

Supplementary Table 1. 1- and 3-year Relative Survival estimates (%) by periods for DCR and DaRenCa (95% confidence interval in parenthesis).

1-year relative survival	DCR	DaRenCaData
Period 1 (August 2010 – July 2011)	78 (75-81)	83 (80-86)
Period 2 (August 2011 – July 2012)	77 (73-80)	83 (79-86)
Period 3 (August 2012 – July 2013)	81 (78-84)	85 (82-88)
Period 4 (August 2013 – July 2014)	81 (78-83)	86 (84-89)
Period 5 (August 2014 – July 2015)	84 (82-87)	86 (84-89)
Period 6 (August 2015 – December 2015)	84 (80-88)	87 (82-90)
3-year relative survival	DCR	DaRenCaData
Period 1 (August 2010 – July 2011)	64 (61-68)	72 (67-76)
Period 2 (August 2011 – July 2012)	63 (59-67)	71 (67-75)
Period 3 (August 2012 – July 2013)	71 (67-74)	76 (72-80)
Period 4 (August 2013 – July 2014)	69 (65-72)	76 (72-79)
Period 5 (August 2014 – July 2015)	74 (70-77)	76 (72-79)
Period 6 (August 2015 – December 2015)	NA	NA

Supplementary Table 2. 3-year mortality rate ratios with time variations for patients in DCR and DaRenCaData (Model 2)

	Number of deaths	3-year Mortality Rate Ratio (95% CI)
Time measured as a categorical variables		
Period 1 (August 2010 – July 2011)	215	<i>[Reference category]</i>
Period 2 (August 2011 – July 2012)	214	1.00 (0.89-1.13)
Period 3 (August 2012 – July 2013)	216	0.85 (0.75-0.96)
Period 4 (August 2013 – July 2014)	235	0.84 (0.74-0.94)
Period 5 (August 2014 – July 2015)	236	0.77 (0.68-0.87)
Period 6 (August 2015 – December 2015)	90	0.78 (0.66-0.92)
Time measured as a continuous variable		
Years between date of diagnosis and start of observation period (August 1 st 2010)	-	0.94 (0.92-0.96)