**e-Table 1.** Codes used for extraction of ophthalmological consultation, optical coherence tomography (OCT), fluorescein (FA) and indocyanine green (ICG) angiographies in the posterior pole, intravitreal injection (IVI), and laser photocoagulation in the posterior pole, in EGB database

|  |  |  |
| --- | --- | --- |
| Consultation | CODE PRS\_NAT\_REF | 1111: consultation quoted C1112: consultation quoted CS1113: consultation quoted CNP1117: consultation of specialists quoted C2 |
|  | CODE CAM\_PRS\_IDE | BZQM001: B-scan ultrasonography of the eyeBZQM002: B-scan ultrasonography and optical biometry of the eyeBFQM001: Optical biometry for IOL calculationBGQP006: Color stereo fundus photosBGQP007: Color fundus photosBGQP009: Blue light fundus photoBZQK001: Optical coherence tomographyBGQP002: Slit lamp ophthalmoscopyBGQP003: OphthalmoloscopyBGQP140: Deferred grading of fundus photosBLQP010: Binocular vision BHQP002: GonioscopyBJQP002: Ocular motricity examinationBZQP002: FluoroscopyEBQF001: Fluorescein angiography with SLOEBQF002: Fluorescein angiography with montageEBQF004: Fluorescein angiographyEBQF005: Indocyanine green angiography EBQF006: Indocyanine green angiography with SLO |
| Optical coherence tomography (OCT) | CODE CAM\_PRS\_IDE | BZQK001: Optical coherence tomography |
| FA and ICG angiographies | CODE CAM\_PRS\_IDE  | EBQF001: Fluorescein angiography with SLOEBQF002: Fluorescein angiography with montageEBQF004: Fluorescein angiographyEBQF005: Indocyanine green angiography EBQF006: Indocyanine green angiography with SLO |
| Intravitreal **injection** (IVI) |  CODE CAM\_PRS\_IDE | BGLB001: Intravitreal **injection**  |
|  | CODE CAM\_PRS\_IDE | S01BA01: DexamethasoneS01LA04: RanibizumabS01LA05: AfliberceptH02AB08: Triamcinolone |
| Laser photocoagulation  | CODE CAM\_PRS\_IDE | BGNP001: Laser photocoagulation in the posterior pole with monochromatic laserBGNP003: Laser photocoagulation in the fundus with contact lensBGNP004: Laser photocoagulation in the fundusBGNP006: Transscleral photocoagulationBGNP008: Laser photocoagulation in the posterior pole with argon or diode laser |

