

## Supplemental Online Content

Kutz A, Koch D, Haubitz S, et al. Association of interprofessional discharge planning using an electronic health record tool with hospital length of stay among patients with multimorbidity: a nonrandomized controlled trial. *JAMA Netw Open*. 2022;5(9):e2233667. doi:10.1001/jamanetworkopen.2022.33667

**eTable.** Crude Estimates of Length of Stay, 30-Day Hospital Readmission, In-Hospital Mortality, and Facility Discharge Among Intervention and Control Hospitals

**eFigure 1.** Timeline and Study Design

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This supplemental material has been provided by the authors to give readers additional information about their work.

**eTable.** Crude Estimates of Length of Stay, 30-Day Hospital Readmission, In-Hospital Mortality, and Facility Discharge Among Intervention and Control Hospitals

Outcomes	Study group	Pre-intervention phase												Intervention phase											
		Feb. 17	Mar. 17	Apr. 17	May 17	Jun. 17	Jul. 17	Aug. 17	Sep. 17	Oct. 17	Nov. 17	Dec. 17	Jan. 18	Feb. 18	Mar. 18	Apr. 18	May 18	Jun. 18	Jul. 18	Aug. 18	Sep. 18	Oct. 18	Nov. 18	Dec. 18	Jan. 19
Hospital length of stay, mean (SD), days	Control	7.7 (7.3)	7.6 (7.6)	7.6 (7.5)	7.6 (7.5)	7.5 (7.5)	7.4 (7.6)	7.5 (7.4)	7.4 (7.3)	7.4 (7.3)	7.5 (7.3)	7.6 (7.7)	7.5 (7.3)	7.5 (7.2)	7.5 (7.1)	7.4 (7.4)	7.4 (7.4)	7.2 (7.1)	7.3 (7.3)	7.3 (7.3)	7.2 (7.2)	7.5 (7.3)	7.4 (7.0)	7.4 (7.3)	7.4 (7.4)
	Intervention	7.7 (7.3)	7.5 (7.4)	7.6 (7.0)	7.6 (7.6)	7.8 (7.6)	7.6 (7.4)	7.7 (6.8)	7.9 (7.5)	7.8 (7.1)	7.5 (6.8)	7.2 (6.3)	7.4 (6.4)	7.5 (7.2)	7.7 (7.3)	7.5 (7.0)	7.5 (7.6)	7.2 (7.1)	7.6 (7.6)	7.1 (6.9)	7.3 (7.1)	7.3 (6.7)	7.3 (6.6)	6.9 (5.8)	6.8 (6.1)
30-day hospital readmission, % (SD)	Control	9.8 (11.7)	10.3 (12.3)	10.0 (12.6)	10.5 (12.6)	10.5 (13.0)	10.1 (12.5)	10.2 (12.4)	10.2 (12.7)	10.4 (12.7)	10.6 (12.9)	11.4 (12.2)	10.0 (11.8)	10.3 (12.5)	10.0 (12.0)	10.0 (12.2)	10.6 (12.3)	10.6 (13.2)	10.5 (12.6)	10.6 (12.7)	10.5 (12.9)	10.5 (12.3)	10.5 (12.7)	11.0 (12.6)	9.8 (12.0)
	Intervention	9.9 (11.2)	10.3 (11.3)	9.1 (12.5)	10.3 (12.3)	10.7 (12.5)	11.3 (13.7)	10.8 (13.3)	10.4 (13.3)	9.7 (11.9)	9.5 (13.2)	10.7 (13.2)	10.2 (11.0)	9.7 (11.3)	9.1 (10.8)	10.5 (13.4)	9.3 (11.6)	10.7 (13.5)	10.5 (13.2)	10.0 (11.5)	10.4 (13.0)	11.2 (12.9)	9.6 (11.6)	10.6 (12.3)	9.4 (12.1)
In-hospital mortality, % (SD)	Control	5.7 (10.9)	5.0 (10.3)	5.3 (10.2)	5.2 (10.0)	4.8 (10.1)	4.8 (9.9)	4.9 (10.6)	5.1 (10.3)	4.9 (10.1)	5.6 (10.6)	5.2 (9.9)	5.4 (10.4)	5.2 (10.2)	5.1 (10.1)	5.1 (10.0)	5.3 (10.2)	4.6 (9.8)	5.0 (10.1)	4.6 (9.7)	5.0 (10.1)	5.0 (9.8)	5.4 (10.4)	5.3 (10.3)	5.4 (10.1)
	Intervention	4.9 (9.4)	4.6 (10.0)	4.9 (11.6)	4.6 (10.3)	4.9 (10.6)	4.0 (8.9)	4.3 (9.9)	5.0 (10.7)	4.4 (10.0)	5.0 (10.9)	5.9 (12.1)	4.6 (10.0)	5.1 (9.3)	4.2 (9.5)	4.9 (11.6)	4.9 (10.0)	5.0 (10.2)	4.3 (8.7)	4.9 (10.2)	4.1 (9.8)	5.5 (11.0)	4.6 (10.2)	5.1 (10.7)	6.0 (12.1)
Facility discharge, % (SD)	Control	18.7 (23.1)	18.5 (23.1)	17.5 (22.9)	18.5 (23.5)	18.0 (22.9)	18.6 (23.7)	18.3 (23.5)	18.2 (23.0)	18.2 (23.1)	17.8 (23.0)	18.1 (22.4)	19.6 (22.7)	19.4 (23.6)	19.3 (23.1)	18.4 (23.1)	18.4 (23.4)	18.3 (23.4)	18.6 (23.2)	18.9 (23.8)	18.4 (23.0)	18.9 (23.3)	18.4 (23.2)	18.5 (22.9)	19.0 (22.8)
	Intervention	21.5 (26.4)	20.4 (25.0)	20.0 (6.2)	19.1 (25.0)	19.1 (24.5)	19.1 (25.5)	21.7 (25.8)	21.3 (26.1)	22.6 (25.8)	19.4 (25.7)	17.6 (24.7)	21.5 (25.7)	20.5 (25.7)	21.6 (24.7)	21.5 (27.2)	19.6 (25.1)	19.8 (26.2)	20.7 (25.6)	19.6 (25.1)	20.5 (26.6)	20.5 (26.1)	19.8 (24.5)	18.8 (25.5)	21.0 (26.0)

