

Supplemental Table 1. Screened, referred, reached, interested, and accepted cessation assistance based on visit records to the emergency department by year and overall

Year/months	2021 Feb-Dec	2022 Jan-Dec	2023 Jan-Dec	2024 Jan-Dec	2025 Jan-May	Annual percentage change (95% CI)	Total
Records	34,544	38,657	38,778	38,843	14,621	--	165,443
Screened for smoking status							
• Current smokers	8,272 (24.0%)	8,298 (21.5%)	7,890 (20.3%)	7,385 (19.0%)	2,598 (17.8%)	-7.0 (-8.0 to -5.9)	34,443 (20.8%)
• Former smokers	7,202 (20.8%)	8,213 (21.2%)	8,001 (20.6%)	8,354 (21.5%)	3,161 (21.6%)	0.9 (-0.3 to 2.1)	34,931 (21.1%)
• Never smokers	17,663 (51.1%)	20,380 (52.7%)	21,265 (54.8%)	21,192 (54.6%)	8,000 (54.7%)	1.7 (-0.7 to 4.1)	88,500 (53.5%)
• Unknown smoking status	1,407 (4.1%)	1,766 (4.6%)	1,912 (4.9%)	862 (5.9%)	862 (5.9%)	10.3 (6.5 to 14.1)	7,569 (4.6%)
Referred - Current smokers eligible for IVR calls	7,104 (85.9%)	7,210 (86.9%)	7,029 (89.1%)	6,695 (90.7%)	2,336 (89.9%)	1.3 (-0.1 to 2.9)	30,374 (88.2%)
Reached - IVR eligible patients who answered the IVR call	1,259 (18.0%)	1,215 (17.1%)	1,196 (17.3%)	1,081 (16.5%)	377 (16.7%)	-1.8 (-3.1 to -0.6)	5,128 (16.9%)
Interested - Answered IVR call and had interest receiving cessation assistance	1,072 (85.1%)	1,017 (83.7%)	979 (81.9%)	890 (82.3%)	304 (80.6%)	-1.2 (-1.9 to -0.6)	4,262 (83.1%)
Accepted cessation assistance - Interested in assistance, and accepted the SCTQ* referral	276 (25.7%)	230 (22.6%)	222 (22.7%)	198 (22.2%)	83 (27.3%)	1.0 (-7.7 to 10.5)	1,009 (23.7%)

*SCTQ stands for South Carolina Tobacco Quitline

Bold indicates statistically significant time trend at $p < 0.05$

Supplemental Table 2. Screened, referred, reached, interested, and accepted cessation assistance based on unique patients *first* visit to the emergency department by year and overall

	2021	2022	2023	2024	2025	Annual percentage change (95% CI)	Total
Year/months	Feb-Dec	Jan-Dec	Jan-Dec	Jan-Dec	Jan-May		
Patients	22,828	20,079	18,612	17,466	6,215	--	85,200
Screened for smoking status							
• Current smokers	4,854 (21.3%)	3,638 (18.1%)	3,073 (16.5%)	2,587 (14.8%)	854 (13.7%)	-10.3 (-13.0 to -7.5)	15,006 (17.6%)
• Former smokers	4,420 (19.4%)	3,671 (18.3%)	3,171 (17.0%)	2,864 (16.4%)	1,070 (17.2%)	-3.4 (-9.8 to 3.3)	15,199 (17.8%)
• Never smokers	12,208 (53.5%)	11,229 (55.9%)	10,880 (58.5%)	10,299 (59.0%)	3,530 (56.8%)	1.8 (-2.7 to 6.4)	48,146 (56.5%)
• Unknown smoking status	1,346 (5.9%)	1,541 (7.7%)	1,488 (8.0%)	1,713 (9.8%)	761 (12.2%)	18.5 (10.8 to 26.5)	6,849 (8.0%)
Referred - Current smokers eligible for IVR calls	4,275 (88.1%)	3,180 (87.4%)	2,724 (88.6%)	2,343 (90.6%)	775 (90.7%)	0.9 (-0.5 to 2.5)	13,297 (88.6%)
Reached - IVR eligible patients who answered the IVR call	1,154 (27.0%)	889 (28.0%)	806 (29.6%)	687 (29.3%)	233 (30.1%)	2.7 (1.5 to 3.9)	3,769 (28.3%)
Interested - Answered IVR call and had interest receiving cessation assistance	995 (86.2%)	753 (84.7%)	667 (82.7%)	578 (84.1%)	189 (81.1%)	-1.3 (-2.2 to -0.4)	3,182 (84.4%)
Accepted cessation assistance - Interested in assistance, and accepted the SCTQ* referral	260 (26.1%)	162 (21.5%)	131 (19.6%)	102 (17.6%)	47 (24.9%)	-2.9 (-25.0 to 25.7)	702 (22.1%)

*SCTQ stands for South Carolina Tobacco Quitline

Bold indicates statistically significant time trend a p<0.05