**e-Table 2.** Yearly rates of eye examinations among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008 | 40.0 [38.3;41.7] | 44.1 [42.6;45.6] | 47.8 [46.3;49.3] | 45.8 [44.2;47.5] | 43.6 [42.5;44.7] | 45.8 [44.7;46.9] | 44.7 [43.4;45.5] |
| 2009 | 40.1 [38.4;41.8] | 44.3 [42.9;45.9] | 48.3 [46.9;49.8] | 48.0 [46.4;49.6] | 44.4 [43.3;45.5] | 46.6 [45.5;47.7] | 45.4 [44.7;46.2] |
| 2010 | 41.0 [39.4;42.7] | 46.1 [44.7;47.5] | 48.8 [47.4;50.2] | 47.2 [45.7;48.7] | 44.5 [43.5;45.5] | 47.9 [46.8;49.0] | 46.1 [45.4;46.8] |
| 2011 | 40.8 [39.2;42.4] | 45.2 [43.9;46.5] | 49.0 [47.7;50.4] | 48.6 [47.9;50.0] | 44.9 [43.9;45.8] | 47.7 [46.6;48.7] | 46.2 [45.5;46.9] |
| 2012 | 40.0 [38.4;41.6] | 46.1 [44.8;47.4] | 49.2 [47.8;50.5] | 49.2 [47.8;50.6] | 45.3 [44.3;46.2] | 48.0 [47.0;49.0] | 46.6 [45.9;47.3] |
| 2013 | 39.9 [38.4;41.5] | 45.3 [44.0;46.6] | 48.8 [47.5;50.1] | 48.7 [47.3;50.1] | 44.6 [43.6;45.5] | 47.9 [47.0;48.9] | 46.2 [45.5;46.8] |
| 2014 | 39.2 [37.7;40.8] | 46.0 [44.7;47.3] | 50.7 [49.4;51.9] | 48.8 [47.5;50.2] | 45.8 [44.8;46.7] | 48.1 [47.1;49.0] | 46.9 [46.2;47.5] |
| 2015 | 40.1 [38.5;41.6] | 46.8 [45.5;48.1] | 49.7 [48.5;50.9] | 49.2 [47.9;50.5] | 45.2 [44.3;46.2] | 49.1 [48.1;50.1] | 47.1 [46.4;47.7] |
| 2016 | 41.8 [40.3;43.4] | 46.7 [45.5;48.0] | 51.6 [50.4;52.7] | 49.5 [47.9;50.4] | 46.8 [45.9;47.7] | 49.4 [48.5;50.4] | 48.0 [47.3;48.6] |
| 2017 | 41.0 [39.5;42.6] | 46.3 [45.0;47.6] | 51.7 [50.5;52.8] | 49.3 [48.0;50.6] | 46.5 [45.6;47.4] | 49.5 [48.6;50.4] | 47.9 [47.3;48.5] |

**e-Table 3.** Biennial rates of eye examinations among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008-2009 | 60.9 [59.2;62.6] | 63.6 [62.1;65.0] | 65.3 [63.9;66.7] | 59.6 [58.0;61.2] | 61.9 [60.8;62.9] | 63.3 [62.2;64.4] | 62.6 [61.8;63.3] |
| 2009-2010 | 60.3 [58.6;62.0] | 64.7 [63.4;66.2] | 65.7 [64.3;67.1] | 61.6 [60.6;63.1] | 62.2 [61.2;63.2] | 64.6 [63.5;65.7] | 63.4 [62.6;64.1] |
| 2010-2011 | 61.9 [60.2;63.5] | 65.5 [64.2;66.9] | 66.3 [64.9;67.6] | 62.1 [60.6;63.5] | 62.9 [61.9;63.9] | 65.6 [64.5;66.6] | 64.2 [63.4;64.9] |
