

Burdens of type 2 diabetes and cardiovascular disease burdens to sugar-sweetened beverages in 184 countries

Supplementary Data 1 | Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally.

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
World	T2D Incidence	8.5 (8.0-9.1)	9.8 (9.1-10.5)	599917 (564278-643483)	2158238 (2008314-2318849)	198 (186-212)	418 (389-449)
	CVD Incidence	3.2 (3.0-3.5)	3.1 (2.8-3.4)	633677 (587074-692613)	1189005 (1080582-1305312)	209 (193-228)	230 (209-253)
	T2D DALYs	6.3 (5.9-6.8)	6.9 (6.4-7.4)	1554698 (1453959-1663292)	4979168 (4572262-5360995)	512 (479-548)	965 (886-1039)
	CVD DALYs	3.2 (3.0-3.5)	3.0 (2.7-3.3)	5206832 (4857773-5622155)	7556681 (6872717-8264576)	1715 (1600-1852)	1464 (1332-1601)
	T2D Deaths	4.9 (4.6-5.4)	5.1 (4.6-5.7)	30757 (28375-33416)	80278 (72298-88825)	10.1 (9.3-11.0)	15.6 (14.0-17.2)
	CVD Deaths	2.4 (2.2-2.6)	2.1 (1.9-2.3)	180525 (167598-196616)	257961 (235059-283708)	59.5 (55.2-64.8)	50.0 (45.5-55.0)
World region							
Centr/Eastern Europe and Centr Asia [†]	T2D Incidence	5.5 (4.7-6.5)	7.0 (5.9-8.5)	31094 (26620-36900)	83449 (70404-101281)	112 (95.8-133)	266 (225-323)
	CVD Incidence	1.9 (1.6-2.3)	2.4 (2.0-3.1)	67985 (57795-83879)	109322 (91102-140562)	245 (208-302)	349 (291-449)
	T2D DALYs	3.5 (3.0-4.2)	4.0 (3.4-5.0)	58583 (50663-70571)	161486 (136692-203447)	211 (182-254)	515 (436-649)
	CVD DALYs	1.9 (1.7-2.4)	2.2 (1.9-2.8)	720560 (615284-889132)	771656 (650105-985109)	2594 (2215-3201)	2463 (2075-3144)
	T2D Deaths	2.7 (2.3-3.3)	2.7 (2.2-3.5)	856 (723-1046)	2332 (1917-3010)	3.1 (2.6-3.8)	7.4 (6.1-9.6)
	CVD Deaths	1.4 (1.2-1.7)	1.6 (1.3-2.0)	26514 (22358-32929)	30858 (25597-39644)	95.5 (80.5-119)	98.5 (81.7-127)
High-Income Countries	T2D Incidence	13.4 (12.2-15.9)	13.2 (12.0-16.2)	159062 (144574-190429)	451454 (407755-558029)	321 (292-385)	707 (638-874)
	CVD Incidence	4.7 (4.3-5.6)	3.8 (3.5-4.5)	202021 (184028-243570)	141530 (129782-168424)	408 (372-492)	222 (203-264)
	T2D DALYs	7.2 (6.6-8.6)	7.8 (7.2-10.0)	301134 (277331-362342)	691616 (630770-877072)	608 (560-732)	1083 (987-1373)
	CVD DALYs	4.4 (4.0-5.2)	4.0 (3.7-5.2)	1568574 (1440152-1879375)	947477 (862515-1219794)	3168 (2908-3795)	1483 (1350-1909)
	T2D Deaths	4.4 (4.0-5.2)	4.1 (3.8-5.4)	5852 (5401-6981)	6891 (6329-9130)	11.8 (10.9-14.1)	10.8 (9.9-14.3)
	CVD Deaths	3.0 (2.7-3.6)	2.5 (2.3-3.1)	60682 (55965-72883)	36354 (33363-45398)	123 (113-147)	56.9 (52.2-71.1)
Latin Amer/Caribbean	T2D Incidence	27.6 (25.3-30.0)	24.4 (22.2-26.9)	201223 (184517-220198)	556705 (505038-616752)	862 (790-943)	1263 (1146-1400)
	CVD Incidence	12.5 (11.2-13.8)	11.3 (10.1-12.8)	121084 (108761-134341)	230175 (205066-261490)	519 (466-575)	522 (465-593)
	T2D DALYs	19.5 (17.8-21.5)	16.9 (15.2-19.0)	613276 (561148-677908)	1526144 (1376506-1723419)	2627 (2404-2904)	3463 (3124-3911)
	CVD DALYs	12.0 (10.7-13.4)	10.4 (9.2-11.8)	1128340 (1006767-1258213)	1489719 (1323356-1686540)	4833 (4312-5389)	3381 (3003-3827)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Mid. East/North Africa	T2D Deaths	14.6 (13.1-16.4)	12.0 (10.6-13.8)	12286 (11025-13805)	26627 (23506-30759)	52.6 (47.2-59.1)	60.4 (53.3-69.8)
	CVD Deaths	8.8 (7.7-9.9)	7.5 (6.6-8.7)	37774 (33157-42583)	52641 (46121-60879)	162 (142-182)	119 (105-138)
	T2D Incidence	14.1 (12.0-16.1)	15.0 (12.6-17.3)	51594 (44053-59282)	345790 (290801-401372)	350 (299-402)	1001 (841-1161)
	CVD Incidence	6.7 (5.5-8.0)	6.9 (5.7-8.3)	107896 (88516-129118)	281762 (232813-338630)	732 (601-876)	815 (674-980)
	T2D DALYs	9.5 (8.0-11.1)	10.0 (8.4-11.7)	116407 (97557-136529)	562030 (471824-659650)	790 (662-927)	1626 (1365-1909)
	CVD DALYs	6.9 (5.7-8.2)	6.8 (5.6-8.2)	760078 (625969-905438)	1413739 (1163755-1715848)	5159 (4248-6145)	4090 (3367-4965)
South Asia [†]	T2D Deaths	7.2 (5.9-8.6)	6.4 (5.3-7.8)	2268 (1870-2740)	6862 (5685-8340)	15.4 (12.7-18.6)	19.9 (16.4-24.1)
	CVD Deaths	5.4 (4.4-6.4)	5.1 (4.1-6.2)	24501 (20077-29571)	47126 (38125-57643)	166 (136-201)	136 (110-167)
	T2D Incidence	2.6 (1.7-3.8)	3.7 (2.6-5.3)	31458 (21613-46151)	174141 (121624-249954)	54.5 (37.4-80.0)	149 (104-213)
	CVD Incidence	0.9 (0.6-1.5)	1.2 (0.7-1.9)	35110 (21228-57660)	105345 (66757-170331)	60.8 (36.8-99.9)	89.9 (57.0-145)
	T2D DALYs	1.9 (1.2-2.9)	2.4 (1.6-3.5)	86672 (56371-131786)	400335 (269653-590095)	150 (97.7-228)	342 (230-504)
	CVD DALYs	0.9 (0.6-1.5)	1.3 (0.8-2.0)	234933 (150385-376504)	765481 (495643-1195890)	407 (261-652)	654 (423-1021)
Southeast and East Asia	T2D Deaths	1.5 (0.9-2.3)	1.5 (1.0-2.4)	1711 (1074-2673)	6462 (4147-10043)	3.0 (1.9-4.6)	5.5 (3.5-8.6)
	CVD Deaths	0.8 (0.5-1.2)	0.9 (0.6-1.5)	7155 (4532-11467)	22988 (14609-36191)	12.4 (7.9-19.9)	19.6 (12.5-30.9)
	T2D Incidence	2.7 (2.3-3.6)	3.1 (2.7-3.8)	68772 (60514-91805)	204091 (177885-248905)	63.5 (55.8-84.7)	119 (103-145)
	CVD Incidence	0.7 (0.7-0.9)	0.6 (0.6-0.8)	31379 (27877-39587)	80602 (70517-98202)	29.0 (25.7-36.5)	46.8 (41.0-57.1)
	T2D DALYs	1.8 (1.6-2.1)	2.1 (1.9-2.6)	128922 (115733-154190)	448068 (389905-551487)	119 (107-142)	260 (227-321)
	CVD DALYs	0.9 (0.8-1.1)	0.9 (0.8-1.1)	328631 (293254-397865)	731868 (639732-882808)	303 (271-367)	425 (372-513)
Sub-Saharan Africa	T2D Deaths	1.3 (1.1-1.5)	1.7 (1.5-2.2)	1905 (1712-2244)	6502 (5535-8157)	1.8 (1.6-2.1)	3.8 (3.2-4.7)
	CVD Deaths	0.6 (0.5-0.7)	0.5 (0.5-0.6)	9520 (8567-11246)	22265 (19581-26455)	8.8 (7.9-10.4)	12.9 (11.4-15.4)
	T2D Incidence	12.7 (10.5-15.1)	21.5 (17.6-26.0)	47831 (39705-56884)	312721 (256225-377773)	216 (180-257)	589 (483-712)
	CVD Incidence	6.1 (4.8-7.7)	10.5 (8.1-13.3)	62602 (49181-78498)	228979 (176841-289189)	283 (222-355)	432 (333-545)
	T2D DALYs	9.7 (7.9-12.0)	16.9 (13.4-20.9)	230675 (187465-283545)	1117722 (884731-1383622)	1043 (848-1282)	2106 (1667-2608)
	CVD DALYs	6.1 (4.9-7.7)	9.8 (7.5-12.5)	422713 (332816-532091)	1349061 (1043299-1724982)	1912 (1505-2407)	2542 (1966-3251)
Country	T2D Deaths	7.5 (5.9-9.6)	13.0 (10.0-16.8)	5524 (4334-7073)	23623 (18046-30566)	25.0 (19.6-32.0)	44.5 (34.0-57.6)
	CVD Deaths	4.6 (3.5-5.9)	7.4 (5.5-9.9)	12959 (9807-16838)	42946 (31784-57085)	58.6 (44.4-76.2)	80.9 (59.9-108)
	T2D Incidence	0.5 (0.2-1.7)	8.8 (4.4-17.0)	107 (48.3-326)	9942 (4995-19045)	21.0 (9.4-63.9)	552 (277-1057)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Albania	CVD Incidence	0.2 (0.1-0.5)	3.3 (1.5-7.1)	180 (83.7-431)	3474 (1588-7555)	35.2 (16.4-84.5)	193 (88.1-419)
	T2D DALYs	0.4 (0.2-1.0)	6.4 (3.1-12.8)	280 (131-712)	14434 (7015-28826)	54.8 (25.7-139)	801 (389-1600)
	CVD DALYs	0.2 (0.1-0.5)	3.3 (1.6-7.3)	1578 (736-3910)	27581 (12833-61132)	309 (144-766)	1531 (712-3393)
	T2D Deaths	0.3 (0.1-0.8)	4.4 (2.1-9.6)	5.2 (2.4-12.6)	145 (67.3-315)	1.0 (0.5-2.5)	8.1 (3.7-17.5)
	CVD Deaths	0.2 (0.1-0.4)	2.5 (1.1-5.4)	51.9 (23.4-126)	769 (361-1684)	10.2 (4.6-24.6)	42.7 (20.0-93.5)
	T2D Incidence	4.5 (3.0-7.3)	51.9 (42.6-60.6)	146 (97.6-235)	3405 (2790-3987)	77.2 (51.6-124)	1560 (1279-1827)
	CVD Incidence	2.0 (1.3-3.3)	26.5 (19.7-33.9)	162 (108-268)	4268 (3186-5569)	86.0 (57.2-142)	1956 (1460-2552)
	T2D DALYs	2.7 (1.8-4.6)	39.1 (30.2-48.1)	168 (112-290)	6335 (4911-7850)	89.1 (59.4-154)	2903 (2250-3597)
	CVD DALYs	1.7 (1.1-2.8)	23.2 (17.1-29.9)	1286 (863-2160)	31210 (22910-40626)	681 (457-1144)	14302 (10499-18617)
	T2D Deaths	1.7 (1.1-3.0)	27.8 (20.3-36.7)	1.4 (1.0-2.6)	55.3 (39.8-73.7)	0.8 (0.5-1.4)	25.4 (18.3-33.8)
Algeria	CVD Deaths	1.2 (0.8-2.0)	18.1 (13.1-24.4)	44.5 (30.3-74.8)	1473 (1054-1998)	23.5 (16.0-39.6)	675 (483-916)
	T2D Incidence	19.2 (13.1-27.7)	19.6 (13.3-28.5)	5982 (4050-8700)	37770 (25507-54441)	511 (346-742)	1376 (929-1984)
	CVD Incidence	9.6 (6.2-14.6)	9.6 (6.2-14.6)	13344 (8641-20288)	31863 (20324-48095)	1139 (737-1731)	1161 (741-1753)
	T2D DALYs	14.2 (9.5-20.9)	14.5 (9.5-21.3)	9385 (6300-13756)	57488 (37520-84027)	801 (538-1174)	2095 (1367-3062)
	CVD DALYs	10.1 (6.8-15.1)	8.6 (5.6-12.8)	75177 (50145-112244)	121917 (79221-181418)	6416 (4280-9579)	4443 (2887-6611)
	T2D Deaths	10.6 (6.9-16.2)	9.8 (6.3-14.7)	116 (76.1-177)	502 (326-763)	9.9 (6.5-15.1)	18.3 (11.9-27.8)
	CVD Deaths	7.8 (5.1-11.9)	6.3 (4.1-9.5)	2516 (1642-3840)	4468 (2902-6754)	215 (140-328)	163 (106-246)
	T2D Incidence	13.8 (9.6-20.2)	26.6 (18.6-36.1)	1362 (936-1971)	13389 (9413-18239)	275 (189-398)	951 (668-1295)
	CVD Incidence	6.7 (4.4-10.4)	12.8 (8.3-18.7)	1240 (808-1931)	6283 (4108-9233)	251 (163-390)	446 (292-656)
	T2D DALYs	11.0 (7.2-16.4)	20.7 (14.2-28.9)	6436 (4254-9653)	42172 (28640-58589)	1301 (860-1951)	2994 (2033-4160)
Angola	CVD DALYs	6.5 (4.2-10.3)	11.9 (7.8-17.5)	9060 (5799-14414)	44560 (29004-66361)	1831 (1172-2914)	3164 (2059-4711)
	T2D Deaths	8.9 (5.7-13.9)	15.9 (10.4-23.2)	141 (89.9-217)	720 (479-1036)	28.5 (18.2-43.8)	51.2 (34.0-73.6)
	CVD Deaths	5.3 (3.4-8.8)	9.5 (6.0-14.5)	278 (177-464)	1399 (868-2155)	56.3 (35.7-93.8)	99.3 (61.6-153)