SD, standard deviation.

**eFigure 1. Timeline and Study Design**

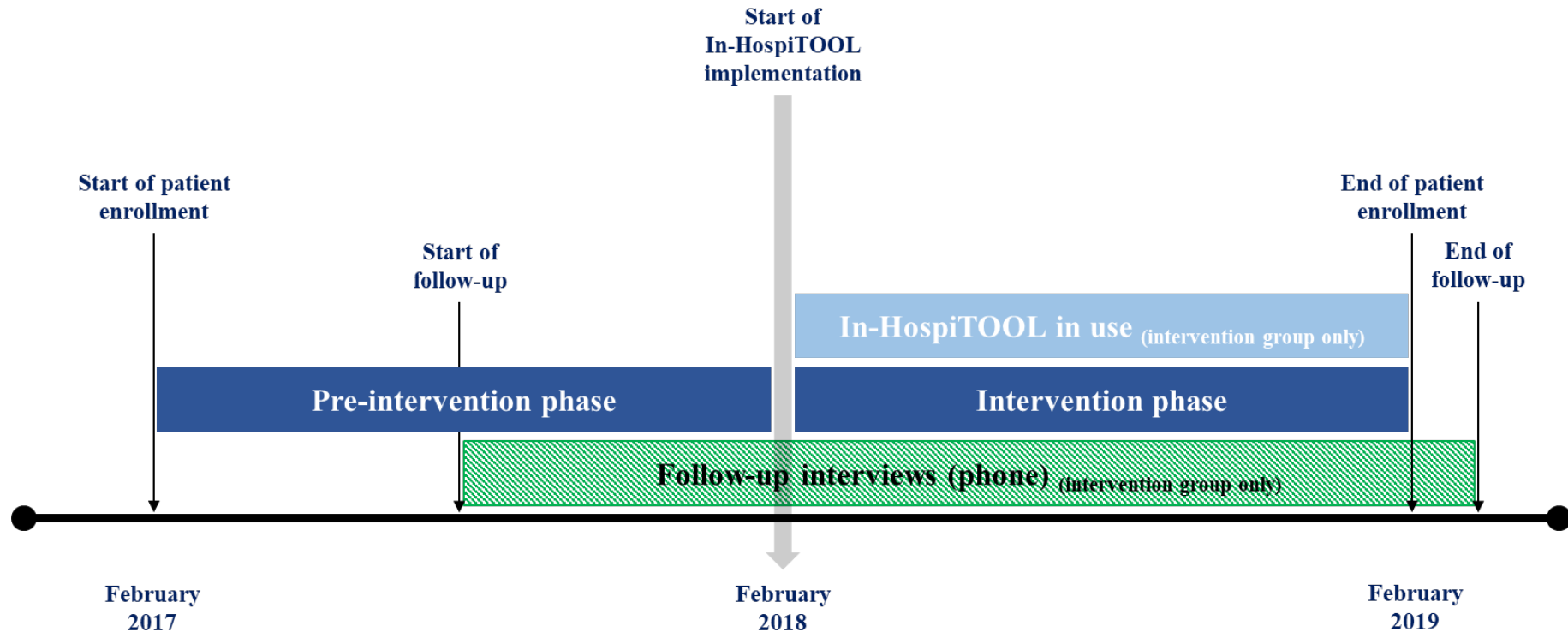
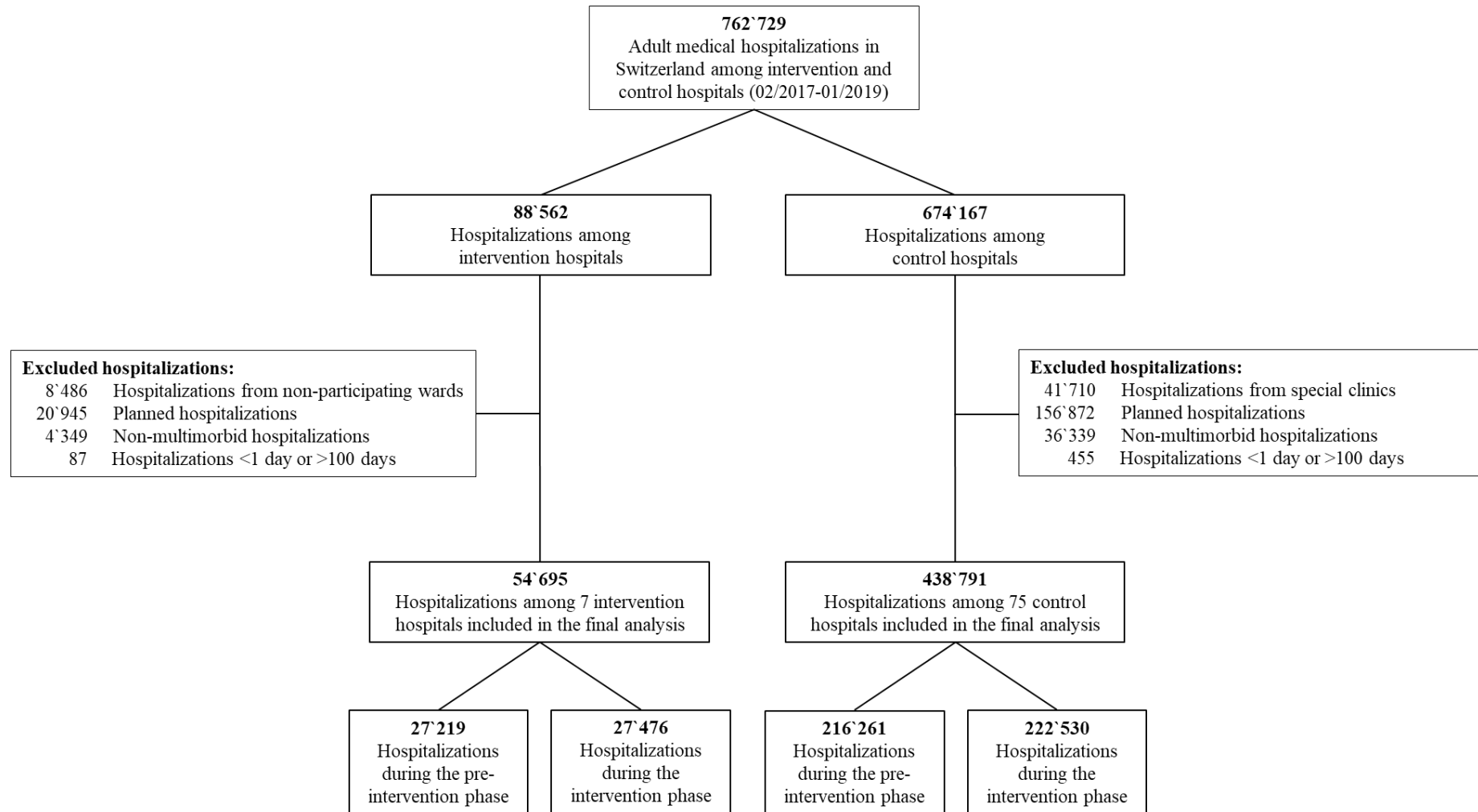
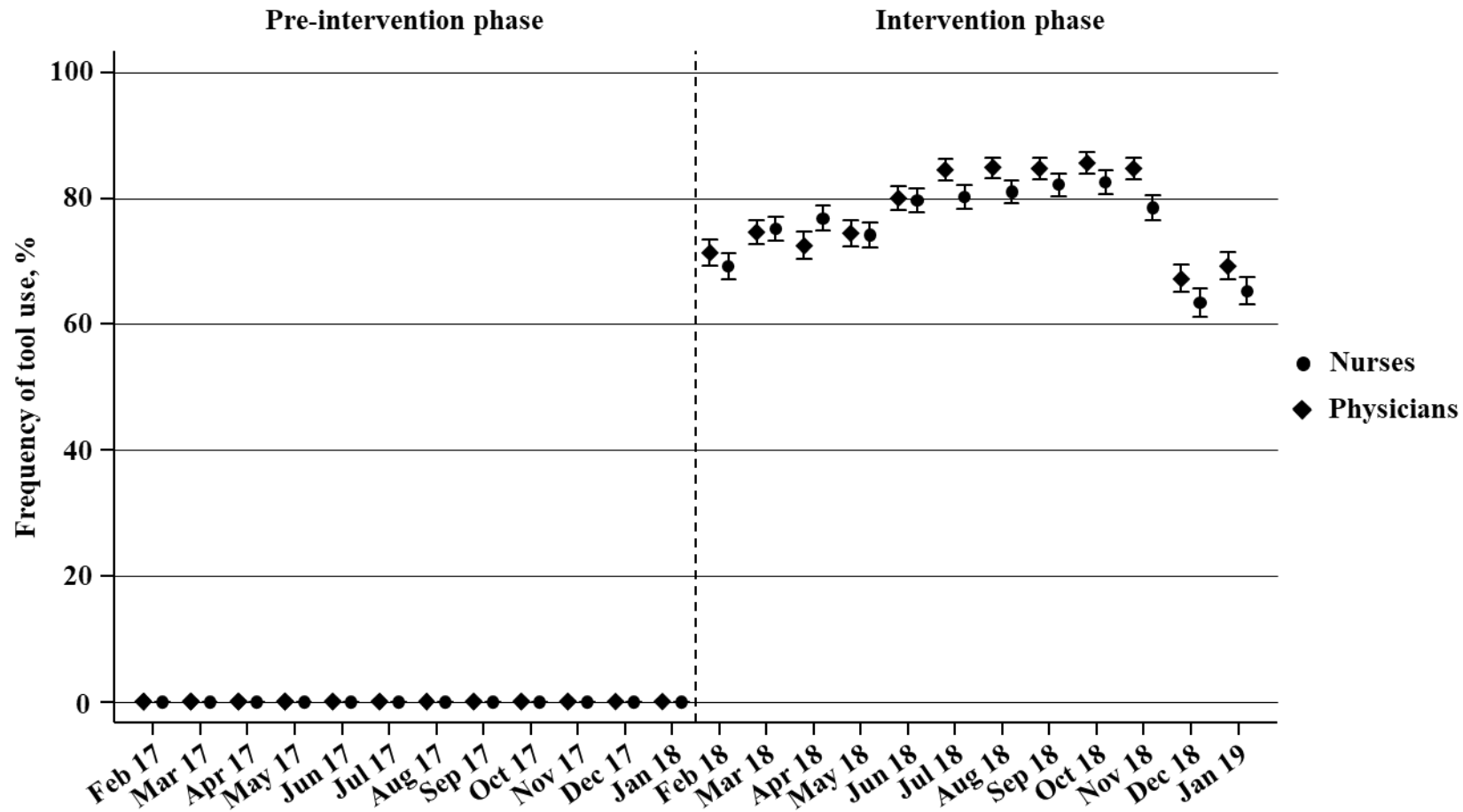


Illustration of the interrupted time series design used in this study. The diagram shows the implementation of an electronic interprofessional-led discharge planning tool (In-HospiTOOL) versus usual care in February 2018 to assess the effect and safety on hospital length of stay, in-hospital mortality, 30-day hospital readmission, and facility discharge. Follow-up phone interviews were performed among intervention hospitals only between August 2017 through end of February 2019.

**eFigure 2. Study Flow Diagram**



eFigure 3. Frequency of Tool Use Among Physicians and Nurses



Frequency of tool use for physicians and nurses among intervention hospitals during the pre-intervention and intervention phase.