| 2011-2012 | 62.0 [60.4;63.5] | 65.0 [64.8;67.3] | 66.6 [65.3;67.9] | 62.7 [61.4;64.1] | 63.4 [62.4;64.3] | 65.9 [64.9;66.8] | 64.6 [63.9;65.3] |
| 2012-2013 | 61.5 [59.2;63.1] | 65.5 [64.3;66.8] | 66.2 [64.9;67.4] | 63.8 [62.5;65.2] | 63.5 [62.6;64.4] | 65.7 [64.7;66.6] | 64.5 [63.9;65.2] |
| 2013-2014 | 60.3 [58.7;61.8] | 66.0 [64.8;67.2] | 67.4 [66.1;68.6] | 62.5 [61.2;63.8] | 63.4 [62.5;64.3] | 65.6 [64.7;66.6] | 64.5 [63.8;65.1] |
| 2014-2015 | 59.8 [58.3;61.4] | 66.7 [65.5;67.9] | 68.6 [67.4;69.8] | 63.0 [61.7;64.3] | 64.2 [63.3;65.1] | 66.1 [65.1;67.0] | 65.1 [64.4;65.7] |
| 2015-2016 | 62.8 [61.2;64.3] | 67.8 [66.6;69.0] | 68.6 [67.4;69.7] | 64.4 [63.1;65.7] | 64.9 [64.1;65.8] | 67.8 [66.9;68.7] | 66.3 [65.7;66.9] |
| 2016-2017 | 62.5 [61.0;64.0] | 67.6 [66.4;68.8] | 69.6 [69.2;71.3] | 63.2 [61.9;64.4] | 65.3 [64.4;66.1] | 67.6 [66.7;68.5] | 66.4 [65.7;67.0] |

**e-Table 4.** Yearly rate of optical coherence tomography (OCT) imaging, among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008 | 1.5 [1.1;2.0] | 2.5 [2.1;3.0] | 2.9 [2.5;3.5] | 3.7 [3.4;4.7] | 2.4 [2.1;2.7] | 3.0 [2.7;3.5] | 2.7 [3.6;4.2] |
| 2009 | 2.1 [1.6;2.6] | 3.2 [2.7;3.8] | 4.4 [3.8;5.0] | 4.9 [4.2;5.6] | 3.5 [3.2;4.0] | 3.9 [3.5;4.3] | 3.7 [3.4;4.0] |
| 2010 | 3.2 [2.7;3.8] | 3.8 [3.3;4.3] | 4.6 [4.0;5.2] | 6.5 [5.8;7.3] | 4.1 [3.7;4.5] | 5.0 [4.6;5.5] | 4.6 [4.2;4.9] |
| 2011 | 4.2 [3.6;4.9] | 4.6 [4.1;5.2] | 6.5 [5.8;7.2] | 7.5 [6.8;8.3] | 5.6 [5.2;6.1] | 5.9 [5.5;6.4] | 5.8 [5.5;6.1] |
| 2012 | 4.4 [3.7;5.1] | 5.5 [4.9;6.1] | 7.3 [6.6;8.0] | 8.3 [7.6;9.1] | 6.1 [5.6;6.6] | 6.9 [6.4;7.4] | 6.5 [6.1;6.8] |
| 2013 | 5.0 [4.3;5.7] | 6.7 [6.1;7.4] | 8.5 [7.8;9.2] | 10.3 [9.5;11.2] | 7.5 [7.0;8.0] | 8.1 [7.6;8.7] | 7.8 [7.4;8.2] |
| 2014 | 5.0 [4.4;5.7] | 8.0 [7.4;8.8] | 10.2 [9.4;11.0] | 11.9 [11.1;12.8] | 8.8 [8.3;9.4] | 9.4 [8.9;10.0] | 9.1 [8.7;9.5] |
| 2015 | 6.9 [6.2;7.8] | 9.6 [8.9;10.4] | 11.4 [10.6;12.2] | 13.9 [13.0;14.8] | 10.4 [9.9;11.0] | 11.1 [10.5;11.8] | 10.8 [10.3;11.2] |
| 2016 | 8.6 [7.8;9.5] | 11.2 [10.4;12.0] | 14.8 [13.9;15.6] | 16.6 [15.7;17.6] | 13.0 [12.4;13.7] | 13.5 [12.9;14.2] | 13.3 [12.8;13.7] |