	T2D Incidence	27.3 (19.0-37.7)	30.9 (21.6-42.5)	44.4 (31.3-61.9)	173 (123-240)	1179 (829-1642)	2497 (1775-3456)
	CVD Incidence	11.9 (7.9-17.3)	15.6 (10.6-23.0)	29.3 (19.6-43.2)	71.1 (47.2-103)	779 (520-1146)	1023 (679-1487)
	T2D DALYs	17.1 (11.5-24.6)	21.5 (14.8-30.6)	174 (117-250)	462 (315-661)	4617 (3107-6626)	6653 (4539-9517)
	CVD DALYs	10.7 (7.2-15.8)	12.2 (8.2-17.8)	203 (136-299)	218 (147-316)	5384 (3617-7942)	3131 (2119-4553)
Antigua and Barbuda							

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Argentina	T2D Deaths	12.5 (8.3-18.5)	15.2 (10.2-22.1)	4.5 (3.0-6.7)	8.0 (5.3-11.6)	121 (79.1-179)	115 (75.9-167)
	CVD Deaths	7.6 (5.1-11.5)	8.8 (5.8-13.2)	8.1 (5.4-12.1)	8.5 (5.6-12.6)	215 (142-322)	122 (79.9-181)
	T2D Incidence	12.2 (9.6-16.2)	18.8 (15.0-24.2)	6473 (5046-8566)	26742 (21381-34101)	328 (255-433)	874 (698-1114)
	CVD Incidence	5.5 (4.3-7.9)	8.3 (6.6-11.5)	7660 (5984-10941)	13453 (10527-18604)	388 (303-554)	439 (344-608)
	T2D DALYs	7.9 (6.3-11.1)	12.1 (9.7-16.2)	17285 (13775-24099)	49554 (39986-66302)	875 (697-1219)	1619 (1306-2166)
	CVD DALYs	5.6 (4.4-7.9)	7.6 (6.0-10.5)	68763 (54011-97417)	70138 (55717-97054)	3479 (2733-4929)	2291 (1820-3170)
Armenia	T2D Deaths	6.1 (4.9-8.9)	8.7 (7.0-12.3)	433 (349-634)	850 (679-1191)	21.9 (17.7-32.1)	27.8 (22.2-38.9)
	CVD Deaths	4.0 (3.2-5.8)	5.4 (4.3-7.5)	2518 (1992-3614)	2676 (2133-3750)	127 (101-183)	87.4 (69.7-123)
	T2D Incidence	1.8 (1.2-3.7)	5.5 (3.4-8.9)	89.2 (55.5-180)	474 (306-776)	40.6 (25.3-82.1)	218 (141-357)
	CVD Incidence	0.7 (0.4-1.2)	1.9 (1.2-3.4)	134 (86.4-234)	529 (344-955)	60.9 (39.3-107)	243 (158-439)
	T2D DALYs	1.1 (0.7-2.0)	3.2 (2.1-5.6)	209 (132-371)	950 (613-1703)	95.2 (60.3-169)	437 (282-783)
	CVD DALYs	0.7 (0.5-1.4)	1.8 (1.2-3.2)	1295 (825-2449)	3641 (2382-6560)	590 (376-1115)	1674 (1095-3015)
Australia	T2D Deaths	0.9 (0.6-1.5)	2.2 (1.4-4.1)	3.9 (2.5-6.8)	13.8 (9.0-25.0)	1.8 (1.2-3.1)	6.3 (4.1-11.5)
	CVD Deaths	0.5 (0.3-0.9)	1.3 (0.8-2.3)	44.9 (28.9-78.6)	145 (94.1-262)	20.4 (13.2-35.8)	66.8 (43.3-121)
	T2D Incidence	13.9 (10.9-18.5)	9.9 (7.8-14.6)	2729 (2126-3611)	6013 (4675-8865)	231 (180-305)	315 (245-465)
	CVD Incidence	5.5 (4.3-8.0)	3.7 (2.8-5.8)	4592 (3580-6588)	4080 (3129-6360)	388 (303-557)	214 (164-334)
	T2D DALYs	7.8 (6.2-11.6)	5.5 (4.3-8.6)	5316 (4171-7842)	9245 (7172-14353)	449 (353-663)	485 (376-753)
	CVD DALYs	5.1 (4.0-7.7)	3.1 (2.4-4.8)	38336 (29894-57332)	14096 (10980-21496)	3241 (2528-4848)	740 (576-1128)
Austria	T2D Deaths	5.1 (4.0-8.2)	3.0 (2.4-4.6)	109 (84.9-172)	122 (95.6-185)	9.2 (7.2-14.5)	6.4 (5.0-9.7)
	CVD Deaths	3.6 (2.8-5.4)	1.9 (1.5-2.7)	1482 (1145-2216)	543 (424-768)	125 (96.8-187)	28.5 (22.2-40.3)
	T2D Incidence	8.2 (6.7-10.5)	8.7 (7.1-11.3)	612 (500-791)	1478 (1206-1952)	104 (84.7-134)	204 (166-269)
	CVD Incidence	2.8 (2.3-3.8)	2.6 (2.2-3.7)	1086 (900-1485)	1307 (1075-1863)	184 (152-252)	180 (148-257)
	T2D DALYs	4.4 (3.7-6.0)	4.4 (3.7-5.9)	1831 (1531-2492)	2754 (2299-3694)	310 (259-422)	380 (317-509)
	CVD DALYs	2.8 (2.3-3.9)	2.2 (1.8-3.2)	13596 (11330-18980)	6472 (5393-9454)	2303 (1920-3216)	892 (743-1303)
Azerbaijan	T2D Deaths	2.9 (2.4-4.1)	2.2 (1.8-3.1)	51.1 (42.4-71.2)	45.6 (38.2-65.0)	8.7 (7.2-12.1)	6.3 (5.3-9.0)
	CVD Deaths	2.0 (1.6-2.7)	1.5 (1.2-2.0)	558 (468-764)	291 (243-397)	94.5 (79.3-129)	40.1 (33.5-54.8)
	T2D Incidence	3.3 (2.2-5.6)	4.9 (3.3-7.9)	193 (127-335)	1325 (884-2145)	46.3 (30.4-80.5)	186 (124-301)
	CVD Incidence	1.1 (0.8-2.0)	1.7 (1.2-2.8)	398 (270-687)	1341 (925-2304)	95.7 (65.0-165)	188 (130-324)
	T2D DALYs	1.9 (1.3-3.3)	3.0 (2.0-5.1)	435 (290-787)	2560 (1761-4309)	105 (69.8-189)	360 (247-605)
	CVD DALYs	1.3 (0.9-2.4)	1.8 (1.2-3.0)	5149 (3510-9308)	10083 (6995-17052)	1237 (843-2236)	1417 (983-2396)
Bahamas, The	T2D Deaths	1.4 (1.0-2.7)	2.2 (1.5-3.9)	7.5 (5.1-13.9)	35.7 (24.6-65.8)	1.8 (1.2-3.3)	5.0 (3.5-9.2)
	CVD Deaths	0.9 (0.6-1.7)	1.3 (0.9-2.2)	161 (110-283)	354 (244-596)	38.7 (26.4-68.0)	49.7 (34.3-83.7)
	T2D Incidence	56.7 (42.8-69.8)	21.7 (14.1-31.4)	311 (235-384)	428 (281-623)	2129 (1605-2627)	1551 (1019-2258)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Bahrain	CVD Incidence	30.8 (21.6-41.8)	10.2 (6.4-15.7)	218 (152-298)	185 (115-285)	1495 (1043-2040)	671 (418-1032)
	T2D DALYs	42.7 (30.4-55.7)	15.5 (9.8-23.2)	1104 (780-1436)	1079 (684-1587)	7551 (5337-9822)	3911 (2482-5754)
	CVD DALYs	31.6 (22.0-42.6)	9.8 (6.0-14.9)	1792 (1252-2406)	811 (503-1242)	12260 (8563-16461)	2939 (1822-4502)
	T2D Deaths	34.0 (23.3-46.5)	11.1 (7.0-17.0)	23.9 (16.2-32.8)	14.8 (9.3-22.7)	164 (111-224)	53.7 (33.7-82.4)
	CVD Deaths	24.4 (16.6-33.8)	7.1 (4.4-10.9)	58.3 (39.7-81.2)	26.4 (16.6-40.2)	399 (272-555)	95.7 (60.2-146)
	T2D Incidence	16.0 (10.9-23.0)	18.6 (12.5-27.3)	194 (130-280)	2333 (1577-3450)	655 (440-945)	1793 (1212-2650)
	CVD Incidence	9.4 (6.3-14.4)	11.4 (7.5-17.5)	191 (126-293)	1119 (732-1731)	644 (425-987)	860 (563-1330)
	T2D DALYs	11.5 (7.8-16.9)	14.5 (9.8-20.9)	501 (341-745)	4193 (2796-6048)	1692 (1152-2512)	3221 (2148-4647)
	CVD DALYs	9.3 (6.3-14.1)	11.1 (7.3-16.2)	1390 (928-2089)	2910 (1923-4232)	4690 (3132-7049)	2236 (1478-3251)
	T2D Deaths	9.1 (6.2-13.7)	10.8 (7.6-16.2)	11.5 (7.7-17.5)	66.9 (46.1-101)	38.7 (26.1-59.2)	51.4 (35.4-77.3)
Bangladesh	CVD Deaths	7.5 (5.0-11.3)	8.7 (5.8-12.7)	41.4 (27.8-62.5)	83.9 (55.9-123)	140 (93.7-211)	64.4 (43.0-94.9)
	T2D Incidence	0.8 (0.5-1.6)	1.0 (0.6-2.2)	792 (507-1582)	4524 (2782-9627)	16.3 (10.4-32.6)	43.1 (26.5-91.7)
	CVD Incidence	0.3 (0.2-0.5)	0.4 (0.2-0.7)	751 (495-1318)	2720 (1710-5135)	15.5 (10.2-27.2)	25.9 (16.3-48.9)
	T2D DALYs	0.5 (0.3-1.0)	0.6 (0.4-1.3)	1986 (1248-3710)	9437 (5771-18249)	41.0 (25.7-76.5)	89.8 (54.9-174)
	CVD DALYs	0.3 (0.2-0.5)	0.4 (0.2-0.7)	6062 (3938-10964)	16168 (10195-30245)	125 (81.2-226)	154 (97.1-288)
	T2D Deaths	0.3 (0.2-0.6)	0.4 (0.2-0.7)	38.1 (24.6-69.4)	134 (82.9-251)	0.8 (0.5-1.4)	1.3 (0.8-2.4)
Barbados	CVD Deaths	0.2 (0.1-0.4)	0.3 (0.2-0.5)	179 (118-304)	532 (332-936)	3.7 (2.4-6.3)	5.1 (3.2-8.9)
	T2D Incidence	32.5 (26.2-39.8)	41.3 (33.7-49.8)	271 (217-334)	814 (664-987)	1568 (1253-1931)	3695 (3014-4482)
	CVD Incidence	15.2 (11.8-19.2)	20.7 (16.0-25.8)	200 (154-254)	461 (357-581)	1157 (893-1468)	2094 (1621-2639)
	T2D DALYs	21.4 (16.7-26.9)	28.7 (22.8-35.2)	1250 (976-1571)	2877 (2283-3524)	7225 (5641-9086)	13064 (10366-16000)
	CVD DALYs	12.6 (9.7-16.0)	16.0 (12.2-20.0)	1243 (949-1580)	1506 (1156-1892)	7186 (5487-9136)	6837 (5249-8592)
	T2D Deaths	16.2 (12.4-21.0)	20.4 (15.8-26.0)	36.6 (27.9-47.8)	62.4 (48.5-79.3)	212 (161-276)	284 (220-360)
Belarus	CVD Deaths	9.2 (6.9-12.0)	11.8 (9.0-15.2)	54.4 (41.0-71.3)	64.8 (48.9-83.0)	314 (237-412)	294 (222-377)
	T2D Incidence	7.3 (4.9-11.0)	4.1 (2.8-6.7)	707 (468-1058)	668 (444-1089)	99.5 (66.0-149)	90.6 (60.2-148)
	CVD Incidence	2.3 (1.6-3.7)	1.3 (0.9-2.1)	2267 (1566-3572)	1570 (1078-2613)	319 (220-503)	213 (146-354)
	T2D DALYs	4.3 (2.9-6.6)	2.5 (1.7-4.3)	1218 (814-1912)	1136 (763-1971)	172 (115-269)	154 (103-267)
	CVD DALYs	2.5 (1.7-4.0)	1.3 (0.9-2.2)	25123 (17106-40025)	16481 (11271-27611)	3538 (2409-5637)	2234 (1528-3743)
	T2D Deaths	3.2 (2.1-5.4)	1.6 (1.1-2.9)	15.5 (10.4-25.8)	10.8 (7.4-18.6)	2.2 (1.5-3.6)	1.5 (1.0-2.5)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Belgium	CVD Deaths	1.8 (1.2-2.8)	1.0 (0.7-1.6)	946 (649-1471)	672 (454-1103)	133 (91.4-207)	91.1 (61.6-150)
	T2D Incidence	15.1 (12.7-19.1)	16.6 (14.0-20.8)	2205 (1839-2792)	5070 (4239-6390)	292 (244-370)	565 (472-712)
	CVD Incidence	5.4 (4.6-8.0)	5.0 (4.2-7.1)	3406 (2859-5006)	2554 (2136-3722)	451 (379-663)	285 (238-415)
	T2D DALYs	8.3 (7.1-11.1)	9.7 (8.2-12.9)	4579 (3892-6145)	8518 (7220-11313)	607 (516-814)	949 (804-1261)
	CVD DALYs	4.8 (4.1-7.1)	3.9 (3.3-5.6)	24777 (21053-36707)	9699 (8301-14168)	3282 (2789-4863)	1081 (925-1579)
	T2D Deaths	4.4 (3.8-6.3)	3.9 (3.4-5.5)	78.6 (68.1-113)	57.7 (49.7-80.9)	10.4 (9.0-14.9)	6.4 (5.5-9.0)
Belize	CVD Deaths	3.3 (2.8-4.9)	2.6 (2.2-3.6)	989 (852-1479)	425 (365-589)	131 (113-196)	47.3 (40.7-65.7)
	T2D Incidence	21.1 (14.5-29.5)	30.4 (21.7-41.4)	53.7 (36.9-75.9)	454 (323-621)	632 (434-892)	1878 (1338-2569)
	CVD Incidence	9.8 (6.6-14.3)	14.9 (10.1-21.4)	38.1 (25.7-55.7)	185 (126-266)	447 (302-655)	764 (521-1100)
	T2D DALYs	14.1 (9.5-20.1)	21.4 (14.7-29.7)	194 (132-278)	1294 (886-1809)	2277 (1553-3272)	5356 (3666-7486)
	CVD DALYs	9.4 (6.3-13.7)	13.1 (9.0-18.8)	263 (177-384)	648 (446-929)	3089 (2079-4518)	2681 (1845-3844)
	T2D Deaths	10.3 (6.8-15.0)	15.7 (10.7-22.4)	4.4 (3.0-6.5)	22.8 (15.6-32.6)	52.3 (34.8-76.3)	94.4 (64.5-135)
Benin	CVD Deaths	6.6 (4.5-10.1)	9.3 (6.3-13.6)	9.0 (6.0-13.7)	21.4 (14.4-31.4)	106 (71.0-161)	88.4 (59.8-130)
	T2D Incidence	14.1 (9.0-21.6)	25.1 (17.0-36.1)	536 (343-826)	5139 (3487-7365)	245 (157-377)	894 (607-1282)
	CVD Incidence	5.8 (3.6-9.9)	11.2 (6.9-17.6)	533 (322-920)	2442 (1515-3804)	244 (147-421)	425 (264-662)
