

**Supplementary table. Sensitivity analysis. Comparing key outcomes in three cohorts: the cohort in the current analysis (excluding people with acute symptomatic seizures, single seizure and epilepsy at presentation combined); those with definite epilepsy excluding those with acute symptomatic seizures; the whole cohort with definite or possible epilepsy. For seizure outcomes we excluded people with no follow-up and those with more than five years of missing data but with further follow-up).**

	<b>No acute symptomatic seizures (cohort for the current study)</b>	<b>Definite epilepsy (no acute symptomatic seizures) only</b>	<b>Whole cohort (including those with acute symptomatic seizures)</b>
N	657	455	740
Single seizure at presentation	302 (46%, 95% CI 42 to 50)	200 (44%; 95% CI 39 to 49)	367 (50%, 95% CI 46 to 53)
Recurrence of seizures	443 (67%, 95% CI 64 to 71)	335 (74%; 95% CI 69 to 77)	473 (64%, 95% CI 60 to 67)
Probability of remaining seizure-free at 10 years*	0.33 (95% CI 0.29 to 0.37)	0.28 (95% CI 0.24 to 0.32)	0.37 (95% CI 0.33 to 0.40)
<b>3 year remission (95% CI)</b>	590 with FU to 3 years	406 with FU to 3 years	663 with FU to 3 years
Probability of remission by 5 years*	0.69 (95% CI 0.66 to 0.73)	0.64 (95% CI 0.59 to 0.69)	0.71 (95% CI 0.68 to 0.75)
Probability of remission by 10 years*	0.87 (95% CI 0.84 to 0.89)	0.85 (95% CI 0.81 to 0.88)	0.88 (95% CI 0.85 to 0.90)
Probability of remission by 15 years*	0.91 (95% CI 0.88 to 0.93)	0.89 (95% CI 0.85 to 0.92)	0.91 (95% CI 0.89 to 0.94)
<b>5 year remission</b>	568 with FU to 5 years	390 with FU to 5 years	638 with FU to 5 years

Probability of remission by 5 years*	0.38 (95% CI 0.34 to 0.42)	0.32 (95% CI 0.27 to 0.36)	0.41 (95% CI 0.38 to 0.45)
Probability of remission by 10 years*	0.76 (95% CI 0.73 to 0.80)	0.72 (95% CI 0.68 to 0.77)	0.78 (95% CI 0.74 to 0.81)
Probability of remission by 15 years*	0.84, (95% CI 0.81 to 0.87)	0.82 (95% CI 0.78 to 0.86)	0.85 (95% CI 0.82 to 0.88)
<b>5 year terminal remission</b>			
People with follow-up to 2009	327	218	366 <sup>a</sup>
5-year terminal remission	268 (82%, 95% CI 77 to 86)	172 (79%; 95% CI 73 to 84)	303 (83%, 95% CI 79 to 86)
5-year terminal remission, off AEDs	204 (76% 95% CI 71 to 81)	121 (70%, 95% CI 63 to 77)	236 (78%, 95 % CI 73 to 82)
<b>Mortality</b>			
Overall SMR	2.07 (95% CI 1.83 to 2.34)	2.43 (95% CI 2.10 to 2.81)	2.19 (95% CI 1.96 to 2.45)
SMR in people with single notified seizure	1.57 (95% CI 1.15 to 2.13)	2.57 (95% CI 1.75 to 3.78)	1.64 (95% CI 1.33 to 2.04)

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\*after the index seizure

Legend: HR; hazard ratio

CI; confidence interval

FU; follow-up

AED; anti-epileptic drug

SMR; standardised mortality ratio

<sup>a</sup> 373 forms were returned in 2009, but seven people had more than five years of missing data and so were excluded from further analysis