| 2017 | 10.5 [9.6;11.5] | 13.9 [13.0;14.8] | 18.2 [17.3;19.1] | 19.7 [18.7;20.7] | 15.4 [14.7;16.0] | 17.2 [16.4;17.8] | 16.2 [15.7;16.7] |

**e-Table 5.** Yearly rate of fluorescein and indocyanin green angiographies, among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008 | 1.9 [1.4;2.3] | 2.4 [2.0;2.9] | 2.4 [2.0;2.9] | 2.8 [2.5;3.6] | 2.3 [2.0;2.7] | 2.4 [2.1;2.8] | 2.4 [2.1;2.6] |
| 2009 | 1.3 [1.0;1.8] | 1.9 [1.6;2.4] | 2.4 [2.0;2.9] | 2.5 [2.1;3.1] | 1.9 [1.6;2.2] | 2.3 [2.0;2.6] | 2.1 [1.9;2.3] |
| 2010 | 1.3 [1.0;1.8] | 1.7 [1.4;2.1] | 1.8 [1.5;2.3] | 2.0 [1.7;2.5] | 1.6 [1.3;1.8] | 2.0 [1.7;2.3] | 1.8 [1.6;2.0] |
| 2011 | 1.2 [0.8;1.6] | 1.4 [1.1;1.8] | 1.6 [1.3;2.0] | 1.9 [1.5;2.5] | 1.6 [1.4;1.9] | 1.5 [1.2;1.7] | 1.6 [1.4;1.7] |
| 2012 | 1.1 [0.8;1.4] | 1.3 [1.0;1.6] | 1.2 [1.0;1.6] | 1.7 [1.4;2.1] | 1.3 [1.1;1.5] | 1.4 [1.2;1.7] | 1.3 [1.2;1.5] |
| 2013 | 0.9 [0.7;1.3] | 1.2 [0.9;1.5] | 1.2 [0.9;1.5] | 1.5 [1.2;1.9] | 1.2 [1.0;1.4] | 1.2 [1.0;1.5] | 1.2 [1.1;1.4] |
| 2014 | 0.9 [0.7;1.3] | 1.1 [0.8;1.4] | 1.4 [1.1;1.7] | 1.4 [1.1;1.8] | 1.1 [0.9;1.3] | 1.3 [1.1;1.6] | 1.2 [1.1;1.3] |
| 2015 | 1.0 [0.7;1.4] | 1.5 [1.2;1.9] | 1.2 [0.9;1.5] | 1.2 [1.0;1.6] | 1.3 [1.1;1.5] | 1.2 [1.0;1.4] | 1.3 [1.1;1.4] |
| 2016 | 1.0 [0.7;1.4] | 1.3 [1.0;1.6] | 1.4 [1.1;1.7] | 1.1 [0.8;1.4] | 1.2 [1.1;1.5] | 1.2 [1.0;1.4] | 1.2 [1.1;1.4] |
| 2017 | 1.3 [1.0;1.7] | 1.3 [1.0;1.6] | 1.4 [1.2;1.7] | 1.3 [1.0;1.6] | 1.3 [1.1;1.5] | 1.3 [1.1;1.6] | 1.3 [1.2;1.5] |

**e-Table 6.** Yearly rate of intravitreal injection (IVI), among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008 | 0.1 [0.0;0.3] | 0.1 [0.1;0.3] | 0.3 [0.2;0.6] | 0.7 [0.5;1.1] | 0.2 [0.1;0.3] | 0.4 [0.3;0.6] | 0.3 [0.2;0.4] |
| 2009 | 0.1 [0.1;0.4] | 0.2 [0.1;0.4] | 0.3 [0.2;0.5] | 0.9 [0.6;1.2] | 0.3 [0.2;0.4] | 0.5 [0.4;0.7] | 0.4 [0.3;0.5] |
| 2010 | 0.1 [0.0;0.3] | 0.3 [0.1;0.4] | 0.5 [0.3;0.7] | 1.0 [0.7;1.3] | 0.4 [0.3;0.5] | 0.6 [0.4;0.8] | 0.5 [0.4;0.6] |
| 2011 | 0.2 [0.1;0.5] | 0.3 [0.2;0.5] | 0.4 [0.3;0.7] | 0.9 [0.7;1.3] | 0.5 [0.3;0.6] | 0.5 [0.4;0.7] | 0.5 [0.4;0.6] |
| 2012 | 0.2 [0.1;0.4] | 0.5 [0.3;0.7] | 0.6 [0.5;0.9] | 1.3 [1.1;1.7] | 0.7 [0.5;0.8] | 0.7 [0.5;0.9] | 0.7 [0.6;0.8] |