	T2D DALYs	10.6 (6.6-17.2)	19.1 (12.3-28.3)	1800 (1123-2900)	13483 (8737-20209)	823 (513-1326)	2346 (1520-3517)
	CVD DALYs	4.6 (2.8-7.9)	8.9 (5.6-14.3)	2637 (1610-4468)	11714 (7214-18705)	1206 (736-2043)	2038 (1255-3255)
	T2D Deaths	7.5 (4.6-12.7)	12.8 (8.0-20.3)	37.1 (22.5-61.4)	197 (121-313)	17.0 (10.3-28.1)	34.3 (21.1-54.5)
Bhutan	CVD Deaths	3.4 (2.1-6.1)	6.6 (3.9-10.8)	92.5 (54.3-165)	388 (233-644)	42.3 (24.8-75.2)	67.5 (40.5-112)
	T2D Incidence	4.4 (2.2-8.4)	10.3 (5.3-18.1)	21.4 (10.9-41.7)	172 (89.5-305)	87.3 (44.4-171)	337 (176-598)
	CVD Incidence	1.4 (0.7-3.3)	3.9 (1.9-7.9)	21.4 (10.8-48.9)	144 (71.1-300)	87.6 (44.0-200)	283 (140-589)
	T2D DALYs	2.8 (1.4-5.8)	6.5 (3.3-12.1)	50.9 (26.3-107)	386 (196-712)	208 (108-436)	758 (385-1397)
	CVD DALYs	1.5 (0.8-3.5)	3.9 (1.9-7.7)	126 (63.3-298)	671 (330-1354)	515 (259-1218)	1316 (646-2656)
	T2D Deaths	2.0 (1.0-4.4)	4.0 (1.9-8.5)	0.9 (0.4-2.0)	6.9 (3.1-14.6)	3.8 (1.8-8.0)	13.5 (6.1-28.6)
Bolivia	CVD Deaths	1.2 (0.6-2.7)	2.8 (1.3-5.7)	3.5 (1.8-7.9)	22.1 (10.7-46.3)	14.5 (7.3-32.3)	43.3 (21.1-90.7)
	T2D Incidence	35.2 (27.1-43.3)	29.1 (22.0-36.9)	2401 (1847-2974)	9844 (7409-12527)	700 (538-867)	1404 (1057-1787)
	CVD Incidence	19.1 (14.3-24.6)	15.2 (11.1-20.1)	1893 (1410-2451)	3977 (2922-5268)	552 (411-714)	567 (417-751)
	T2D DALYs	26.0 (19.6-33.2)	20.3 (14.9-26.4)	9777 (7332-12494)	26513 (19363-34303)	2850 (2137-3642)	3782 (2762-4893)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Bosnia and Herzegovina	CVD DALYs	18.9 (14.1-24.4)	13.2 (9.8-17.6)	21361 (16136-27657)	23888 (17503-31806)	6226 (4703-8061)	3407 (2497-4537)
	T2D Deaths	21.4 (15.9-27.9)	15.7 (11.4-21.4)	248 (184-326)	562 (404-770)	72.2 (53.8-95.1)	80.2 (57.6-110)
	CVD Deaths	14.0 (10.4-18.4)	9.7 (7.1-13.4)	694 (511-919)	852 (621-1182)	202 (149-268)	122 (88.6-169)
	T2D Incidence	1.2 (0.8-2.4)	5.5 (3.8-8.9)	109 (71.7-216)	1045 (722-1696)	36.4 (23.9-72.0)	396 (273-643)
	CVD Incidence	0.6 (0.4-0.9)	2.1 (1.5-3.4)	114 (77.0-194)	610 (423-975)	38.0 (25.6-64.7)	231 (160-369)
	T2D DALYs	0.8 (0.5-1.6)	3.2 (2.2-5.2)	197 (132-379)	2384 (1633-3892)	65.5 (43.9-126)	903 (619-1475)
	CVD DALYs	0.5 (0.3-0.9)	1.8 (1.2-2.8)	1209 (811-2122)	4789 (3331-7530)	402 (270-706)	1815 (1262-2853)
	T2D Deaths	0.6 (0.4-1.1)	2.3 (1.6-3.8)	3.2 (2.2-5.8)	47.6 (32.7-78.4)	1.1 (0.7-1.9)	18.0 (12.4-29.7)
Botswana	CVD Deaths	0.4 (0.3-0.7)	1.3 (0.9-2.1)	40.7 (27.4-68.5)	208 (143-330)	13.6 (9.1-22.8)	78.9 (54.1-125)
	T2D Incidence	16.6 (11.6-23.0)	40.9 (29.9-52.4)	183 (127-255)	2142 (1551-2732)	326 (226-455)	1598 (1157-2038)
	CVD Incidence	8.8 (5.7-12.8)	23.0 (15.9-30.9)	230 (148-337)	1665 (1151-2261)	410 (264-602)	1242 (859-1687)
	T2D DALYs	12.8 (8.3-19.1)	32.0 (22.1-43.0)	1011 (655-1496)	7524 (5221-10148)	1802 (1167-2667)	5612 (3895-7570)
	CVD DALYs	8.1 (5.3-12.3)	20.9 (14.1-28.7)	1438 (941-2132)	7103 (4823-9887)	2563 (1678-3802)	5299 (3598-7375)
	T2D Deaths	10.6 (6.6-16.7)	25.8 (16.6-36.6)	29.1 (18.0-45.6)	184 (120-263)	51.8 (32.1-81.4)	137 (89.4-196)
	CVD Deaths	6.5 (4.1-10.1)	16.2 (10.4-23.3)	46.6 (29.8-71.8)	237 (152-338)	83.1 (53.1-128)	177 (113-252)
	T2D Incidence	24.2 (20.5-28.8)	14.2 (11.8-18.6)	57228 (48445-68377)	101691 (83258-133513)	700 (592-836)	668 (547-877)
Brazil	CVD Incidence	11.5 (9.7-14.0)	6.3 (5.3-8.8)	31596 (26647-38875)	37013 (30652-51108)	386 (326-475)	243 (201-336)
	T2D DALYs	17.4 (14.9-21.1)	9.5 (8.0-12.6)	171336 (145915-208658)	243007 (204341-322564)	2095 (1784-2551)	1595 (1342-2118)
	CVD DALYs	11.5 (9.7-14.2)	6.5 (5.4-8.8)	423803 (357420-523779)	318204 (265676-433569)	5182 (4370-6404)	2089 (1744-2846)
	T2D Deaths	13.2 (11.3-16.5)	6.6 (5.6-9.1)	3370 (2879-4195)	4160 (3515-5780)	41.2 (35.2-51.3)	27.3 (23.1-37.9)
	CVD Deaths	8.5 (7.2-10.5)	4.6 (3.9-6.3)	13510 (11427-16694)	10580 (8875-14334)	165 (140-204)	69.5 (58.3-94.1)
	T2D Incidence	6.5 (4.2-9.5)	14.8 (10.0-20.9)	33.9 (21.8-50.2)	466 (316-665)	233 (150-345)	1524 (1032-2174)
	CVD Incidence	2.1 (1.4-3.2)	4.9 (3.3-7.3)	6.5 (4.3-9.8)	32.7 (21.9-47.7)	44.7 (29.5-67.6)	107 (71.6-156)
	T2D DALYs	3.8 (2.5-5.6)	9.4 (6.4-14.1)	86.7 (57.6-129)	716 (483-1067)	595 (396-889)	2340 (1578-3485)
Brunei	CVD DALYs	3.4 (2.2-5.2)	7.3 (4.9-10.9)	162 (105-248)	575 (383-858)	1111 (719-1701)	1880 (1253-2802)
	T2D Deaths	2.5 (1.7-3.8)	6.2 (4.1-9.6)	1.8 (1.2-2.7)	8.4 (5.6-12.8)	12.3 (8.2-18.8)	27.6 (18.2-41.9)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Bulgaria	CVD Deaths	2.1 (1.4-3.0)	5.1 (3.4-7.6)	3.8 (2.5-5.7)	14.5 (9.7-21.5)	26.4 (17.4-39.4)	47.3 (31.7-70.2)
	T2D Incidence	3.8 (2.7-6.1)	4.2 (3.0-7.0)	767 (552-1240)	1200 (870-2028)	120 (86.3-194)	214 (155-361)
	CVD Incidence	1.4 (1.1-2.2)	1.3 (1.0-2.1)	1137 (835-1763)	1095 (800-1763)	178 (130-276)	195 (143-314)
	T2D DALYs	2.4 (1.8-4.1)	2.4 (1.8-4.2)	1849 (1361-3127)	2598 (1880-4569)	289 (213-489)	463 (335-814)
	CVD DALYs	1.5 (1.1-2.4)	1.3 (1.0-2.2)	15136 (11133-24221)	11782 (8644-18617)	2365 (1740-3784)	2099 (1540-3317)
	T2D Deaths	1.9 (1.4-3.2)	1.7 (1.3-2.7)	36.4 (26.9-60.9)	40.4 (29.4-63.4)	5.7 (4.2-9.5)	7.2 (5.2-11.3)
Burkina Faso	CVD Deaths	1.2 (0.9-1.8)	1.0 (0.7-1.4)	579 (424-875)	490 (354-735)	90.4 (66.2-137)	87.3 (63.0-131)
	T2D Incidence	2.0 (0.6-5.9)	11.4 (3.9-27.9)	125 (40.0-365)	2927 (1010-7196)	33.6 (10.8-98.4)	314 (108-772)
	CVD Incidence	1.0 (0.3-3.0)	4.9 (1.6-13.1)	164 (52.4-492)	1714 (561-4605)	44.2 (14.1-132)	184 (60.1-494)
	T2D DALYs	1.7 (0.5-5.1)	8.9 (3.0-22.3)	663 (214-2039)	9275 (3090-23522)	179 (57.6-549)	995 (331-2523)
	CVD DALYs	0.9 (0.3-2.6)	4.1 (1.3-11.0)	873 (278-2624)	9320 (3112-26068)	235 (75.0-707)	1000 (334-2796)
	T2D Deaths	1.3 (0.4-3.9)	6.3 (2.1-16.7)	16.3 (5.2-48.8)	165 (55.4-434)	4.4 (1.4-13.1)	17.7 (5.9-46.6)
Burundi	CVD Deaths	0.7 (0.2-2.0)	3.1 (1.0-8.9)	29.7 (9.5-89.4)	317 (106-909)	8.0 (2.6-24.1)	34.0 (11.3-97.6)
	T2D Incidence	11.9 (7.8-17.8)	21.0 (14.5-30.1)	412 (269-624)	2157 (1474-3120)	178 (116-269)	408 (279-590)
	CVD Incidence	5.9 (3.8-10.2)	10.4 (6.7-16.8)	612 (383-1047)	1939 (1222-3186)	264 (165-451)	366 (231-602)
	T2D DALYs	10.1 (6.5-15.6)	16.6 (11.1-24.8)	3226 (2074-4978)	9748 (6425-14659)	1390 (893-2145)	1842 (1214-2770)
	CVD DALYs	6.0 (3.8-10.2)	10.5 (6.9-16.7)	5394 (3362-9224)	13088 (8564-21111)	2324 (1448-3974)	2473 (1618-3988)
	T2D Deaths	8.0 (5.1-12.9)	12.7 (8.2-19.8)	86.5 (53.9-145)	215 (139-336)	37.3 (23.2-62.5)	40.7 (26.2-63.5)
Cambodia	CVD Deaths	4.6 (2.9-8.2)	8.0 (5.0-13.5)	165 (101-303)	381 (244-649)	71.1 (43.7-130)	71.9 (46.0-123)
	T2D Incidence	0.3 (0.2-0.5)	11.8 (8.7-16.2)	17.8 (11.7-33.3)	4823 (3532-6627)	4.3 (2.9-8.1)	478 (350-657)
	CVD Incidence	0.1 (0.1-0.2)	4.6 (3.4-7.2)	12.5 (8.1-20.3)	1714 (1252-2640)	3.0 (2.0-4.9)	170 (124-262)
	T2D DALYs	0.2 (0.1-0.3)	8.0 (5.9-11.8)	69.0 (46.3-115)	11462 (8430-16858)	16.8 (11.3-28.0)	1136 (836-1671)
	CVD DALYs	0.1 (0.1-0.2)	5.3 (3.9-8.0)	211 (140-330)	20130 (14654-30498)	51.4 (34.2-80.5)	1995 (1453-3023)
	T2D Deaths	0.1 (0.1-0.2)	5.9 (4.4-9.0)	1.5 (1.0-2.5)	205 (152-319)	0.4 (0.3-0.6)	20.3 (15.1-31.7)
Cameroon	CVD Deaths	0.1 (0.1-0.1)	3.6 (2.7-5.6)	5.7 (3.7-9.0)	590 (435-914)	1.4 (0.9-2.2)	58.4 (43.1-90.6)
	T2D Incidence	6.5 (4.1-10.0)	24.9 (17.3-33.1)	501 (319-765)	10648 (7378-14166)	98.3 (62.5-150)	850 (589-1131)
	CVD Incidence	3.1 (2.0-5.1)	12.0 (8.0-17.5)	515 (327-848)	6086 (4006-8862)	101 (64.2-166)	486 (320-708)
	T2D DALYs	5.1 (3.2-8.1)	19.4 (13.4-27.1)	2322 (1476-3692)	38481 (26764-53857)	455 (289-724)	3073 (2137-4300)
	CVD DALYs	2.7 (1.7-4.4)	10.6 (7.0-15.6)	2912 (1838-4815)	40161 (26337-59609)	571 (360-944)	3207 (2103-4760)
	T2D Deaths	3.8 (2.4-6.3)	14.6 (9.5-21.3)	54.4 (34.2-89.2)	752 (495-1112)	10.7 (6.7-17.5)	60.1 (39.5-88.8)
Canada	CVD Deaths	2.0 (1.3-3.4)	8.0 (5.2-12.7)	95.0 (59.6-161)	1284 (830-1983)	18.6 (11.7-31.6)	103 (66.3-158)
	T2D Incidence	10.3 (8.7-13.3)	8.9 (7.3-12.4)	3922 (3326-5116)	15083 (12398-21173)	197 (167-257)	506 (416-711)
	CVD Incidence	4.3 (3.7-5.8)	3.4 (2.8-4.8)	6855 (5885-9416)	6266 (5238-8909)	344 (295-473)	210 (176-299)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Cape Verde	T2D DALYs	5.8 (5.0-8.1)	5.3 (4.4-7.6)	6707 (5797-9410)	18934 (15815-27345)	337 (291-472)	635 (531-918)
	CVD DALYs	4.3 (3.7-5.9)	3.0 (2.5-4.3)	48328 (41486-66006)	26463 (22264-37948)	2427 (2083-3314)	888 (747-1273)
	T2D Deaths	4.1 (3.6-5.9)	3.1 (2.7-4.6)	165 (145-238)	186 (159-277)	8.3 (7.3-11.9)	6.2 (5.3-9.3)
	CVD Deaths	3.0 (2.6-4.1)	1.9 (1.6-2.7)	1804 (1577-2503)	1018 (860-1413)	90.6 (79.2-126)	34.2 (28.9-47.4)
	T2D Incidence	7.1 (4.7-11.1)	11.1 (7.2-17.4)	24.0 (16.1-37.2)	176 (115-279)	164 (110-255)	502 (328-795)
	CVD Incidence	3.0 (1.9-5.1)	4.7 (2.9-7.9)	31.1 (19.5-52.8)	96.0 (59.9-160)	212 (133-361)	273 (171-457)
	T2D DALYs	5.5 (3.6-8.4)	8.0 (5.2-12.5)	59.4 (38.9-93.0)	458 (297-732)	406 (266-637)	1304 (847-2085)
