

**Table S2** The cumulative effects of cold spells under the optimal definition using different degrees of freedom for time per year in the DLM model

df for time per year	Group	CRR (95% CI)			
		Lag0	Lag0-7	Lag0-14	Lag0-21
3 <sup>a</sup>	Total	1.042 (1.013-1.072)*	1.249 (1.136-1.374)*	1.343 (1.206-1.496)*	1.394 (1.193-1.630)*
	Male	1.042 (1.011-1.074)*	1.243 (1.123-1.375)*	1.316 (1.173-1.477)*	1.342 (1.136-1.586)*
	Female	1.041 (1.005-1.077)*	1.257 (1.119-1.411)*	1.383 (1.215-1.574)*	1.476 (1.211-1.783)*
	Age<65	1.017 (0.972-1.064)	1.120 (0.963-1.303)	1.159 (0.977-1.376)	1.107 (0.862-1.422)
	Age≥65	1.046 (1.017-1.077)*	1.275 (1.158-1.404)*	1.382 (1.240-1.540)*	1.456 (1.244-1.705)*
	Total	1.023 (0.992-1.055)	1.150 (1.033-1.280)*	1.218 (1.078-1.376)*	1.233 (1.036-1.467)*
4	Male	1.029 (0.997-1.063)	1.173 (1.045-1.316)*	1.226 (1.074-1.399)*	1.225 (1.015-1.480)*
	Female	1.011 (0.974-1.050)	1.107 (0.971-1.262)	1.196 (1.034-1.385)*	1.232 (0.998-1.520)
	Age<65	1.010 (0.961-1.061)	1.077 (0.906-1.280)	1.105 (0.907-1.345)	1.056 (0.795-1.401)
	Age≥65	1.026 (0.995-1.058)	1.166 (1.046-1.300)*	1.244 (1.100-1.406)*	1.272 (1.067-1.517)*
	Total	1.022 (0.990-1.056)	1.144 (1.008-1.298)*	1.208 (1.031-1.415)*	1.222 (0.978-1.526)
5	Male	1.030 (0.994-1.066)	1.171 (1.021-1.343)*	1.222 (1.027-1.452)*	1.223 (0.960-1.559)
	Female	1.009 (0.970-1.050)	1.093 (0.938-1.275)	1.174 (0.972-1.418)	1.203 (0.923-1.569)
	Age<65	1.011 (0.959-1.066)	1.082 (0.883-1.327)	1.127 (0.874-1.453)	1.127 (0.788-1.612)
	Age≥65	1.025 (0.992-1.059)	1.158 (1.019-1.316)*	1.227 (1.045-1.440)*	1.245 (0.994-1.559)
	Total	1.022 (0.990-1.056)	1.144 (1.008-1.298)*	1.208 (1.031-1.415)*	1.222 (0.978-1.526)

CI, confidence interval; df, degree of freedom; RR, relative risk.

\**P*<0.05.<sup>a</sup>Used in the study.