| 2013 | 0.2 [0.1;0.3] | 0.5 [0.4;0.7] | 0.9 [0.7;1.1] | 1.6 [1.3;2.0] | 0.8 [0.6;1.0] | 0.9 [0.7;1.0] | 0.8 [0.7;1.0] |
| 2014 | 0.2 [0.1;0.4] | 0.4 [0.3;0.6] | 0.9 [0.7;1.1] | 1.7 [1.4;2.1] | 0.7 [0.6;0.9] | 1.0 [0.8;1.2] | 0.8 [0.7;1.0] |
| 2015 | 0.3 [0.1;0.5] | 0.6 [0.5;0.9] | 0.9 [0.7;1.2] | 1.9 [1.6;2.3] | 0.9 [0.7;1.0] | 1.1 [0.9;1.3] | 1.0 [0.8;1.1] |
| 2016 | 0.6 [0.4;0.9] | 0.9 [0.7;1.2] | 1.3 [1.0;1.6] | 2.0 [1.7;2.4] | 1.1 [0.9;1.3] | 1.5 [0.9;1.3] | 1.3 [1.1;1.4] |
| 2017 | 0.6 [0.4;0.9] | 1.0 [0.8;1.3] | 1.5 [1.2;1.8] | 2.6 [2.2;3.0] | 1.4 [1.2;1.6] | 1.7 [1.4;1.9] | 1.5 [1.4;1.7] |

**e-Table 7.** Yearly rate of laser photocoagulation, among adults treated for diabetes (EGB database, 2008-2017)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Age | Gender | Overall |
|  | 18-54 | 55-64 | 65-74 | ≥ 75 | Men | Women |  |
|  | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] | % [95%CI] |
| 2008 | 1.1 [0.8;1.5] | 1.5 [1.1;1.9] | 1.4 [1.1;1.8] | 1.0 [0.8;1.5] | 1.2 [1.0;1.4] | 1.3 [1.1;1.6] | 1.3 [1.1;1.4] |
| 2009 | 1.0 [0.7;1.4] | 1.1 [0.8;1.4] | 1.2 [0.9;1.6] | 1.3 [1.0;1.7] | 1.1 [0.9;1.4] | 1.2 [1.0;1.4] | 1.2 [1.0;1.3] |
| 2010 | 1.1 [0.8;1.5] | 1.3 [1.0;1.6] | 1.1 [0.9;1.5] | 0.8 [0.6;1.1] | 1.1 [0.9;1.3] | 1.1 [0.9;1.4] | 1.1 [0.9;1.3] |
| 2011 | 1.1 [0.8;1.5] | 1.2 [0.9;1.5] | 1.1 [0.8;1.4] | 0.7 [0.5;0.9] | 0.8 [0.7;1.0] | 1.2 [1.0;1.5] | 1.0 [0.9;1.2] |
| 2012 | 0.8 [0.6;1.2] | 0.8 [0.6;1.1] | 0.9 [0.7;1.2] | 0.8 [0.6;1.1] | 0.8 [0.6;1.0] | 0.9 [0.7;1.1] | 0.8 [0.7;1.0] |
| 2013 | 0.9 [0.6;1.2] | 0.9 [0.7;1.2] | 0.6 [0.4;0.8] | 0.7 [0.5;1.0] | 0.8 [0.6;0.9] | 0.8 [0.6;1.0] | 0.8 [0.7;0.9] |
| 2014 | 0.7 [0.5;1.0] | 0.8 [0.6;1.1] | 0.8 [0.6;1.0] | 0.6 [0.4;0.8] | 0.7 [0.6;0.9] | 0.8 [0.6;0.9] | 0.7 [0.6;0.9] |
| 2015 | 0.8 [0.6;1.1] | 0.8 [0.6;1.1] | 0.8 [0.6;1.1] | 0.7 [0.5;0.9] | 0.7 [0.5;0.9] | 0.9 [0.7;1.1] | 0.8 [0.7;0.9] |
| 2016 | 0.9 [0.7;1.3] | 1.3 [1.0;1.6] | 0.8 [0.6;1.1] | 0.7 [0.5;1.0] | 1.0 [0.8;1.2] | 0.9 [0.7;1.1] | 0.9 [0.8;1.1] |
| 2017 | 1.0 [0.7;1.3] | 0.9 [0.7;1.1] | 1.1 [0.9;1.4] | 0.9 [0.7;1.1] | 1.0 [0.8;1.2] | 0.9 [0.8;1.1] | 1.0 [0.8;1.1] |