	CVD DALYs	2.8 (1.8-4.6)	4.0 (2.5-6.7)	159 (102-258)	580 (359-992)	1090 (701-1765)	1652 (1023-2826)
	T2D Deaths	3.7 (2.3-6.0)	4.8 (3.0-8.2)	0.9 (0.6-1.5)	7.1 (4.5-12.0)	6.3 (4.0-10.4)	20.3 (12.8-34.3)
	CVD Deaths	2.0 (1.2-3.3)	2.7 (1.7-4.6)	5.9 (3.6-10.0)	21.5 (13.1-36.2)	40.1 (24.6-68.2)	61.1 (37.2-103)
Central African Republic	T2D Incidence	6.7 (4.3-10.4)	8.9 (5.9-14.1)	206 (132-316)	979 (653-1563)	160 (102-245)	460 (307-734)
	CVD Incidence	2.9 (1.8-4.8)	3.7 (2.4-6.6)	149 (95.8-245)	365 (233-636)	115 (74.1-190)	171 (109-299)
Chad	T2D DALYs	5.1 (3.4-8.2)	6.7 (4.4-11.0)	1118 (735-1804)	3466 (2269-5764)	865 (569-1396)	1627 (1066-2707)
	CVD DALYs	2.9 (1.8-4.7)	3.7 (2.4-6.5)	1530 (954-2523)	3393 (2150-6190)	1184 (738-1953)	1593 (1010-2907)
	T2D Deaths	4.2 (2.7-6.9)	5.2 (3.4-8.9)	25.3 (16.6-42.4)	59.9 (38.8-104)	19.6 (12.8-32.8)	28.1 (18.2-48.9)
	CVD Deaths	2.4 (1.5-4.1)	2.9 (1.9-5.2)	46.9 (28.9-81.9)	99.1 (62.8-173)	36.3 (22.4-63.4)	46.6 (29.5-81.1)
	T2D Incidence	11.3 (7.6-16.5)	18.9 (13.0-26.2)	480 (327-703)	3445 (2376-4788)	190 (129-278)	497 (343-690)
	CVD Incidence	5.0 (3.1-8.4)	8.3 (5.3-13.0)	643 (399-1046)	2106 (1329-3333)	254 (158-414)	304 (192-481)
	T2D DALYs	8.7 (5.6-13.5)	14.4 (9.5-20.1)	1696 (1102-2619)	10248 (6734-14512)	671 (436-1036)	1478 (971-2093)
	CVD DALYs	4.3 (2.7-7.3)	7.1 (4.6-11.1)	3513 (2171-5971)	13390 (8496-20818)	1390 (859-2362)	1931 (1225-3002)
	T2D Deaths	6.4 (4.0-10.4)	10.4 (6.7-15.8)	36.8 (23.0-60.1)	176 (115-267)	14.6 (9.1-23.8)	25.4 (16.5-38.4)
	CVD Deaths	3.3 (2.0-5.6)	5.4 (3.4-8.9)	124 (74.6-210)	426 (269-709)	48.9 (29.5-83.2)	61.4 (38.9-102)
Chile	T2D Incidence	18.3 (13.9-24.5)	25.0 (19.1-32.7)	3288 (2490-4429)	19953 (15153-26523)	409 (310-551)	1406 (1068-1869)
	CVD Incidence	6.9 (5.1-9.5)	10.8 (8.1-14.7)	1934 (1444-2677)	4947 (3673-6743)	241 (180-333)	349 (259-475)
China	T2D DALYs	11.9 (8.9-16.3)	16.8 (12.7-22.0)	6598 (4989-9048)	28692 (21787-37753)	821 (621-1126)	2021 (1535-2660)
	CVD DALYs	6.8 (5.0-9.1)	10.3 (7.8-13.9)	19612 (14539-26381)	30688 (23173-41215)	2441 (1810-3284)	2162 (1633-2904)
	T2D Deaths	9.0 (6.7-12.6)	10.7 (8.1-14.4)	135 (99.3-190)	299 (226-401)	16.8 (12.4-23.6)	21.1 (15.9-28.2)
	CVD Deaths	5.0 (3.8-6.9)	7.3 (5.5-9.8)	757 (570-1049)	1126 (846-1525)	94.3 (71.0-131)	79.4 (59.6-107)
	T2D Incidence	1.2 (0.9-2.4)	0.8 (0.6-1.7)	19667 (14872-39870)	29598 (22699-62590)	27.5 (20.8-55.7)	26.9 (20.6-56.8)
	CVD Incidence	0.3 (0.3-0.6)	0.2 (0.2-0.3)	10218 (7869-17234)	20783 (16261-31937)	14.3 (11.0-24.1)	18.9 (14.8-29.0)
	T2D DALYs	0.7 (0.5-1.2)	0.5 (0.4-0.9)	26216 (20220-47926)	54204 (42073-101661)	36.7 (28.3-67.0)	49.2 (38.2-92.2)
	CVD DALYs	0.3 (0.3-0.6)	0.2 (0.2-0.3)	79123 (61496-134879)	112173 (87995-172944)	111 (86.0-189)	102 (79.8-157)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Colombia	T2D Deaths	0.4 (0.3-0.6)	0.2 (0.2-0.3)	247 (198-393)	399 (318-578)	0.3 (0.3-0.5)	0.4 (0.3-0.5)
	CVD Deaths	0.2 (0.2-0.4)	0.1 (0.1-0.2)	2236 (1759-3404)	4011 (3163-5520)	3.1 (2.5-4.8)	3.6 (2.9-5.0)
	T2D Incidence	43.7 (35.6-52.4)	48.1 (39.3-57.3)	20944 (17084-25184)	69665 (56971-83199)	1177 (960-1415)	1971 (1612-2354)
	CVD Incidence	21.3 (16.6-27.0)	23.0 (18.0-29.2)	15402 (11842-19590)	38314 (29417-48799)	866 (666-1101)	1084 (832-1381)
	T2D DALYs	32.6 (25.9-40.0)	35.6 (28.3-44.0)	51834 (41165-64110)	156544 (124144-193880)	2913 (2314-3603)	4429 (3512-5485)
	CVD DALYs	21.3 (16.5-26.9)	21.2 (16.4-27.1)	132021 (102007-167258)	203818 (157607-260830)	7420 (5733-9400)	5766 (4459-7379)
Comoros	T2D Deaths	24.1 (18.5-30.6)	24.7 (19.0-31.6)	805 (615-1020)	1695 (1310-2179)	45.2 (34.6-57.3)	48.0 (37.1-61.6)
	CVD Deaths	16.1 (12.1-20.8)	15.5 (11.6-20.4)	4410 (3333-5729)	8009 (6030-10562)	248 (187-322)	227 (171-299)
	T2D Incidence	15.2 (10.6-21.0)	22.4 (16.2-30.0)	53.1 (36.9-72.8)	283 (205-381)	295 (205-404)	642 (464-864)
	CVD Incidence	7.7 (5.0-11.8)	10.9 (7.4-16.3)	64.6 (42.2-101)	221 (149-331)	359 (234-561)	501 (338-752)
	T2D DALYs	13.3 (9.1-19.4)	17.8 (12.6-25.1)	313 (211-455)	1120 (785-1570)	1737 (1171-2524)	2543 (1782-3563)
	CVD DALYs	7.4 (5.0-11.6)	10.5 (7.2-15.4)	398 (263-629)	1127 (767-1682)	2210 (1459-3488)	2557 (1740-3817)
Congo, Dem. Rep.	T2D Deaths	10.7 (7.0-16.0)	13.2 (8.9-19.5)	7.7 (5.1-11.8)	23.3 (15.6-34.2)	42.9 (28.2-65.6)	52.9 (35.5-77.6)
	CVD Deaths	5.8 (3.7-9.1)	7.8 (5.2-12.0)	12.1 (7.7-19.6)	36.0 (24.3-55.4)	67.0 (42.6-109)	81.6 (55.2-126)
	T2D Incidence	5.5 (1.9-15.3)	7.8 (2.7-21.1)	1618 (573-4489)	9339 (3281-25640)	105 (37.1-291)	239 (84.0-656)
	CVD Incidence	2.4 (0.8-7.5)	3.2 (1.1-9.4)	1665 (576-5241)	4606 (1588-13433)	108 (37.3-339)	118 (40.6-344)
	T2D DALYs	4.3 (1.5-11.9)	5.7 (2.0-15.9)	8995 (3177-25048)	32775 (11426-90970)	582 (206-1622)	839 (292-2328)
	CVD DALYs	2.3 (0.8-7.0)	2.9 (1.0-8.5)	12229 (4129-38236)	30367 (10438-88508)	792 (267-2476)	777 (267-2265)
Congo, Rep.	T2D Deaths	3.4 (1.2-10.1)	4.2 (1.5-11.8)	216 (72.9-653)	618 (208-1742)	14.0 (4.7-42.3)	15.8 (5.3-44.6)
	CVD Deaths	1.9 (0.6-5.8)	2.3 (0.8-6.7)	393 (131-1211)	956 (325-2829)	25.4 (8.5-78.4)	24.5 (8.3-72.4)
	T2D Incidence	7.3 (4.8-11.2)	28.1 (19.9-37.4)	168 (110-258)	2947 (2073-3902)	161 (106-247)	1105 (777-1463)
	CVD Incidence	3.4 (2.2-5.6)	14.0 (9.5-20.4)	179 (117-295)	1782 (1208-2626)	172 (112-283)	668 (453-984)
	T2D DALYs	5.9 (3.9-9.5)	22.5 (15.5-31.4)	1143 (759-1833)	12165 (8385-16785)	1097 (728-1760)	4560 (3143-6292)
	CVD DALYs	3.5 (2.3-5.8)	13.7 (9.2-19.9)	1931 (1243-3188)	14654 (9787-21567)	1854 (1193-3060)	5493 (3668-8084)
Costa Rica	T2D Deaths	4.8 (3.1-8.0)	17.9 (12.0-26.2)	29.0 (18.4-48.2)	251 (165-366)	27.9 (17.7-46.3)	94.0 (61.8-137)
	CVD Deaths	2.9 (1.8-4.8)	10.9 (7.0-16.5)	61.4 (39.6-103)	462 (303-707)	58.9 (38.0-98.4)	173 (114-265)
	T2D Incidence	30.7 (21.7-40.3)	21.7 (14.6-29.7)	1324 (941-1753)	3830 (2607-5291)	764 (543-1012)	1044 (710-1442)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Cote d'Ivoire	CVD Incidence	14.0 (9.5-19.8)	9.4 (6.2-13.7)	1040 (706-1467)	1867 (1224-2740)	601 (408-847)	509 (334-747)
	T2D DALYs	21.7 (15.2-29.4)	14.6 (9.7-20.8)	2861 (1970-3849)	8144 (5414-11807)	1652 (1138-2223)	2219 (1475-3217)
	CVD DALYs	12.8 (8.6-18.1)	8.8 (5.8-12.9)	6197 (4191-8796)	6528 (4308-9616)	3579 (2421-5080)	1779 (1174-2620)
	T2D Deaths	15.6 (10.5-22.1)	8.9 (5.7-13.3)	38.3 (25.7-53.9)	85.6 (55.0-128)	22.1 (14.8-31.2)	23.3 (15.0-34.9)
	CVD Deaths	9.1 (6.1-13.2)	5.9 (3.9-9.0)	223 (149-322)	227 (149-345)	129 (86.1-186)	61.8 (40.6-94.1)
	T2D Incidence	12.8 (8.7-18.7)	21.9 (15.2-30.2)	1108 (751-1582)	9169 (6352-12657)	206 (140-295)	732 (507-1011)
	CVD Incidence	6.2 (4.1-9.8)	10.8 (7.2-15.7)	1185 (782-1890)	5544 (3629-8048)	221 (146-352)	443 (290-643)
	T2D DALYs	10.1 (6.8-15.1)	17.3 (11.7-24.4)	3870 (2620-5781)	27420 (18628-38807)	721 (488-1077)	2190 (1487-3099)
	CVD DALYs	5.6 (3.7-8.9)	9.6 (6.5-14.3)	8046 (5199-12524)	37567 (24936-56139)	1498 (968-2333)	3000 (1991-4483)
	T2D Deaths	7.7 (5.0-11.9)	12.7 (8.4-18.4)	77.1 (49.1-118)	460 (302-672)	14.4 (9.1-22.0)	36.7 (24.1-53.7)
Croatia	CVD Deaths	4.4 (2.8-7.1)	7.4 (4.8-11.2)	241 (153-385)	1154 (730-1780)	44.8 (28.5-71.7)	92.2 (58.3-142)
	T2D Incidence	5.4 (4.0-7.9)	6.3 (4.7-9.3)	624 (462-927)	1056 (779-1544)	178 (132-265)	319 (235-466)
	CVD Incidence	2.0 (1.5-3.2)	2.1 (1.6-3.0)	671 (504-1059)	668 (501-975)	192 (144-303)	202 (151-294)
	T2D DALYs	3.5 (2.6-5.4)	3.5 (2.7-5.2)	1113 (837-1756)	2074 (1558-3047)	318 (239-502)	626 (471-920)
	CVD DALYs	2.0 (1.5-3.1)	1.9 (1.4-2.7)	7747 (5843-12151)	5002 (3737-7350)	2215 (1671-3475)	1510 (1128-2220)
	T2D Deaths	2.5 (1.9-4.0)	2.2 (1.7-3.2)	17.8 (13.5-28.4)	34.0 (25.3-48.7)	5.1 (3.9-8.1)	10.3 (7.7-14.7)
Cuba	CVD Deaths	1.4 (1.1-2.2)	1.4 (1.0-2.0)	312 (233-475)	241 (179-344)	89.2 (66.5-136)	72.6 (54.1-104)
	T2D Incidence	37.8 (30.2-46.1)	27.6 (20.9-35.5)	7182 (5691-8773)	12063 (9118-15618)	1022 (810-1248)	1358 (1027-1759)
	CVD Incidence	17.8 (13.6-23.1)	12.8 (9.5-17.3)	9104 (6900-11820)	9567 (7101-12894)	1295 (982-1682)	1077 (800-1452)
	T2D DALYs	27.1 (20.5-34.6)	20.2 (15.2-26.8)	22350 (16907-28501)	28448 (21350-37699)	3180 (2406-4055)	3203 (2404-4245)
	CVD DALYs	17.4 (13.2-22.5)	11.3 (8.4-15.4)	81568 (61905-106119)	58512 (43469-79854)	11606 (8808-15100)	6589 (4895-8992)
Cyprus	T2D Deaths	20.2 (14.8-27.2)	13.5 (9.8-18.5)	433 (318-579)	267 (193-365)	61.6 (45.2-82.4)	30.1 (21.8-41.1)
	CVD Deaths	13.1 (9.8-17.2)	8.4 (6.1-11.6)	3200 (2380-4218)	2463 (1805-3408)	455 (339-600)	277 (203-384)
	T2D Incidence	6.7 (3.4-13.3)	9.7 (5.0-18.4)	161 (81.9-321)	499 (260-958)	314 (159-625)	534 (279-1027)
	CVD Incidence	3.0 (1.5-6.3)	3.3 (1.7-6.8)	54.8 (27.9-116)	107 (53.8-214)	107 (54.3-227)	114 (57.7-229)
	T2D DALYs	3.8 (1.9-7.8)	5.3 (2.7-10.5)	392 (197-793)	832 (420-1633)	763 (383-1544)	892 (450-1749)
	CVD DALYs	2.8 (1.4-5.8)	3.3 (1.7-6.8)	979 (498-2016)	1082 (542-2240)	1905 (969-3924)	1159 (581-2400)
