    | 17   | 5.6             | 5.1                            | 6.1    | 0.0 | 0.0  | 10.7  | 14.2  |
| ITALY, Piedmont, paediatric (1990-2011)                   | 28   | 2.1             | 1.4  | 2.9    | -    | -               | -                              | -      | 0.3 | 1.3  | 5.5   | -     |
| ITALY, Piedmont, paediatric (2000-2011)                   | 17   | 2.4             | 1.7  | 3.2    | 76   | 8.0             | 5.5                            | 10.6   | 0.5 | 1.9  | 5.6   | 27.1  |
| ITALY, 26 registries (1992-2013)                          | 117  | 2.5             | 1.9  | 3.2    | 537  | 8.2             | 4.5                            | 12.2   | 0.2 | 1.6  | 6.6   | 27.9  |
| ITALY, Brescia (1999-2012)                                | 8    | 3.4             | 1.6  | 5.4    | 37   | 11.9            | 8.6                            | 15.4   | 1.3 | 1.4  | 8.6   | 41.1  |
| ITALY, Catania (2003-2013)                                | 13   | 3.3             | 2.9  | 3.7    | 61   | 11.0            | 5.7                            | 16.5   | 0.0 | 0.9  | 10.3  | 37.4  |
| ITALY, Friuli-Venezia Giulia (1995-2010)                  | 3    | 1.2             | 1.6  | 0.8    | 14   | 4.1             | 2.9                            | 5.3    | 0.0 | 1.3  | 2.7   | 14.0  |
| ITALY, Milan (1999-2007)                                  | 3    | 2.2             | 1.4  | 3.0    | 12   | 6.7             | 3.3                            | 10.4   | 0.0 | 0.0  | 7.6   | 22.4  |
| ITALY, Modena (1990-2012)                                 | 5    | 2.4             | 1.0  | 3.9    | 28   | 9.4             | 7.1                            | 11.7   | 0.0 | 3.2  | 4.8   | 33.2  |
| ITALY, Naples (1996-2012)                                 | 14   | 5.0             | 4.9  | 5.2    | 53   | 14.0            | 6.8                            | 21.5   | 0.0 | 1.3  | 15.9  | 45.0  |
| ITALY, Parma (1992-2013)                                  | 1    | 0.9             | 0.0  | 1.9    | 17   | 10.2            | 6.9                            | 13.8   | 0.0 | 2.8  | 0.0   | 42.1  |
| ITALY, Ragusa (1992-2012)                                 | 4    | 2.5             | 1.2  | 3.8    | 14   | 6.3             | 1.8                            | 11.0   | 0.0 | 0.0  | 8.5   | 19.5  |
| ITALY, Reggio Emilia (1996-2012)                          | 2    | 1.6             | 0.0  | 3.4    | 12   | 7.5             | 3.6                            | 11.8   | 0.0 | 2.6  | 2.8   | 27.9  |
| ITALY, Romagna (1990-2012)                                | 6    | 1.8             | 1.2  | 2.5    | 36   | 7.6             | 2.9                            | 12.6   | 0.0 | 1.1  | 5.1   | 27.4  |
| ITALY, Salerno (1997-2009)                                | 8    | 2.9             | 2.0  | 3.8    | 37   | 9.3             | 3.9                            | 15.0   | 0.0 | 2.6  | 7.1   | 31.6  |
| ITALY, Sassari (1992-2011)                                | 3    | 1.8             | 2.3  | 1.2    | 23   | 9.3             | 4.1                            | 14.8   | 0.0 | 0.0  | 6.2   | 35.3  |
| ITALY, Turin (1992-2012)                                  | 9    | 3.8             | 3.4  | 4.2    | 27   | 8.0             | 6.0                            | 10.3   | 0.0 | 4.2  | 8.5   | 22.6  |
| ITALY, Umbria (1994-2011)                                 | 6    | 2.8             | 1.7  | 4.0    | 30   | 9.7             | 5.6                            | 14.1   | 0.0 | 3.2  | 6.2   | 33.5  |
