

**ESM Table 2. TBI mortality rate and case fatality rates**

Study location, (reference)	Mortality rate per 10 <sup>5</sup> population	In-Hospital No. cases	Case fatality rate		Total case fatality rate	
			No. deaths	per 100 <sup>16</sup>	No.deaths	per 100 <sup>16</sup>
Aquitaine, France, 1996 (Masson et al, 2001) [19]	5,2	NR	NR	30 <sup>1</sup> – 51 <sup>2</sup>	NR	NR
Austria, 1999-2004, (Rosso et al, 2007) [29]	NR	NR	NR	31,7 <sup>7</sup>	NR	NR
Austria, 2009-2011, (Mauritz et al, 2014) [21]	11	73622	1518	2,1	2665	3,64
Cologne, Germany, 1990-1999 (Maegele et al, 2007) [18]	3,3	468 <sup>6</sup>	116	24,8	298	45,8
European regions with different economic status, 2001-2005, (Mauritz et al, 2008) [22]	NR	HI: 406; UMI: 337; LMI: 429 <sup>8</sup>	HI: 170; UMI: 162; LMI: 234 <sup>8,9</sup>	HI: 42; UMI: 48; LMI: 55 <sup>8,9</sup>	NR	NR
Finland, 1991-2005, (Koskinen, 2008) [14]	18,3 <sup>10</sup>	27138	1378	5,1 <sup>11</sup>	14131	18,1 <sup>12</sup>
Germany, 1996 (Firsching, 2001) [7]	11,5	NR	NR	NR	NR	NR
Germany, 2000 (Steudel et al, 2005) [34]	9,4 (1999)	276758 (1999)	2723	1,0	7705 (1999)	2,7
Greece, (Katsaragakis et al, 2010) [13]	NR	3383	144	4,3 <sup>6</sup>	389	11,5
Hannover & Münster, Germany, 2000-2001, (Rickels et al, 2010) [27]	3,0 <sup>6</sup>	5221	47	0,9 <sup>6</sup>	66	0,97 <sup>6</sup>
Milan & Monza, Italy, 1997-2007, (Stocchetti et al, 2012) [35]	NR	1366	416 <sup>13</sup>	33 <sup>13</sup>	NR	NR
Northeast Italy, 1996-2000 (Baldo et al 2003) [5]	7,0 <sup>3</sup>	11074 <sup>3</sup>	314 <sup>4</sup>	3,1 <sup>4</sup>	NR	NR
Northern Ostrobothnia, Finland, 1999 and 2007, (Puljula et al, 2013) [26]	NR	NR	NR	NR	156	58 <sup>6</sup>
Norway, 2009-2010, (Andelic et al, 2012) [1]	NR	278	80	29	NR	NR
Oslo, Norway, 2005-2006 (Andelic et al, 2008)[2]	NR	445	9	2,0	NR	NR
Romagna, Italy, 1998 (Servadei et al, 2002) [31]	18,3	2890	125	2,8 <sup>5</sup>	225	7,8 <sup>5</sup>
Romagna & Trentino, Italy, (Servadei et al, 2002) [32]	NR	4442 <sup>6</sup>	85 <sup>6</sup>	1,9 <sup>6</sup>	NR	NR
South East Finland, 2002-2004, (Numminen, 2011) [24]	NR	370	28 <sup>14</sup>	7,6 <sup>6,14</sup>	NR	NR
The Netherlands, 2008-2009 (Andriessen et al, 2011) [4]	NR	508 (339 severe & 169 moderate TBI)	143	28,1 <sup>6</sup>	169 ( 140 severe & 29 moderate TBI) <sup>15</sup>	33,3 ( 46 severe & 21 moderate TBI ) <sup>6, 15</sup>

<sup>1</sup> overall severe, <sup>2</sup> patients in coma with H AIS of 5, <sup>3</sup> average over 5 years, <sup>4</sup> derived from population average and TBI mortality rate, <sup>5</sup> includes residents, and non-residents, <sup>6</sup> tabled value(s) were calculated from published data, <sup>7</sup> ICU fatality rate, <sup>8</sup> HI: High Income; UMI: Upper Middle Income; LMI: Low Middle Income, <sup>9</sup> after 90 days <sup>10</sup> average over 15 years, <sup>11</sup> in period 2001-2005, <sup>12</sup> in period 1991-2005, <sup>13</sup> after 6 months, <sup>14</sup> in first month, <sup>15</sup> After 6 months follow up, <sup>16</sup> rate/100 patient