	T2D Deaths	2.6 (1.3-5.4)	2.7 (1.4-5.7)	11.4 (5.6-23.3)	13.6 (6.8-28.2)	22.1 (11.0-45.3)	14.6 (7.3-30.2)
	CVD Deaths	2.0 (1.0-4.1)	2.2 (1.1-4.5)	38.9 (19.9-82.2)	42.1 (21.2-88.5)	75.7 (38.6-160)	45.1 (22.7-94.9)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Czech Republic	T2D Incidence	5.0 (3.9-7.4)	3.8 (3.0-5.9)	1105 (871-1647)	1704 (1331-2612)	152 (120-227)	200 (156-306)
	CVD Incidence	1.9 (1.5-2.7)	1.4 (1.1-2.0)	1888 (1500-2643)	1321 (1059-1889)	260 (206-364)	155 (124-221)
	T2D DALYs	3.0 (2.4-4.4)	2.1 (1.7-3.1)	2253 (1778-3332)	3388 (2690-5016)	310 (245-458)	397 (315-588)
	CVD DALYs	1.9 (1.5-2.6)	1.2 (0.9-1.7)	21202 (16783-30200)	6968 (5500-10036)	2917 (2309-4155)	816 (644-1176)
	T2D Deaths	2.2 (1.7-3.3)	1.3 (1.0-1.9)	41.5 (32.5-62.6)	57.0 (43.7-83.2)	5.7 (4.5-8.6)	6.7 (5.1-9.8)
	CVD Deaths	1.4 (1.1-2.0)	0.8 (0.7-1.2)	845 (662-1212)	326 (251-460)	116 (91.0-167)	38.2 (29.4-53.9)
Denmark	T2D Incidence	5.3 (4.2-8.1)	6.7 (5.3-9.8)	280 (220-423)	914 (720-1330)	71.8 (56.5-109)	203 (160-295)
	CVD Incidence	1.3 (1.1-2.0)	2.0 (1.6-3.1)	274 (223-406)	383 (306-602)	70.2 (57.1-104)	84.8 (67.8-133)
	T2D DALYs	2.9 (2.3-4.7)	3.5 (2.8-5.1)	632 (514-1036)	1432 (1154-2096)	162 (132-266)	318 (256-465)
	CVD DALYs	1.6 (1.3-2.4)	1.7 (1.4-2.6)	5997 (4901-9430)	2187 (1766-3222)	1538 (1257-2419)	485 (392-714)
	T2D Deaths	1.8 (1.5-2.8)	1.8 (1.5-2.5)	14.4 (11.9-22.0)	23.2 (19.1-33.0)	3.7 (3.0-5.6)	5.2 (4.2-7.3)
	CVD Deaths	1.1 (0.9-1.6)	1.1 (0.9-1.5)	249 (205-356)	89.8 (73.8-121)	64.0 (52.5-91.4)	19.9 (16.4-26.7)
Djibouti	T2D Incidence	31.2 (22.3-41.4)	48.5 (36.1-59.0)	58.9 (41.9-78.2)	692 (518-847)	224 (160-298)	1132 (846-1386)
	CVD Incidence	18.4 (12.1-26.7)	30.0 (20.5-40.3)	108 (71.6-158)	832 (573-1129)	413 (273-600)	1360 (937-1846)
	T2D DALYs	27.5 (19.2-37.9)	43.0 (31.1-54.0)	355 (244-490)	3348 (2425-4282)	1350 (928-1864)	5474 (3965-7001)
	CVD DALYs	17.8 (11.8-26.5)	29.5 (20.4-39.6)	562 (372-832)	4924 (3450-6698)	2139 (1417-3166)	8052 (5642-10953)
	T2D Deaths	22.8 (15.1-32.9)	35.9 (24.6-46.8)	8.6 (5.8-12.5)	77.9 (53.9-104)	32.8 (21.9-47.7)	127 (88.2-169)
	CVD Deaths	14.2 (9.1-21.6)	24.4 (16.2-33.7)	15.9 (10.3-23.7)	149 (99.2-207)	60.7 (39.1-90.4)	243 (162-338)
Dominica	T2D Incidence	26.8 (18.8-36.9)	19.9 (13.4-27.9)	50.6 (35.4-69.9)	81.9 (54.8-116)	1254 (877-1734)	1670 (1117-2358)
	CVD Incidence	12.5 (8.4-18.0)	9.0 (5.9-13.2)	32.2 (21.4-46.1)	32.5 (20.7-48.2)	798 (532-1143)	663 (422-984)
	T2D DALYs	17.2 (11.6-24.4)	13.1 (8.6-19.0)	205 (138-292)	265 (176-386)	5091 (3419-7230)	5408 (3596-7872)
	CVD DALYs	10.1 (6.6-14.7)	7.2 (4.6-10.6)	223 (147-324)	147 (94.2-217)	5539 (3653-8025)	2994 (1921-4422)
	T2D Deaths	12.9 (8.5-18.5)	9.2 (6.0-13.6)	5.4 (3.6-7.8)	5.3 (3.4-7.8)	134 (88.2-193)	107 (69.2-160)
	CVD Deaths	7.7 (5.1-11.2)	5.3 (3.4-7.8)	9.5 (6.3-13.9)	5.8 (3.7-8.6)	235 (155-344)	119 (76.3-174)
Dominican Republic	T2D Incidence	13.3 (9.9-18.3)	25.0 (19.1-33.0)	1272 (944-1748)	10872 (8297-14364)	353 (262-485)	1573 (1200-2078)
	CVD Incidence	6.1 (4.5-8.8)	10.9 (8.1-15.0)	928 (688-1331)	5013 (3684-6974)	257 (191-369)	725 (533-1009)
	T2D DALYs	9.4 (7.1-12.9)	17.8 (13.5-23.9)	3240 (2427-4468)	26849 (20410-36269)	898 (673-1239)	3884 (2953-5247)
	CVD DALYs	6.4 (4.8-9.2)	11.6 (8.4-15.9)	8498 (6402-12109)	44234 (32477-60475)	2356 (1775-3358)	6399 (4698-8748)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Ecuador	T2D Deaths	6.7 (5.0-9.5)	13.0 (9.6-17.7)	50.8 (37.5-72.2)	367 (269-501)	14.1 (10.4-20.0)	53.0 (38.9-72.5)
	CVD Deaths	4.4 (3.3-6.3)	8.4 (6.1-11.5)	254 (191-362)	1480 (1076-2047)	70.4 (52.9-100)	214 (156-296)
	T2D Incidence	48.6 (40.5-56.4)	34.7 (27.1-43.3)	5412 (4529-6325)	21862 (17037-27189)	1039 (870-1214)	1943 (1514-2417)
	CVD Incidence	27.2 (21.9-33.3)	17.8 (13.3-23.3)	4559 (3630-5563)	8369 (6246-10906)	875 (697-1068)	744 (555-969)
	T2D DALYs	38.0 (30.7-45.7)	24.6 (18.6-32.0)	16204 (13074-19521)	48533 (36819-62434)	3111 (2510-3748)	4314 (3273-5550)
	CVD DALYs	26.8 (21.8-32.5)	16.7 (12.7-22.0)	35317 (28554-42795)	45002 (34297-59432)	6781 (5483-8217)	4000 (3049-5283)
	T2D Deaths	30.5 (24.3-38.0)	18.0 (13.6-24.1)	341 (272-424)	784 (585-1057)	65.5 (52.3-81.3)	69.7 (52.0-94.0)
	CVD Deaths	19.2 (15.2-24.1)	11.4 (8.5-15.4)	1177 (932-1473)	1586 (1188-2156)	226 (179-283)	141 (106-192)
Egypt, Arab Rep.	T2D Incidence	10.0 (7.6-13.0)	9.5 (7.2-12.9)	4318 (3304-5682)	32494 (24893-44515)	155 (119-204)	551 (422-756)
	CVD Incidence	5.0 (3.8-7.7)	4.7 (3.5-7.3)	15112 (11254-23023)	34437 (25928-53687)	544 (405-828)	584 (440-911)
	T2D DALYs	7.4 (5.6-9.8)	6.5 (5.0-9.1)	16418 (12594-22089)	72481 (55565-100036)	591 (453-795)	1230 (943-1698)
	CVD DALYs	5.5 (4.2-7.8)	4.8 (3.6-6.8)	145257 (109678-207517)	254408 (192488-362992)	5227 (3947-7467)	4318 (3267-6161)
	T2D Deaths	6.1 (4.6-8.3)	5.2 (3.9-7.4)	389 (296-539)	1370 (1028-1929)	14.0 (10.6-19.4)	23.2 (17.5-32.7)
	CVD Deaths	4.2 (3.2-6.0)	3.8 (2.8-5.4)	4356 (3314-6270)	7976 (6010-11608)	157 (119-226)	135 (102-197)
El Salvador	T2D Incidence	18.5 (13.0-26.2)	28.3 (20.3-38.6)	1025 (720-1461)	5335 (3853-7303)	395 (277-563)	1278 (923-1750)
	CVD Incidence	7.5 (5.2-11.3)	11.1 (7.6-16.4)	778 (534-1162)	2373 (1611-3562)	300 (206-448)	569 (386-853)
	T2D DALYs	12.6 (8.7-18.4)	18.6 (12.9-26.3)	3144 (2168-4624)	17887 (12552-25520)	1212 (835-1782)	4286 (3008-6115)
	CVD DALYs	8.5 (5.9-12.5)	11.4 (8.0-16.7)	7541 (5220-11177)	16122 (11305-23827)	2906 (2012-4308)	3863 (2709-5709)
	T2D Deaths	9.2 (6.3-13.7)	13.5 (9.2-19.6)	58.0 (40.0-86.0)	356 (248-521)	22.4 (15.4-33.1)	85.4 (59.5-125)
	CVD Deaths	5.8 (4.0-8.6)	7.7 (5.3-11.6)	235 (162-351)	585 (407-867)	90.5 (62.4-135)	140 (97.5-208)
Equatorial Guinea	T2D Incidence	11.6 (7.7-16.5)	23.2 (15.8-32.6)	46.0 (30.9-66.4)	589 (402-835)	227 (152-327)	769 (524-1090)
	CVD Incidence	5.1 (3.2-8.2)	11.1 (7.1-16.7)	46.3 (29.3-74.4)	259 (163-388)	228 (144-367)	338 (213-507)
	T2D DALYs	9.2 (6.1-13.9)	17.9 (12.0-25.6)	289 (189-434)	1925 (1278-2782)	1426 (933-2141)	2514 (1668-3632)
	CVD DALYs	5.1 (3.3-8.4)	10.5 (6.6-15.7)	444 (282-725)	1778 (1130-2717)	2187 (1392-3572)	2320 (1475-3547)
	T2D Deaths	7.5 (4.9-11.8)	13.1 (8.5-19.8)	7.1 (4.6-11.2)	35.6 (22.6-53.8)	35.0 (22.7-55.0)	46.5 (29.4-70.2)
	CVD Deaths	4.2 (2.6-7.1)	7.9 (5.0-12.4)	14.3 (9.0-24.4)	56.2 (35.3-89.4)	70.3 (44.1-120)	73.4 (46.0-117)
Eritrea	T2D Incidence	18.0 (12.5-24.9)	30.2 (21.8-39.2)	362 (251-498)	2479 (1777-3223)	360 (249-494)	1446 (1037-1880)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Estonia	CVD Incidence	9.0 (5.9-14.1)	14.5 (9.6-20.9)	406 (261-651)	1523 (1008-2193)	403 (259-646)	888 (588-1279)
	T2D DALYs	15.5 (10.2-22.4)	24.6 (16.9-33.3)	2579 (1706-3753)	10853 (7508-14835)	2559 (1693-3724)	6332 (4381-8655)
	CVD DALYs	9.5 (6.1-15.2)	15.3 (10.1-21.7)	3110 (1970-5138)	11639 (7542-16560)	3085 (1955-5098)	6791 (4400-9661)
	T2D Deaths	13.1 (8.6-19.9)	19.4 (12.6-27.3)	60.3 (39.6-90.9)	222 (145-315)	59.8 (39.3-90.2)	129 (84.7-184)
	CVD Deaths	7.9 (5.1-12.9)	12.0 (7.7-17.5)	85.4 (54.3-140)	326 (211-482)	84.7 (53.8-139)	190 (123-281)
	T2D Incidence	4.2 (3.2-6.6)	5.4 (4.2-7.9)	80.5 (61.9-128)	186 (145-274)	72.6 (55.8-116)	178 (138-262)
	CVD Incidence	1.3 (1.1-2.2)	1.7 (1.3-2.6)	210 (167-336)	264 (212-414)	190 (150-303)	252 (203-396)
	T2D DALYs	2.5 (2.0-4.4)	2.8 (2.3-4.5)	128 (101-223)	372 (299-581)	115 (90.8-201)	356 (286-556)
	CVD DALYs	1.4 (1.1-2.3)	1.4 (1.1-2.1)	2413 (1906-4031)	820 (648-1237)	2176 (1719-3635)	784 (620-1183)
	T2D Deaths	1.8 (1.4-3.0)	1.9 (1.5-3.0)	1.4 (1.1-2.4)	5.4 (4.3-8.7)	1.3 (1.0-2.2)	5.2 (4.1-8.4)
Ethiopia (excludes Eritrea)	CVD Deaths	1.0 (0.8-1.4)	1.0 (0.8-1.4)	96.4 (75.5-142)	37.5 (29.0-52.8)	86.9 (68.1-128)	35.9 (27.8-50.5)
	T2D Incidence	11.9 (8.8-16.0)	23.8 (18.7-29.8)	4679 (3492-6323)	24230 (18836-30109)	225 (168-304)	432 (336-537)
	CVD Incidence	6.0 (4.3-9.2)	11.0 (8.2-15.2)	4389 (3144-6804)	15738 (11697-21878)	211 (151-327)	281 (209-390)
	T2D DALYs	10.1 (7.4-14.3)	18.3 (13.9-23.4)	37054 (27062-52858)	86447 (65140-110320)	1779 (1299-2538)	1541 (1161-1967)
	CVD DALYs	6.4 (4.6-9.7)	10.8 (8.0-14.7)	32549 (23316-50290)	74621 (54780-102088)	1563 (1119-2415)	1330 (977-1820)
	T2D Deaths	8.3 (5.8-12.0)	13.0 (9.3-17.6)	928 (648-1358)	1727 (1225-2348)	44.6 (31.1-65.2)	30.8 (21.8-41.9)
	CVD Deaths	5.2 (3.6-7.9)	7.9 (5.6-11.0)	931 (655-1439)	2246 (1602-3131)	44.7 (31.4-69.1)	40.0 (28.6-55.8)
	T2D Incidence	4.2 (2.9-6.6)	10.9 (7.7-15.2)	102 (68.5-159)	796 (560-1108)	270 (182-424)	1419 (998-1974)
	CVD Incidence	1.5 (1.1-2.5)	3.9 (2.8-5.9)	26.7 (19.1-43.9)	147 (105-223)	71.0 (50.9-117)	262 (188-398)
	T2D DALYs	2.5 (1.7-4.3)	6.3 (4.5-9.5)	513 (361-872)	3687 (2615-5547)	1366 (961-2321)	6571 (4660-9885)
Fiji	CVD DALYs	2.1 (1.5-3.8)	5.2 (3.7-7.9)	678 (471-1213)	2690 (1906-4074)	1804 (1255-3230)	4793 (3396-7259)
	T2D Deaths	1.9 (1.3-3.2)	4.8 (3.4-7.4)	11.7 (8.4-20.0)	86.6 (61.6-132)	31.2 (22.3-53.3)	154 (110-234)