| ITALY, Varese (1992-2012)                                 | 8    | 3.0             | 3.5  | 2.3    | 20   | 5.3             | 4.7                            | 6.0    | 0.0 | 1.3  | 8.8   | 13.6  |
| ITALY, Veneto (1992-2009)                                 | 6    | 0.9             | 0.4  | 1.5    | 48   | 5.0             | 2.5                            | 7.6    | 0.5 | 0.0  | 2.5   | 19.0  |
| LITHUANIA (2000-2012)                                     | 10   | 1.1             | 1.1  | 1.1    | 54   | 3.9             | 1.8                            | 6.2    | 0.0 | 0.4  | 3.2   | 13.9  |
| MALTA (1994-2013)   | 3    | 1.7             | 1.1  | 2.3    | 10   | 4.1             | 1.6                            | 6.7    | 0.0 | 0.0  | 5.7   | 12.5  |
| THE NETHERLANDS (1993-2013)                               | 105  | 1.6             | 1.3  | 2.0    | 287  | 3.3             | 2.1                            | 4.5    | 0.7 | 1.6  | 2.8   | 9.0   |
| NORWAY (1990-2013)  | 21   | 0.9             | 0.4  | 1.4    | 90   | 2.9             | 1.1                            | 4.8    | 0.0 | 0.6  | 2.4   | 9.8   |
| POLAND (2001-2013)  | 167  | 1.7             | 1.1  | 2.5    | 619  | 4.2             | 2.0                            | 6.5    | 0.4 | 0.9  | 4.5   | 12.6  |
| POLAND, Greater Poland (1999-2013)                        | 22   | 2.1             | 0.9  | 3.3    | 105  | 6.4             | 2.6                            | 10.4   | 0.4 | 1.0  | 5.5   | 21.4  |
| POLAND, Kielce (1990-2013)                                | 9    | 1.5             | 1.1  | 2.0    | 26   | 2.9             | 0.9                            | 5.0    | 0.6 | 2.2  | 1.9   | 7.5   |
| POLAND, Lower Silesia (2000-2013)                         | 10   | 1.4             | 0.9  | 1.9    | 36   | 3.2             | 2.1                            | 4.3    | 0.5 | 0.5  | 3.6   | 9.4   |
| POLAND, Lublin (1999-2013)                                | 8    | 1.1             | 0.8  | 1.5    | 36   | 3.4             | 1.0                            | 5.9    | 0.0 | 0.6  | 3.3   | 11.1  |
| PORTUGAL (1991-2012)                                      | 75   | 2.4             | 1.3  | 3.6    | 263  | 6.0             | 2.4                            | 9.8    | 0.3 | 1.5  | 6.3   | 18.3  |
| PORTUGAL, Centre (2000-2010)                              | 10   | 2.2             | 0.9  | 3.7    | 36   | 5.7             | 1.9                            | 9.6    | 0.0 | 3.1  | 4.4   | 17.4  |
| PORTUGAL, North (1991-2010)                               | 29   | 2.1             | 1.0  | 3.3    | 119  | 6.1             | 2.1                            | 10.2   | 0.0 | 0.8  | 6.3   | 19.7  |
| PORTUGAL, South (1998-2012)                               | 35   | 2.9             | 1.8  | 4.1    | 99   | 5.9             | 2.9                            | 9.1    | 0.8 | 1.7  | 7.2   | 16.4  |
| RUSSIAN FEDERATION, Moscow region, paediatric (2000-2009) | 14   | 1.3             | 1.1  | 1.4    | -    | -               | -                              | -      | 0.0 | 1.2  | 3.2   | -     |
| RUSSIAN FEDERATION, 2 registries (1998-2015)              | 19   | 1.4             | 0.6  | 2.3    | 66   | 3.2             | 1.6                            | 4.8    | 0.3 | 0.6  | 3.9   | 9.2   |
| RUSSIAN FEDERATION, Chelyabinsk (2008-2012)               | 4    | 1.4             | 0.0  | 2.9    | 13   | 3.0             | 1.6                            | 4.3    | 0.0 | 0.0  | 4.9   | 8.2   |
