Supplementary Table 4. Secular trends of 1-month, 3-month, and 1-year mortality

	2013	2014	2016	2018	2020/2021	2022/2023	P_{trend}
Crude mortality, any stroke							
1-month	12.4	11.2	10.0	9.7	10.3	11.0	0.063
3-month	14.4	13.4	12.3	11.9	12.5	13.5	0.479
1-year	22.9	21.2	18.3	18.3	21.3	20.7	0.383
Crude mortality, ischemic stroke							
1-month	7.6	6.5	6.3	6.2	6.7	7.4	0.028
3-month	9.8	8.9	8.7	8.3	8.9	9.9	0.014
1-year	18.9	17.4	15.1	15.3	18.1	17.5	0.032
Crude mortality, ICH							
1-month	24.9	28.0	20.6	20.3	21.3	22.8	0.042
3-month	26.8	30.4	23.2	23.0	23.9	25.7	0.210
1-year	34.9	36.7	29.3	29.1	33.9	33.4	0.486
Crude mortality, SAH							
1-month	29.0	28.6	23.8	22.4	22.3	23.0	<0.001
3-month	30.0	29.4	24.6	23.7	23.4	24.3	<0.001
1-year	33.6	31.4	26.7	25.9	26.8	27.4	<0.001
Adjusted mortality, any stroke (model 1)							
1-month	14.3 (13.8–14.9)	12.0 (11.4–12.5)	9.8 (9.5–10.1)	9.4 (9.1–9.7)	10.4 (10.1–10.6)	12.0 (11.7–12.3)	0.140
3-month	16.3 (15.7–16.9)	14.4 (13.8–15.0)	12.3 (11.9–12.6)	11.5 (11.2–11.8)	12.5 (12.2–12.8)	14.6 (14.3–15.0)	0.121
1-year	26.5 (25.7–27.2)	23.0 (22.3–23.8)	17.4 (17.0–17.8)	17.2 (16.9–17.6)	23.0 (22.6–23.4)	21.7 (21.3–22.1)	0.001
Adjusted mortality, ischemic stroke (model 1)							
1-month	8.9 (8.3–9.5)	6.7 (6.2–7.2)	6.1 (5.8–6.4)	5.9 (5.6–6.2)	6.6 (6.3–6.9)	8.0 (7.7–8.3)	0.031
3-month	11.0 (10.4–11.7)	9.3 (8.7–9.9)	8.6 (8.3–9.0)	7.9 (7.6–8.3)	8.8 (8.5–9.1)	10.6 (10.3–11.0)	0.140
1-year	22.0 (21.1–22.8)	19.0 (18.2–19.8)	14.1 (13.6–14.5)	14.2 (13.8–14.6)	19.5 (19.0–19.9)	18.1 (17.6–19.9)	0.154
Adjusted mortality, ICH (model 1)							
1-month	28.3 (26.5–30.1)	32.7 (30.5–34.9)	20.1 (19.1–21.1)	19.8 (18.9–20.8)	22.0 (21.1–22.9)	25.3 (24.4–26.3)	0.002
3-month	29.9 (28.1–31.8)	35.2 (33.0–37.4)	23.0 (22.0–24.0)	22.8 (21.8–23.8)	24.5 (23.6–25.5)	28.5 (27.4–29.5)	0.004
1-year	40.2 (38.2–42.2)	41.2 (39.0–43.5)	28.5 (27.4–29.6)	27.9 (26.8–28.9)	37.4 (36.3–38.5)	35.6 (34.5–36.6)	0.054
Adjusted mortality, SAH (model 1)							
1-month	30.9 (28.7–33.1)	31.4 (29.0–33.8)	24.5 (23.2–25.8)	22.3 (21.1–23.6)	22.4 (21.1–23.7)	25.4 (24.1–26.8)	<0.001
3-month	32.1 (29.8–34.4)	32.0 (29.6–34.5)	25.1 (23.8–26.5)	23.8 (22.5–25.1)	23.4 (22.1–24.7)	26.8 (25.4–28.2)	<0.001
1-year	36.9 (34.5–39.2)	33.6 (31.2–36.6)	27.0 (25.6–28.3)	25.6 (24.3–26.9)	27.3 (26.0–28.7)	30.0 (28.6–31.4)	<0.001
Adjusted mortality, any stroke (model 2)							
1-month	14.4 (13.8–15.0)	12.0 (11.5–12.5)	9.8 (9.5–10.1)	9.4 (9.1–9.6)	10.3 (10.0–10.6)	12.1 (11.8–12.4)	0.348
3-month	16.8 (16.2–17.4)	14.6 (14.1–15.2)	12.2 (11.9–12.6)	11.3 (11.0–11.6)	12.1 (11.8–12.4)	15.2 (14.9–15.5)	0.029
1-year	28.4 (27.6–29.2)	23.9 (23.2–24.6)	17.3 (16.9–17.7)	16.6 (16.2–16.9)	21.4 (21.0–21.7)	23.5 (23.1–23.9)	<0.001
Adjusted mortality, ischemic stroke (model 2)							
1-month	9.5 (8.9–10.1)	6.9 (6.4–7.4)	6.1 (5.8–6.4)	5.7 (5.4–6.0)	6.2 (5.9–6.5)	8.5 (8.2–8.9)	<0.001
3-month	12.1 (11.5–12.8)	9.8 (9.1–10.4)	8.6 (8.2–8.9)	7.5 (7.2–7.9)	8.0 (7.7–8.3)	11.8 (11.4–12.1)	<0.001
1-year	24.6 (23.7–25.5)	20.2 (19.4–21.0)	14.0 (13.6–14.4)	13.4 (13.0–13.8)	17.3 (16.9–17.8)	20.5 (20.0–20.9)	<0.001
Adjusted mortality, ICH (model 2)							
1-month	28.0 (26.2–29.8)	32.5 (30.4–34.7)	20.1 (19.1–21.1)	20.0 (19.0–20.9)	22.3 (21.3–23.2)	25.0 (24.1–26.0)	<0.001
3-month	30.0 (28.2–31.8)	35.3 (33.1–37.4)	23.0 (22.0–24.0)	22.8 (21.8–23.8)	24.4 (23.5–25.4)	28.6 (27.5–29.6)	0.013
1-year	41.5 (39.5–43.6)	41.9 (39.6–44.2)	28.5 (27.4–29.6)	27.3 (26.3–28.3)	36.1 (35.1–37.2)	36.9 (35.8–38.0)	0.469
Adjusted mortality, SAH (model 2)							
1-month	29.9 (27.7–32.0)	30.9 (28.5–33.8)	24.5 (23.2–25.8)	22.3 (21.1–23.6)	22.4 (21.1–23.7)	25.4 (24.1–26.8)	<0.001
3-month	31.2 (29.0–33.4)	31.6 (29.2–34.0)	25.2 (23.9–26.6)	24.4 (23.1–25.7)	24.4 (23.1–25.7)	25.5 (24.2–26.9)	<0.001
1-year	36.3 (33.9–38.6)	33.4 (31.0–35.7)	27.0 (25.7–28.3)	25.9 (24.6–27.2)	28.0 (26.6–29.3)	29.2 (27.8–30.6)	<0.001

Values are percent or percent (95% CI). P_{trend} was calculated using the Cochran-Armitage test for crude mortality rates and Poisson regression for adjusted mortality rates across the six assessment rounds. Logistic regression was calculated adjusting for age, sex, stroke severity in model 1; age, sex, stroke severity, and Charlson Comorbidity Index score in model 2.
ICH, intracerebral hemorrhage; SAH, subarachnoid hemorrhage; CI, confidence interval.

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