	CVD Deaths	1.6 (1.1-2.9)	3.9 (2.8-6.0)	16.9 (11.8-30.4)	74.0 (53.1-113)	44.9 (31.3-80.9)	132 (94.5-201)
	T2D Incidence	7.1 (5.8-9.9)	6.5 (5.4-9.3)	648 (525-898)	1213 (986-1722)	174 (141-241)	278 (226-395)
	CVD Incidence	2.5 (2.1-3.9)	1.6 (1.3-2.3)	1068 (892-1682)	611 (509-884)	286 (239-451)	140 (117-203)
	T2D DALYs	4.1 (3.4-6.0)	3.7 (3.0-5.4)	878 (729-1274)	1664 (1379-2470)	235 (196-342)	381 (316-566)
	CVD DALYs	2.2 (1.9-3.5)	1.5 (1.2-2.1)	8362 (7011-12905)	3307 (2795-4707)	2243 (1880-3461)	758 (640-1078)
	T2D Deaths	1.9 (1.7-2.7)	1.7 (1.4-2.4)	8.7 (7.4-12.2)	9.1 (7.7-13.1)	2.3 (2.0-3.3)	2.1 (1.8-3.0)
	CVD Deaths	1.6 (1.3-2.4)	1.0 (0.8-1.4)	313 (265-464)	149 (127-202)	83.9 (71.1-125)	34.2 (29.0-46.2)
	T2D Incidence	6.8 (5.7-9.1)	9.1 (7.7-12.1)	4462 (3710-5896)	12148 (10283-16041)	109 (90.4-144)	244 (206-322)
France	CVD Incidence	2.5 (2.1-3.5)	2.6 (2.2-3.7)	7034 (6076-10081)	9721 (8322-14230)	171 (148-246)	195 (167-285)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§, f}	
		1990	2020	1990	2020	1990	2020
Gabon	T2D DALYs	3.5 (3.0-4.9)	4.7 (4.0-6.3)	7275 (6245-10181)	18734 (16061-25247)	177 (152-248)	376 (322-506)
	CVD DALYs	2.0 (1.8-2.8)	2.2 (1.9-3.0)	37689 (32546-52539)	27832 (24074-39090)	918 (793-1280)	558 (483-784)
	T2D Deaths	1.9 (1.6-2.7)	2.0 (1.8-2.8)	148 (130-210)	262 (230-365)	3.6 (3.2-5.1)	5.2 (4.6-7.3)
	CVD Deaths	1.3 (1.1-1.8)	1.3 (1.1-1.8)	1485 (1298-2020)	1127 (984-1504)	36.2 (31.6-49.2)	22.6 (19.7-30.2)
	T2D Incidence	28.3 (20.3-37.3)	21.2 (14.3-29.6)	362 (259-479)	964 (644-1367)	786 (561-1038)	801 (536-1136)
	CVD Incidence	14.7 (9.8-21.4)	10.3 (6.6-15.8)	383 (251-567)	481 (306-735)	831 (544-1228)	399 (254-611)
	T2D DALYs	23.4 (15.9-32.7)	16.5 (10.8-24.2)	2305 (1559-3250)	3978 (2576-5864)	4996 (3379-7047)	3307 (2141-4875)
	CVD DALYs	14.3 (9.3-21.0)	9.7 (6.1-15.1)	3030 (2007-4446)	3195 (2017-4924)	6569 (4350-9638)	2656 (1677-4094)
Gambia, The	T2D Deaths	19.0 (12.2-27.7)	12.8 (7.9-19.7)	63.1 (40.4-91.9)	84.8 (52.4-129)	137 (87.6-199)	70.5 (43.6-107)
	CVD Deaths	11.5 (7.2-17.7)	7.5 (4.6-12.0)	109 (68.6-166)	107 (65.7-174)	236 (149-359)	89.3 (54.6-144)
	T2D Incidence	49.8 (38.9-59.8)	21.8 (14.8-31.1)	307 (239-373)	710 (476-1005)	691 (538-839)	647 (434-916)
	CVD Incidence	28.7 (20.0-38.6)	9.7 (6.1-14.8)	486 (344-660)	467 (295-726)	1095 (775-1486)	426 (269-661)
	T2D DALYs	42.4 (31.4-53.1)	16.4 (10.8-24.0)	1200 (890-1506)	2255 (1482-3289)	2704 (2003-3392)	2055 (1350-2997)
	CVD DALYs	25.6 (17.5-34.8)	8.6 (5.5-13.2)	3172 (2174-4357)	3468 (2231-5400)	7144 (4897-9814)	3160 (2033-4920)
	T2D Deaths	34.5 (24.6-45.6)	11.7 (7.4-18.1)	26.9 (18.9-35.2)	42.2 (26.5-66.2)	60.6 (42.5-79.2)	38.5 (24.2-60.3)
	CVD Deaths	20.8 (13.9-30.3)	6.4 (3.9-10.3)	107 (70.4-156)	115 (70.4-187)	241 (159-351)	105 (64.1-171)
Georgia	T2D Incidence	0.3 (0.2-0.6)	6.7 (4.5-10.4)	17.7 (12.0-43.7)	746 (503-1162)	4.8 (3.3-12.0)	252 (170-392)
	CVD Incidence	0.1 (0.1-0.1)	2.0 (1.4-3.2)	48.1 (32.8-76.6)	811 (553-1304)	13.2 (9.0-21.0)	274 (187-440)
	T2D DALYs	0.2 (0.1-0.3)	3.6 (2.5-5.9)	43.3 (29.7-72.2)	1697 (1152-2749)	11.9 (8.1-19.8)	572 (389-927)
	CVD DALYs	0.1 (0.1-0.2)	1.8 (1.3-3.0)	512 (349-819)	4971 (3385-8003)	140 (95.6-224)	1677 (1142-2699)
	T2D Deaths	0.1 (0.1-0.2)	2.5 (1.7-4.0)	0.8 (0.5-1.2)	26.3 (17.5-42.4)	0.2 (0.1-0.3)	8.9 (5.9-14.3)
	CVD Deaths	0.1 (0.1-0.1)	1.3 (0.9-2.0)	18.6 (12.5-28.7)	200 (134-307)	5.1 (3.4-7.8)	67.6 (45.1-104)
	T2D Incidence	8.4 (7.0-10.6)	9.9 (8.3-12.7)	8997 (7476-11383)	24950 (20755-31890)	145 (121-184)	367 (305-469)
	CVD Incidence	3.0 (2.5-4.3)	2.9 (2.5-4.1)	21511 (18138-30486)	17453 (14699-24555)	347 (293-492)	257 (216-361)
Germany	T2D DALYs	4.5 (3.8-6.0)	5.4 (4.6-7.1)	21145 (17967-28270)	40194 (33791-53599)	341 (290-456)	591 (497-789)
	CVD DALYs	2.9 (2.5-4.1)	2.6 (2.2-3.7)	169987 (144429-242400)	79855 (67903-115967)	2743 (2331-3912)	1175 (999-1706)
	T2D Deaths	2.7 (2.3-3.6)	2.6 (2.3-3.7)	548 (467-730)	556 (480-775)	8.8 (7.5-11.8)	8.2 (7.1-11.4)
	CVD Deaths	2.0 (1.7-2.7)	1.8 (1.5-2.4)	6801 (5846-9513)	3496 (2995-4780)	110 (94.3-154)	51.4 (44.1-70.3)
	T2D Incidence	17.7 (12.4-24.5)	26.5 (19.3-35.4)	1954 (1361-2713)	14917 (10847-19853)	296 (206-411)	910 (661-1211)
Ghana	T2D Incidence	17.7 (12.4-24.5)	26.5 (19.3-35.4)	1954 (1361-2713)	14917 (10847-19853)	296 (206-411)	910 (661-1211)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Greece	CVD Incidence	7.6 (5.0-11.4)	12.4 (8.5-17.9)	2482 (1650-3712)	10430 (7092-15015)	376 (250-563)	636 (432-916)
	T2D DALYs	14.3 (9.8-20.4)	20.4 (14.5-28.1)	7458 (5071-10551)	52196 (36547-71869)	1131 (769-1600)	3183 (2229-4383)
	CVD DALYs	7.3 (4.8-10.9)	10.6 (7.2-15.3)	20632 (13444-30530)	62108 (41932-89506)	3129 (2039-4630)	3787 (2557-5458)
	T2D Deaths	10.8 (7.1-16.1)	15.2 (10.3-22.4)	149 (96.9-220)	1001 (679-1485)	22.6 (14.7-33.4)	61.0 (41.4-90.6)
	CVD Deaths	5.7 (3.6-8.7)	8.0 (5.2-12.1)	637 (405-970)	1939 (1259-2972)	96.6 (61.5-147)	118 (76.8-181)
	T2D Incidence	7.1 (5.6-9.7)	8.7 (6.9-11.6)	1262 (993-1739)	2352 (1846-3182)	170 (134-234)	278 (218-375)
	CVD Incidence	2.0 (1.6-2.9)	1.9 (1.6-2.9)	1010 (824-1481)	1010 (822-1527)	136 (111-199)	119 (97.0-180)
	T2D DALYs	4.2 (3.3-6.0)	4.8 (3.8-6.6)	2168 (1729-3084)	4593 (3664-6408)	292 (233-415)	542 (432-756)
	CVD DALYs	2.2 (1.8-3.3)	2.3 (1.8-3.4)	13099 (10702-19492)	10667 (8687-16163)	1762 (1440-2622)	1259 (1025-1908)
	T2D Deaths	2.1 (1.7-3.1)	2.2 (1.8-3.2)	24.5 (20.3-36.3)	38.3 (31.6-55.7)	3.3 (2.7-4.9)	4.5 (3.7-6.6)
Grenada	CVD Deaths	1.4 (1.2-2.0)	1.4 (1.1-1.9)	504 (416-709)	432 (353-612)	67.9 (56.0-95.4)	51.0 (41.6-72.2)
	T2D Incidence	35.7 (28.7-43.4)	25.8 (19.9-32.8)	76.4 (61.8-93.0)	170 (131-217)	1565 (1267-1905)	2170 (1668-2775)
	CVD Incidence	15.7 (12.1-20.3)	12.7 (9.4-16.9)	56.6 (43.5-73.8)	65.5 (48.8-88.5)	1161 (892-1512)	838 (624-1131)
	T2D DALYs	23.9 (18.8-30.5)	17.9 (13.5-23.5)	400 (315-508)	560 (421-735)	8195 (6446-10421)	7160 (5381-9395)
	CVD DALYs	15.4 (12.0-20.0)	11.0 (8.2-15.1)	541 (420-700)	330 (244-456)	11097 (8617-14336)	4223 (3121-5833)
Guatemala	T2D Deaths	17.5 (13.4-23.0)	13.4 (9.9-18.2)	11.2 (8.6-14.8)	11.3 (8.3-15.4)	230 (176-303)	144 (106-197)
	CVD Deaths	11.3 (8.6-15.2)	8.5 (6.2-11.9)	21.0 (15.9-28.2)	12.3 (8.9-17.2)	431 (327-578)	157 (113-220)
	T2D Incidence	10.9 (8.2-14.5)	26.8 (21.4-33.2)	920 (691-1243)	15138 (12030-18862)	230 (173-311)	1514 (1203-1887)
	CVD Incidence	4.7 (3.5-6.9)	11.3 (8.7-14.6)	517 (381-763)	3829 (2902-5006)	129 (95.4-191)	383 (290-501)
	T2D DALYs	7.9 (6.0-10.6)	18.2 (14.3-23.0)	2198 (1674-2947)	47945 (37582-60377)	550 (419-737)	4796 (3759-6040)
Guinea	CVD DALYs	5.4 (4.0-7.5)	11.5 (8.9-14.8)	5869 (4401-8057)	23823 (18616-30519)	1469 (1102-2016)	2383 (1862-3053)
	T2D Deaths	5.7 (4.4-7.8)	13.8 (10.7-17.8)	31.7 (24.2-42.6)	897 (693-1152)	7.9 (6.0-10.7)	89.8 (69.4-115)
	CVD Deaths	3.7 (2.8-5.3)	7.6 (5.8-9.8)	165 (126-235)	774 (597-1008)	41.3 (31.5-58.8)	77.4 (59.7-101)
	T2D Incidence	4.4 (2.8-6.8)	9.6 (6.2-13.9)	204 (129-319)	1436 (946-2100)	71.6 (45.2-112)	241 (158-352)
	CVD Incidence	1.9 (1.2-3.3)	3.9 (2.4-6.5)	265 (161-471)	976 (607-1655)	93.0 (56.3-165)	164 (102-277)
	T2D DALYs	3.4 (2.1-5.5)	7.1 (4.5-10.6)	889 (541-1424)	5004 (3205-7472)	312 (190-499)	839 (537-1252)
	CVD DALYs	1.6 (1.0-2.8)	3.4 (2.1-5.6)	1594 (966-2802)	6690 (4042-10854)	559 (339-982)	1121 (677-1819)
	T2D Deaths	2.5 (1.5-4.2)	4.9 (3.1-7.7)	21.1 (12.5-35.1)	98.5 (60.9-154)	7.4 (4.4-12.3)	16.5 (10.2-25.7)
	CVD Deaths	1.3 (0.7-2.2)	2.5 (1.5-4.2)	56.2 (33.8-102)	221 (130-373)	19.7 (11.9-35.9)	37.0 (21.8-62.5)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Guinea-Bissau	T2D Incidence	0.2 (0.1-0.3)	27.1 (19.2-35.7)	1.3 (0.8-2.8)	834 (592-1110)	3.1 (1.9-6.6)	891 (633-1187)
	CVD Incidence	0.1 (0.0-0.1)	12.7 (8.4-18.3)	1.3 (0.8-2.4)	437 (289-637)	3.1 (1.8-5.7)	467 (309-681)
	T2D DALYs	0.1 (0.1-0.2)	21.7 (14.9-29.3)	6.2 (3.8-12.4)	2901 (1987-3931)	14.6 (8.9-29.2)	3101 (2123-4201)
	CVD DALYs	0.1 (0.0-0.1)	12.0 (7.9-17.6)	13.2 (7.9-23.8)	4237 (2779-6279)	31.1 (18.6-55.9)	4529 (2970-6711)
	T2D Deaths	0.1 (0.1-0.2)	16.8 (11.2-23.9)	0.1 (0.1-0.3)	52.7 (34.9-75.5)	0.3 (0.2-0.6)	56.3 (37.3-80.7)
	CVD Deaths	0.1 (0.0-0.1)	9.5 (6.0-14.2)	0.4 (0.3-0.8)	127 (81.0-193)	1.0 (0.6-1.8)	136 (86.6-206)
Guyana	T2D Incidence	37.6 (27.6-50.2)	28.7 (20.4-40.1)	873 (635-1171)	1500 (1060-2086)	2242 (1632-3009)	3039 (2147-4227)
	CVD Incidence	17.6 (12.2-24.7)	12.7 (8.6-18.6)	359 (244-510)	386 (262-567)	922 (627-1310)	782 (531-1150)
	T2D DALYs	27.0 (19.2-37.1)	19.6 (13.5-28.1)	2914 (2060-4002)	4489 (3077-6406)	7484 (5290-10279)	9094 (6234-12978)
	CVD DALYs	17.4 (12.0-24.6)	12.0 (8.0-17.6)	4668 (3233-6635)	3266 (2177-4839)	11990 (8305-17041)	6618 (4411-9804)
	T2D Deaths	21.3 (14.7-29.8)	15.0 (10.1-21.7)	58.6 (40.7-82.3)	75.5 (50.7-110)	150 (105-211)	153 (103-222)