| RUSSIAN FEDERATION, Samara (1998-2015)                    | 15   | 1.4             | 0.7  | 2.2    | 53   | 3.3             | 1.6                            | 5.0    | 0.4 | 0.7  | 3.7   | 9.5   |
| SLOVAKIA (1990-2009)                                      | 31   | 1.2             | 0.7  | 1.8    | 122  | 3.3             | 1.7                            | 5.0    | 0.2 | 1.0  | 2.9   | 10.4  |
| SLOVAKIA, paediatric (2000-2012)                          | 6    | 0.4             | 0.4  | 0.4    | -    | -               | -                              | -      | 0.0 | 0.3  | 1.1   | -     |
| SLOVENIA (1991-2012)                                      | 29   | 3.4             | 1.6  | 5.2    | 72   | 6.0             | 2.9                            | 9.2    | 0.5 | 0.4  | 10.5  | 14.9  |
| SPAIN, 2 paediatric registries (1991-2013)                | 67   | 1.3             | 0.7  | 1.9    | -    | -               | -                              | -      | 0.4 | 0.8  | 3.1   | -     |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

## XIb. Thyroid carcinomas

|   | 0-14 |                 |      | 0-19   |     |                 | Age-specific rates per million |        |     |     |       |       |
|---|------|-----------------|------|--------|-----|-----------------|--------------------------------|--------|-----|-----|-------|-------|
|   | N    | ASR per million |      |        | N   | ASR per million |                                |        | 0-4 | 5-9 | 10-14 | 15-19 |
|   |      | All             | Male | Female |     | All             | Male                           | Female |     |     |       |       |
| SPAIN, Selected regions, paediatric (2000-2013)     | 36   | 1.0             | 0.6  | 1.5    | -   | -               | -                              | -      | 0.3 | 0.9 | 2.0   | -     |
| SPAIN, Valencia, paediatric (1991-2010)             | 31   | 2.0             | 1.1  | 2.8    | -   | -               | -                              | -      | 0.7 | 0.5 | 5.3   | -     |
| SPAIN, 11 registries (1990-2013)                    | 89   | 2.4             | 1.8  | 3.1    | 272 | 5.0             | 2.6                            | 7.6    | 0.4 | 1.9 | 5.7   | 13.9  |
| SPAIN, Asturias (1992-2010)                         | 3    | 1.0             | 0.6  | 1.3    | 15  | 3.1             | 0.9                            | 5.5    | 0.0 | 0.0 | 3.3   | 10.5  |
| SPAIN, Balearic Islands (1990-2012)                 | 4    | 1.3             | 0.0  | 2.6    | 25  | 5.7             | 0.9                            | 10.8   | 0.0 | 0.0 | 4.4   | 21.0  |
| SPAIN, Basque Country (1990-2012)                   | 11   | 1.4             | 1.0  | 1.8    | 50  | 4.2             | 2.3                            | 6.1    | 0.0 | 0.5 | 4.2   | 13.8  |
| SPAIN, Canary Islands (1993-2011)                   | 7    | 1.2             | 0.3  | 2.1    | 34  | 4.0             | 1.6                            | 6.4    | 0.0 | 0.6 | 3.4   | 13.5  |
| SPAIN, Girona (1990-2013)                           | 6    | 2.3             | 1.7  | 3.0    | 18  | 4.9             | 1.3                            | 8.8    | 0.0 | 2.7 | 5.1   | 13.9  |
| SPAIN, Granada (1992-2013)                          | 7    | 1.8             | 0.6  | 3.2    | 25  | 4.5             | 1.5                            | 7.8    | 0.0 | 1.8 | 4.3   | 13.9  |
| SPAIN, Murcia (1991-2009)                           | 29   | 6.1             | 4.9  | 7.4    | 57  | 8.5             | 5.6                            | 11.6   | 0.7 | 7.3 | 12.0  | 16.7  |
| SPAIN, Navarra (1990-2010)                          | 11   | 5.8             | 7.0  | 4.4    | 22  | 7.9             | 6.7                            | 9.3    | 3.6 | 1.8 | 13.1  | 15.5  |
| SPAIN, Tarragona (1990-2011)                        | 5    | 2.0             | 1.1  | 2.9    | 15  | 4.2             | 2.4                            | 5.8    | 1.4 | 0.0 | 5.2   | 11.5  |
| SWEDEN (1990-2011)                                  | 65   | 1.7             | 0.6  | 2.8    | 203 | 3.8             | 1.6                            | 6.2    | 0.1 | 1.6 | 3.8   | 11.3  |
| SWITZERLAND, paediatric (1990-2013)                 | 29   | 0.9             | 0.6  | 1.1    | -   | -               | -                              | -      | 0.0 | 0.4 | 2.5   | -     |
| SWITZERLAND, 7 registries (1990-2013)               | 12   | 1.0             | 0.6  | 1.4    | 53  | 3.3             | 1.2                            | 5.5    | 0.0 | 0.6 | 2.8   | 11.3  |
| SWITZERLAND, Geneva (1993-2013)                     | 1    | 0.6             | 0.0  | 1.2    | 5   | 2.3             | 0.0                            | 4.7    | 0.0 | 0.0 | 2.1   | 8.1   |
| SWITZERLAND, Vaud (1993-2012)                       | 2    | 0.8             | 0.8  | 0.8    | 13  | 3.9             | 1.8                            | 6.1    | 0.0 | 0.0 | 2.7   | 14.6  |
| SWITZERLAND, Zurich (1993-2013)                     | 6    | 1.3             | 0.8  | 1.8    | 22  | 3.7             | 1.6                            | 5.8    | 0.0 | 0.7 | 3.7   | 11.7  |
| UKRAINE (2002-2012)                                 | 162  | 1.7             | 0.9  | 2.6    | 653 | 4.3             | 2.1                            | 6.7    | 0.0 | 0.7 | 5.1   | 13.4  |
| UK (2000-2011)                                      | 148  | 1.0             | 0.6  | 1.4    | 529 | 2.6             | 1.3                            | 4.0    | 0.3 | 0.6 | 2.3   | 8.2   |
| UK, England (1990-2013)                             | 198  | 0.8             | 0.5  | 1.2    | 722 | 2.2             | 1.0                            | 3.4    | 0.2 | 0.5 | 2.0   | 7.0   |
| UK, England and Wales, paediatric (1991-2010)       | 183  | 0.9             | 0.5  | 1.2    | -   | -               | -                              | -      | 0.2 | 0.6 | 1.9   | -     |
| UK, Northern Ireland (1993-2013)                    | 8    | 0.9             | 0.2  | 1.6    | 27  | 2.3             | 0.7                            | 4.0    | 0.0 | 0.8 | 2.2   | 7.1   |
| UK, Scotland (1991-2013)                            | 22   | 1.0             | 0.8  | 1.1    | 83  | 2.6             | 1.4                            | 3.9    | 0.4 | 0.6 | 2.1   | 8.3   |
| UK, Wales (2000-2011)                               | 10   | 1.4             | 1.5  | 1.4    | 27  | 2.8             | 2.5                            | 3.1    | 0.5 | 1.9 | 2.2   | 7.2   |
| <b>OCEANIA</b>                                      |      |                 |      |        |     |                 |                                |        |     |     |       |       |
| AUSTRALIA (1992-2014)                               | 129  | 1.3             | 0.8  | 1.8    | 551 | 4.2             | 2.1                            | 6.4    | 0.2 | 0.9 | 3.3   | 14.1  |