	CVD Deaths	13.3 (9.1-19.2)	9.1 (6.1-13.8)	150 (103-216)	109 (72.5-165)	386 (265-555)	221 (147-334)
Haiti	T2D Incidence	11.4 (7.6-17.4)	14.6 (9.9-21.2)	1614 (1069-2415)	7669 (5254-11187)	487 (322-728)	1170 (802-1707)
	CVD Incidence	5.3 (3.5-8.7)	6.8 (4.5-10.5)	840 (562-1381)	2242 (1522-3491)	253 (170-416)	342 (232-533)
	T2D DALYs	7.7 (5.2-11.9)	9.7 (6.6-14.6)	6604 (4495-10317)	20312 (13816-30677)	1991 (1355-3111)	3099 (2108-4680)
	CVD DALYs	5.0 (3.4-8.3)	6.2 (4.2-9.6)	11425 (7517-18884)	24026 (16081-37625)	3445 (2267-5694)	3665 (2453-5740)
	T2D Deaths	6.1 (4.1-9.6)	7.1 (4.9-11.4)	147 (99.4-233)	339 (227-542)	44.3 (30.0-70.3)	51.7 (34.7-82.6)
	CVD Deaths	3.9 (2.6-6.5)	4.7 (3.2-7.6)	361 (240-610)	750 (500-1216)	109 (72.2-184)	114 (76.2-186)
Honduras	T2D Incidence	20.2 (16.1-25.6)	32.5 (26.3-39.7)	1122 (885-1425)	9973 (8075-12259)	525 (414-667)	1709 (1384-2101)
	CVD Incidence	9.0 (6.8-12.1)	14.1 (10.9-18.4)	686 (513-932)	3683 (2836-4772)	321 (240-436)	631 (486-818)
	T2D DALYs	14.6 (11.3-18.9)	22.1 (17.4-27.8)	2466 (1911-3207)	20778 (16382-26202)	1153 (894-1500)	3562 (2808-4491)
	CVD DALYs	8.7 (6.5-11.6)	12.1 (9.3-15.8)	5064 (3852-6773)	27641 (20893-36416)	2369 (1801-3168)	4738 (3581-6242)
	T2D Deaths	10.8 (8.3-14.4)	15.6 (12.0-20.3)	31.5 (24.3-42.2)	264 (202-343)	14.7 (11.4-19.8)	45.2 (34.7-58.7)
	CVD Deaths	6.2 (4.7-8.7)	9.3 (6.9-12.3)	158 (118-219)	1024 (766-1372)	74.1 (55.3-103)	176 (131-235)
Hungary	T2D Incidence	7.0 (5.5-10.0)	6.5 (5.1-9.4)	1768 (1376-2496)	2438 (1878-3551)	236 (184-334)	313 (241-456)
	CVD Incidence	2.8 (2.2-3.9)	2.2 (1.7-3.1)	2962 (2293-4167)	2168 (1666-2995)	396 (306-557)	279 (214-385)
	T2D DALYs	4.5 (3.5-6.5)	3.7 (2.9-5.3)	3612 (2829-5286)	4860 (3750-6895)	483 (378-706)	624 (482-886)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Iceland	CVD DALYs	2.9 (2.3-4.0)	2.1 (1.6-2.9)	31451 (24301-42796)	15540 (11839-21438)	4202 (3247-5718)	1997 (1521-2755)
	T2D Deaths	3.4 (2.6-4.9)	2.5 (1.9-3.6)	60.3 (46.4-86.2)	72.0 (54.7-103)	8.1 (6.2-11.5)	9.2 (7.0-13.2)
	CVD Deaths	2.1 (1.6-2.9)	1.5 (1.2-2.1)	1140 (875-1528)	690 (530-938)	152 (117-204)	88.7 (68.1-120)
	T2D Incidence	12.9 (10.5-16.5)	14.2 (11.3-18.2)	30.3 (24.5-39.0)	116 (92.1-148)	178 (144-229)	456 (363-583)
	CVD Incidence	4.0 (3.2-5.9)	4.2 (3.5-6.5)	41.4 (33.6-61.8)	57.4 (46.7-85.9)	243 (198-363)	226 (184-339)
	T2D DALYs	7.1 (5.9-9.4)	8.5 (7.0-11.6)	45.5 (37.6-60.3)	158 (128-214)	268 (221-354)	623 (506-844)
	CVD DALYs	3.6 (3.0-5.2)	3.7 (3.0-5.4)	388 (323-566)	277 (226-403)	2279 (1898-3322)	1093 (893-1589)
India	T2D Deaths	3.2 (2.7-4.8)	3.3 (2.7-4.7)	0.5 (0.4-0.8)	0.8 (0.7-1.2)	3.1 (2.6-4.5)	3.3 (2.7-4.8)
	CVD Deaths	2.4 (2.0-3.6)	2.3 (1.9-3.4)	15.1 (12.6-22.4)	11.0 (9.0-16.0)	88.5 (74.2-132)	43.6 (35.7-63.3)
	T2D Incidence	0.7 (0.4-1.6)	0.7 (0.4-1.8)	6201 (3685-14835)	24693 (14541-61068)	13.7 (8.1-32.7)	27.7 (16.3-68.4)
	CVD Incidence	0.2 (0.2-0.4)	0.3 (0.2-0.6)	7373 (4478-13592)	21356 (12776-39254)	16.3 (9.9-30.0)	23.9 (14.3-44.0)
	T2D DALYs	0.5 (0.3-0.9)	0.5 (0.3-1.0)	15780 (9416-31694)	58562 (34524-122617)	34.8 (20.8-69.9)	65.6 (38.7-137)
	CVD DALYs	0.3 (0.2-0.6)	0.3 (0.2-0.6)	54554 (33481-110857)	150172 (90153-283237)	120 (73.8-244)	168 (101-317)
	T2D Deaths	0.3 (0.2-0.6)	0.3 (0.2-0.6)	291 (173-531)	1006 (590-1820)	0.6 (0.4-1.2)	1.1 (0.7-2.0)
Indonesia	CVD Deaths	0.2 (0.1-0.4)	0.2 (0.1-0.4)	1556 (962-2805)	4707 (2820-8537)	3.4 (2.1-6.2)	5.3 (3.2-9.6)
	T2D Incidence	1.3 (1.0-2.7)	2.4 (1.7-4.0)	2387 (1711-4696)	18232 (12773-30637)	25.0 (17.9-49.2)	102 (71.3-171)
	CVD Incidence	0.5 (0.4-0.9)	0.9 (0.7-1.5)	1541 (1125-2973)	8061 (5882-13484)	16.2 (11.8-31.2)	45.0 (32.8-75.2)
	T2D DALYs	0.9 (0.6-1.6)	1.6 (1.2-2.6)	6167 (4519-11595)	39799 (29206-66036)	64.7 (47.4-122)	222 (163-368)
	CVD DALYs	0.6 (0.5-1.4)	1.1 (0.8-2.0)	23772 (17348-50819)	117078 (83597-207261)	249 (182-533)	653 (466-1156)
	T2D Deaths	0.6 (0.5-1.1)	1.2 (0.8-1.9)	113 (83.3-199)	673 (500-1104)	1.2 (0.9-2.1)	3.8 (2.8-6.2)
	CVD Deaths	0.4 (0.3-0.9)	0.8 (0.6-1.3)	589 (432-1165)	3204 (2330-5340)	6.2 (4.5-12.2)	17.9 (13.0-29.8)
Iran, Islamic Rep.	T2D Incidence	8.9 (7.4-11.4)	9.2 (7.6-12.0)	4458 (3691-5690)	28198 (23346-36591)	178 (148-228)	489 (405-634)
	CVD Incidence	4.5 (3.8-6.7)	4.7 (3.9-6.6)	12308 (10271-17857)	32869 (27373-47321)	493 (411-715)	570 (475-820)
	T2D DALYs	6.3 (5.3-8.4)	6.5 (5.5-8.7)	8251 (6931-10938)	48404 (40847-64347)	330 (277-438)	839 (708-1116)
	CVD DALYs	4.6 (3.8-6.4)	4.3 (3.6-5.8)	76183 (63429-107707)	114674 (96594-154829)	3049 (2538-4310)	1988 (1675-2684)
	T2D Deaths	4.8 (4.0-6.7)	4.6 (3.8-6.4)	129 (106-180)	651 (541-903)	5.2 (4.3-7.2)	11.3 (9.4-15.7)
	CVD Deaths	3.6 (3.0-5.2)	3.2 (2.6-4.4)	2438 (2023-3482)	4150 (3453-5755)	97.6 (81.0-139)	71.9 (59.9-99.8)
	T2D Incidence	20.9 (14.1-30.3)	18.0 (12.0-26.8)	7319 (4812-10638)	41132 (27300-61992)	988 (649-1436)	1968 (1306-2966)
Iraq	CVD Incidence	9.4 (6.3-14.8)	8.4 (5.5-13.4)	8554 (5719-13465)	22033 (14604-35356)	1155 (772-1817)	1054 (699-1692)
	T2D DALYs	14.2 (9.5-21.4)	12.6 (8.4-19.2)	16627 (11162-25117)	67754 (44848-103386)	2244 (1507-3390)	3242 (2146-4946)
	CVD DALYs	9.1 (6.1-14.0)	7.3 (4.9-11.4)	57497 (38310-88960)	111612 (74105-175144)	7760 (5171-12007)	5340 (3545-8380)
	T2D Deaths	10.7 (7.1-16.7)	8.9 (6.0-14.1)	315 (208-499)	821 (546-1316)	42.5 (28.1-67.3)	39.3 (26.1-63.0)
	CVD Deaths	7.1 (4.8-11.2)	5.8 (3.9-9.4)	1947 (1310-3053)	3894 (2588-6299)	263 (177-412)	186 (124-301)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Ireland	T2D Incidence	13.3 (10.5-16.6)	12.3 (9.6-15.7)	533 (417-667)	1316 (1028-1663)	242 (190-303)	366 (286-462)
	CVD Incidence	4.0 (3.1-5.7)	3.9 (3.1-5.6)	701 (549-1017)	645 (502-927)	319 (249-462)	179 (139-258)
	T2D DALYs	7.0 (5.6-9.2)	7.3 (5.7-9.5)	968 (769-1278)	1735 (1348-2282)	440 (349-581)	482 (375-634)
	CVD DALYs	4.2 (3.3-5.9)	3.5 (2.8-4.9)	8914 (7048-12511)	3416 (2692-4781)	4052 (3204-5687)	950 (748-1329)
	T2D Deaths	4.0 (3.2-5.8)	2.9 (2.3-4.1)	17.2 (13.7-25.0)	12.4 (9.9-17.7)	7.8 (6.2-11.4)	3.4 (2.7-4.9)
	CVD Deaths	3.1 (2.4-4.4)	2.3 (1.8-3.1)	349 (277-502)	136 (108-188)	159 (126-228)	37.8 (30.0-52.4)
Israel	T2D Incidence	20.0 (17.0-24.5)	16.1 (13.5-20.8)	1592 (1346-1963)	4227 (3527-5504)	605 (511-745)	758 (632-986)
	CVD Incidence	8.5 (7.0-11.0)	6.6 (5.5-8.9)	1503 (1237-1948)	1591 (1320-2178)	571 (470-740)	285 (237-390)
	T2D DALYs	13.8 (11.7-17.6)	10.2 (8.5-13.3)	4094 (3448-5242)	7856 (6599-10127)	1555 (1310-1990)	1408 (1183-1815)
	CVD DALYs	9.1 (7.5-11.7)	5.7 (4.7-7.5)	16317 (13537-21064)	6018 (4988-7961)	6196 (5141-7999)	1079 (894-1427)
	T2D Deaths	10.6 (8.8-14.2)	6.5 (5.4-8.7)	100 (83.2-136)	156 (128-208)	38.1 (31.6-51.5)	28.0 (22.9-37.3)
	CVD Deaths	7.5 (6.1-9.9)	4.3 (3.5-5.6)	715 (586-952)	275 (224-359)	272 (223-361)	49.3 (40.2-64.4)
Italy	T2D Incidence	5.1 (4.3-7.2)	5.3 (4.4-7.7)	6058 (5068-8450)	9517 (8029-14005)	140 (117-195)	191 (161-282)
	CVD Incidence	1.8 (1.5-2.5)	1.9 (1.6-2.7)	5557 (4785-8046)	5485 (4665-8150)	128 (110-186)	110 (93.8-164)
	T2D DALYs	2.6 (2.3-3.8)	2.7 (2.3-3.8)	12670 (11042-18206)	16331 (14135-23196)	292 (255-420)	328 (284-466)
	CVD DALYs	1.6 (1.4-2.3)	1.2 (1.1-1.7)	41425 (35847-59475)	21775 (18770-30065)	956 (827-1373)	438 (377-605)
	T2D Deaths	1.7 (1.5-2.6)	1.3 (1.1-1.7)	301 (264-454)	252 (220-329)	6.9 (6.1-10.5)	5.1 (4.4-6.6)
	CVD Deaths	1.1 (0.9-1.5)	0.8 (0.7-1.0)	1661 (1442-2246)	1040 (902-1319)	38.3 (33.3-51.8)	20.9 (18.1-26.5)
Jamaica	T2D Incidence	28.4 (22.7-35.1)	26.4 (20.7-33.0)	1347 (1078-1663)	3354 (2645-4200)	1023 (819-1264)	1652 (1303-2069)
	CVD Incidence	13.8 (10.8-17.5)	12.3 (9.5-15.8)	1070 (831-1353)	1660 (1266-2138)	813 (631-1028)	818 (624-1053)
	T2D DALYs	19.3 (15.0-24.5)	17.3 (13.4-22.2)	6352 (4930-8066)	10760 (8245-13854)	4826 (3746-6128)	5301 (4062-6826)
	CVD DALYs	10.3 (8.0-13.3)	9.1 (7.0-11.8)	4578 (3544-5878)	5095 (3908-6646)	3478 (2693-4466)	2510 (1925-3274)
	T2D Deaths	15.1 (11.5-19.6)	11.8 (8.9-15.5)	183 (139-238)	243 (186-320)	139 (106-181)	120 (91.6-158)
	CVD Deaths	7.4 (5.7-9.7)	6.2 (4.7-8.2)	192 (145-252)	206 (155-272)	146 (111-191)	102 (76.3-134)
Japan	T2D Incidence	7.4 (6.1-10.5)	5.9 (4.9-8.8)	21970 (18216-31601)	28981 (24012-41922)	240 (199-346)	276 (229-399)
	CVD Incidence	2.2 (1.9-3.0)	1.5 (1.2-2.0)	7062 (5959-9580)	8396 (7121-11259)	77.3 (65.2-105)	79.9 (67.8-107)
	T2D DALYs	4.6 (3.9-6.7)	3.4 (2.9-5.1)	30656 (25858-44039)	45508 (38544-68406)	335 (283-482)	433 (367-651)
	CVD DALYs	2.1 (1.8-2.8)	1.5 (1.3-2.1)	68693 (58094-93164)	46030 (38954-65154)	751 (636-1019)	438 (371-620)
	T2D Deaths	2.7 (2.3-3.9)	1.7 (1.4-2.3)	309 (266-446)	158 (136-217)	3.4 (2.9-4.9)	1.5 (1.3-2.1)
	CVD Deaths	1.4 (1.2-1.8)	1.0 (0.8-1.2)	2561 (2179-3287)	1947 (1630-2439)	28.0 (23.8-36.0)	18.5 (15.5-23.2)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Jordan	T2D Incidence	20.0 (15.5-25.5)	25.7 (19.8-33.5)	1449 (1118-1866)	17947 (13573-23328)	962 (742-1239)	3089 (2336-4015)