| AUSTRALIA, Indigenous (1992-2014)                   | 4    | 1.6             | 0.8  | 2.4    | 9   | 3.0             | 0.6                            | 5.5    | 0.0 | 1.2 | 4.1   | 7.8   |
| AUSTRALIA, Australian Capital Territory (1992-2012) | 1    | 0.6             | 0.0  | 1.3    | 10  | 4.4             | 1.7                            | 7.1    | 0.0 | 0.0 | 2.1   | 17.2  |
| AUSTRALIA, New South Wales (1992-2012)              | 53   | 1.7             | 1.2  | 2.3    | 177 | 4.3             | 2.1                            | 6.6    | 0.3 | 0.9 | 4.5   | 13.3  |
| AUSTRALIA, Queensland (1992-2013)                   | 27   | 1.4             | 0.6  | 2.2    | 121 | 4.7             | 1.8                            | 7.7    | 0.2 | 1.0 | 3.4   | 16.0  |
| AUSTRALIA, South Australia (1992-2012)              | 8    | 1.2             | 1.2  | 1.1    | 40  | 4.2             | 2.1                            | 6.5    | 0.5 | 0.0 | 3.3   | 14.9  |
| AUSTRALIA, Tasmania (1992-2013)                     | 1    | 0.4             | 0.9  | 0.0    | 6   | 1.8             | 1.8                            | 1.9    | 0.0 | 1.4 | 0.0   | 6.7   |
| AUSTRALIA, Victoria (1992-2014)                     | 24   | 1.0             | 0.7  | 1.2    | 118 | 3.5             | 2.1                            | 5.0    | 0.1 | 0.7 | 2.4   | 12.2  |
| AUSTRALIA, Western Australia (1992-2014)            | 15   | 1.4             | 0.3  | 2.5    | 78  | 5.4             | 3.2                            | 7.8    | 0.0 | 1.9 | 2.8   | 19.2  |
| FRANCE, 2 registries (1990-2013)                    | 8    | 2.3             | 0.6  | 4.2    | 22  | 5.0             | 0.9                            | 9.3    | 0.0 | 1.9 | 5.9   | 14.2  |
| FRANCE, New Caledonia (1990-2013)                   | 1    | 0.6             | 0.0  | 1.2    | 7   | 3.3             | 0.9                            | 5.8    | 0.0 | 0.0 | 2.0   | 12.7  |
| NEW ZEALAND (1993-2012)                             | 14   | 0.7             | 0.7  | 0.8    | 64  | 2.5             | 1.2                            | 3.9    | 0.3 | 0.7 | 1.4   | 8.6   |
| NEW ZEALAND, API (1993-2012)                        | 1    | 0.6             | 0.0  | 1.3    | 12  | 6.1             | 1.0                            | 11.2   | 0.0 | 0.0 | 2.1   | 24.8  |
| NEW ZEALAND, Maori (1993-2012)                      | 3    | 0.7             | 0.5  | 0.9    | 7   | 1.3             | 0.7                            | 1.8    | 0.6 | 0.0 | 1.5   | 3.3   |
| NEW ZEALAND, Other (1993-2012)                      | 10   | 0.8             | 0.8  | 0.8    | 45  | 2.5             | 1.3                            | 3.7    | 0.3 | 1.0 | 1.2   | 8.4   |
| NEW ZEALAND, paediatric (2000-2012)                 | 8    | 0.6             | 0.5  | 0.8    | -   | -               | -                              | -      | 0.5 | 0.0 | 1.5   | -     |
| NEW ZEALAND, paediatric, Maori (2000-2012)          | 4    | 1.3             | 1.4  | 1.3    | -   | -               | -                              | -      | 1.0 | 0.0 | 3.3   | -     |
| NEW ZEALAND, paediatric, Non-Maori (2000-2012)      | 4    | 0.4             | 0.3  | 0.6    | -   | -               | -                              | -      | 0.4 | 0.0 | 1.0   | -     |

*Italic when fewer than 10 cases*

Please consult the quality indicators for the individual registries

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