	CVD Incidence	10.6 (7.9-14.3)	13.6 (10.1-18.7)	1556 (1140-2080)	9676 (7170-13238)	1033 (757-1381)	1665 (1234-2278)
	T2D DALYs	14.5 (11.1-19.0)	19.2 (14.6-25.2)	3209 (2440-4200)	25278 (19159-33715)	2131 (1620-2789)	4350 (3297-5802)
	CVD DALYs	10.7 (8.1-14.1)	12.5 (9.4-16.7)	8736 (6562-11513)	24094 (18146-32300)	5800 (4357-7645)	4146 (3123-5559)
	T2D Deaths	11.7 (8.7-16.1)	13.9 (10.5-18.9)	67.8 (50.4-93.5)	283 (213-391)	45.0 (33.5-62.1)	48.7 (36.7-67.4)
	CVD Deaths	8.3 (6.2-11.0)	9.7 (7.3-13.4)	265 (199-352)	750 (558-1024)	176 (132-234)	129 (96.0-176)
Kazakhstan	T2D Incidence	2.9 (1.9-5.1)	5.4 (3.5-8.6)	542 (348-948)	2904 (1900-4632)	55.3 (35.5-96.7)	238 (156-380)
	CVD Incidence	0.9 (0.6-1.6)	1.8 (1.2-2.9)	903 (605-1576)	2079 (1397-3356)	92.1 (61.7-161)	171 (115-275)
	T2D DALYs	1.7 (1.1-2.9)	3.3 (2.2-5.2)	875 (586-1507)	4263 (2840-6780)	89.3 (59.7-154)	350 (233-556)
	CVD DALYs	1.0 (0.7-1.8)	1.5 (1.0-2.4)	9718 (6546-17370)	13227 (8973-21755)	991 (667-1771)	1085 (736-1785)
	T2D Deaths	1.1 (0.8-2.0)	2.0 (1.4-3.3)	9.1 (6.2-16.0)	28.5 (19.3-46.4)	0.9 (0.6-1.6)	2.3 (1.6-3.8)
	CVD Deaths	0.7 (0.5-1.2)	1.1 (0.7-1.7)	315 (212-529)	505 (339-811)	32.1 (21.6-53.9)	41.4 (27.8-66.5)
Kenya	T2D Incidence	5.0 (2.8-8.7)	3.5 (1.9-6.2)	472 (263-820)	1221 (680-2177)	50.1 (27.9-86.9)	45.2 (25.2-80.6)
	CVD Incidence	2.5 (1.4-4.9)	1.7 (0.9-3.5)	890 (473-1747)	1636 (867-3256)	94.4 (50.2-185)	60.6 (32.1-121)
	T2D DALYs	4.2 (2.3-7.6)	2.8 (1.5-5.2)	2402 (1310-4286)	6043 (3309-11153)	255 (139-454)	224 (123-413)
	CVD DALYs	2.2 (1.2-4.1)	1.6 (0.9-3.1)	2516 (1349-4781)	6543 (3567-12427)	267 (143-507)	242 (132-460)
	T2D Deaths	3.1 (1.7-5.9)	2.1 (1.1-4.2)	58.9 (31.2-111)	143 (76.5-289)	6.2 (3.3-11.7)	5.3 (2.8-10.7)
	CVD Deaths	1.6 (0.8-3.1)	1.2 (0.6-2.3)	74.9 (39.6-148)	195 (103-372)	7.9 (4.2-15.7)	7.2 (3.8-13.8)
Kiribati	T2D Incidence	3.9 (2.5-6.9)	7.9 (5.0-12.5)	8.2 (5.1-14.5)	52.4 (33.1-83.4)	224 (140-395)	789 (498-1257)
	CVD Incidence	1.2 (0.7-2.2)	2.3 (1.5-3.9)	2.1 (1.3-3.9)	7.7 (4.9-13.0)	56.4 (36.1-106)	116 (74.2-196)
	T2D DALYs	2.1 (1.3-3.9)	4.2 (2.7-7.2)	34.0 (21.9-62.7)	180 (115-308)	925 (595-1704)	2717 (1732-4636)
	CVD DALYs	1.6 (1.0-3.3)	3.3 (2.1-5.9)	36.7 (23.3-74.3)	151 (96.1-270)	999 (634-2021)	2274 (1448-4076)
	T2D Deaths	1.5 (1.0-2.9)	3.0 (1.9-5.2)	0.7 (0.5-1.4)	3.5 (2.2-6.0)	20.0 (12.8-37.5)	52.7 (33.5-89.7)
	CVD Deaths	1.2 (0.8-2.4)	2.5 (1.6-4.4)	0.9 (0.6-1.8)	3.7 (2.3-6.7)	24.8 (15.7-48.8)	55.9 (35.0-100)
Korea, Rep.	T2D Incidence	3.5 (3.0-6.2)	3.0 (2.6-5.0)	2951 (2503-5294)	9606 (8352-16314)	107 (90.9-192)	227 (197-385)
	CVD Incidence	0.9 (0.8-1.3)	0.8 (0.7-1.1)	991 (876-1404)	1253 (1114-1743)	36.0 (31.8-51.0)	29.6 (26.3-41.1)
	T2D DALYs	2.0 (1.8-3.5)	1.8 (1.6-2.9)	5018 (4396-8747)	14000 (12229-22596)	182 (160-317)	330 (289-533)
	CVD DALYs	0.9 (0.8-1.5)	0.7 (0.6-1.0)	7101 (6265-11337)	5923 (5275-8460)	258 (227-411)	140 (125-200)
	T2D Deaths	1.4 (1.2-2.2)	0.9 (0.8-1.2)	76.6 (67.5-120)	84.3 (74.2-118)	2.8 (2.5-4.4)	2.0 (1.8-2.8)
	CVD Deaths	0.6 (0.5-0.9)	0.5 (0.4-0.6)	202 (179-291)	207 (181-267)	7.3 (6.5-10.6)	4.9 (4.3-6.3)
Kuwait	T2D Incidence	14.3 (9.4-21.5)	36.7 (26.1-49.2)	616 (402-917)	13937 (9855-18844)	521 (340-775)	4454 (3150-6022)
	CVD Incidence	7.3 (4.8-12.5)	20.7 (14.3-30.1)	538 (353-950)	6916 (4741-9945)	455 (298-803)	2210 (1515-3178)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Kyrgyz Republic	T2D DALYs	10.8 (7.2-16.8)	29.6 (21.0-40.7)	769 (510-1196)	16834 (11942-23032)	650 (431-1011)	5380 (3816-7361)
	CVD DALYs	8.1 (5.3-13.3)	21.6 (14.8-31.7)	2779 (1795-4560)	20045 (13809-29646)	2349 (1518-3855)	6406 (4413-9474)
	T2D Deaths	7.4 (4.9-12.0)	18.5 (12.7-27.0)	7.4 (4.9-12.2)	101 (68.6-148)	6.3 (4.1-10.3)	32.3 (21.9-47.3)
	CVD Deaths	6.3 (4.1-10.7)	16.5 (11.2-24.8)	74.0 (48.5-125)	555 (377-828)	62.5 (41.0-105)	177 (120-265)
	T2D Incidence	11.8 (8.2-16.8)	16.1 (11.5-22.0)	353 (246-501)	1748 (1247-2411)	152 (106-216)	449 (320-619)
	CVD Incidence	3.7 (2.6-5.7)	5.2 (3.7-7.8)	779 (537-1186)	1576 (1128-2389)	336 (232-511)	405 (290-613)
Lao PDR	T2D DALYs	7.1 (4.9-10.4)	9.9 (7.0-14.4)	614 (431-908)	2661 (1891-3880)	265 (186-392)	683 (486-996)
	CVD DALYs	4.0 (2.8-6.0)	5.1 (3.6-7.6)	8323 (5879-12551)	13416 (9520-20175)	3589 (2535-5412)	3445 (2445-5181)
	T2D Deaths	5.1 (3.4-8.2)	6.9 (4.9-10.9)	7.4 (5.1-12.0)	24.1 (17.2-38.2)	3.2 (2.2-5.2)	6.2 (4.4-9.8)
	CVD Deaths	2.8 (1.9-4.3)	3.7 (2.6-5.7)	273 (189-417)	466 (329-730)	118 (81.7-180)	120 (84.4-187)
	T2D Incidence	1.2 (0.8-2.6)	3.8 (2.8-5.9)	47.1 (31.9-107)	715 (524-1111)	24.7 (16.7-56.1)	169 (124-262)
	CVD Incidence	0.4 (0.3-0.8)	1.4 (1.0-2.1)	29.4 (20.1-52.2)	201 (151-312)	15.4 (10.5-27.3)	47.3 (35.7-73.5)
Latvia	T2D DALYs	0.8 (0.5-1.6)	2.5 (1.9-4.2)	189 (130-378)	1562 (1163-2583)	99.0 (67.9-198)	368 (274-609)
	CVD DALYs	0.6 (0.4-1.3)	1.9 (1.4-3.1)	913 (627-1993)	4191 (3129-6881)	478 (328-1043)	988 (737-1622)
	T2D Deaths	0.6 (0.4-1.1)	1.8 (1.3-3.0)	4.2 (2.9-7.6)	25.5 (19.2-44.1)	2.2 (1.5-4.0)	6.0 (4.5-10.4)
	CVD Deaths	0.4 (0.3-0.8)	1.2 (0.9-1.9)	24.3 (16.7-45.5)	111 (82.0-173)	12.7 (8.7-23.8)	26.2 (19.3-40.9)
	T2D Incidence	4.0 (3.1-6.0)	4.0 (3.1-5.9)	121 (93.8-185)	202 (154-299)	63.6 (49.1-97.1)	135 (104-201)
	CVD Incidence	1.1 (0.9-1.7)	1.0 (0.8-1.5)	283 (223-426)	226 (180-334)	148 (117-223)	152 (121-224)
Lebanon	T2D DALYs	2.3 (1.8-3.9)	2.1 (1.7-3.3)	232 (185-397)	475 (374-746)	122 (96.8-208)	319 (251-501)
	CVD DALYs	1.3 (1.0-2.2)	1.0 (0.8-1.5)	4031 (3166-6808)	1842 (1447-2740)	2113 (1659-3568)	1237 (971-1839)
	T2D Deaths	1.7 (1.4-2.8)	1.5 (1.1-2.2)	3.3 (2.7-5.4)	8.0 (6.3-12.1)	1.7 (1.4-2.8)	5.4 (4.3-8.1)
	CVD Deaths	0.9 (0.7-1.4)	0.7 (0.6-1.0)	156 (123-230)	85.5 (66.2-122)	81.7 (64.7-120)	57.4 (44.5-82.0)
	T2D Incidence	20.1 (16.8-24.7)	22.7 (18.8-28.4)	1316 (1101-1614)	6751 (5556-8363)	915 (766-1123)	1488 (1224-1843)
	CVD Incidence	10.6 (8.6-14.3)	10.1 (8.2-13.4)	2446 (1975-3388)	6160 (5006-8300)	1701 (1373-2356)	1357 (1103-1829)
Lesotho	T2D DALYs	14.5 (12.0-18.3)	14.8 (12.3-18.5)	3828 (3167-4861)	13224 (10938-16829)	2662 (2203-3381)	2914 (2410-3708)
	CVD DALYs	11.1 (9.1-14.7)	9.1 (7.5-11.8)	14525 (11790-19203)	12825 (10411-16400)	10102 (8200-13355)	2826 (2294-3614)
	T2D Deaths	11.6 (9.4-15.0)	9.7 (7.7-12.9)	81.2 (65.6-106)	179 (139-237)	56.5 (45.6-73.9)	39.5 (30.7-52.3)
	CVD Deaths	8.7 (7.1-11.6)	6.5 (5.2-8.5)	491 (397-664)	514 (412-667)	341 (276-462)	113 (90.8-147)
	T2D Incidence	13.5 (9.2-19.8)	29.8 (21.5-39.7)	171 (115-249)	1183 (853-1583)	231 (156-337)	958 (691-1282)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Liberia	CVD Incidence	6.8 (4.4-11.3)	15.9 (10.9-23.0)	222 (141-364)	746 (507-1089)	300 (190-493)	604 (410-882)
	T2D DALYs	10.5 (6.7-16.2)	23.3 (16.0-32.8)	976 (625-1511)	6785 (4649-9507)	1322 (847-2047)	5495 (3766-7700)
	CVD DALYs	5.3 (3.3-8.7)	14.3 (9.5-21.1)	814 (506-1356)	5140 (3421-7624)	1103 (686-1837)	4163 (2771-6175)
	T2D Deaths	8.7 (5.4-13.7)	19.8 (12.8-29.3)	30.2 (18.6-47.5)	196 (126-284)	41.0 (25.2-64.3)	158 (102-230)
	CVD Deaths	4.0 (2.4-6.7)	11.2 (7.3-17.4)	29.6 (17.9-50.3)	175 (114-275)	40.1 (24.2-68.2)	142 (92.0-223)
	T2D Incidence	8.2 (5.1-12.8)	29.5 (20.9-39.3)	165 (103-257)	2460 (1731-3305)	178 (111-277)	999 (703-1341)
	CVD Incidence	3.4 (2.1-5.9)	13.6 (9.1-20.3)	186 (111-320)	1322 (867-1975)	200 (120-345)	536 (352-802)
	T2D DALYs	6.2 (3.8-10.2)	23.6 (16.2-32.7)	634 (384-1047)	7582 (5236-10531)	683 (414-1129)	3077 (2125-4274)
	CVD DALYs	3.0 (1.8-5.1)	12.2 (8.1-18.3)	1141 (674-1978)	8301 (5491-12564)	1230 (727-2133)	3369 (2229-5099)
	T2D Deaths	4.6 (2.7-7.9)	17.2 (11.4-25.3)	13.9 (8.3-24.4)	125 (82.6-187)	15.0 (9.0-26.4)	50.9 (33.5-75.8)
Libya	CVD Deaths	2.3 (1.3-4.3)	9.0 (5.8-14.1)	39.8 (23.2-72.8)	259 (165-407)	42.9 (25.0-78.5)	105 (67.0-165)
	T2D Incidence	16.8 (11.8-23.9)	19.4 (13.4-28.1)	809 (570-1155)	7320 (5081-10591)	392 (276-560)	1664 (1155-2407)
	CVD Incidence	8.2 (5.5-12.3)	10.0 (6.8-14.8)	1464 (976-2205)	5022 (3419-7495)	710 (473-1069)	1141 (777-1703)
	T2D DALYs	11.8 (8.3-16.9)	14.4 (10.2-21.0)	1388 (971-1986)	11237 (7931-16325)	673 (471-963)	2554 (1802-3710)
	CVD DALYs	8.9 (6.2-12.9)	10.4 (7.2-15.1)	7525 (5264-10988)	26405 (18536-39075)	3649 (2552-5328)	6001 (4213-8880)
Lithuania	T2D Deaths	8.8 (6.1-13.3)	10.8 (7.5-16.2)	20.0 (13.7-30.4)	120 (83.3-181)	9.7 (6.6-14.8)	27.3 (18.9-41.2)
	CVD Deaths	6.4 (4.5-9.5)	7.8 (5.4-11.5)	233 (160-343)	811 (562-1204)	113 (77.6-166)	184 (128-274)
	T2D Incidence	3.6 (2.8-5.8)	4.8 (3.7-6.9)	132 (101-210)	291 (223-424)	51.1 (39.2-81.3)	133 (102-195)
	CVD Incidence	1.1 (0.8-1.6)	1.2 (0.9-1.8)	363 (282-548)	423 (329-640)	140 (109-212)	194 (151-294)
	T2D DALYs	2.1 (1.6-3.6)	2.6 (2.0-4.2)	206 (158-354)	640 (498-1045)	79.7 (61.0-137)	294 (229-480)
	CVD DALYs	1.2 (0.9-2.0)	1.2 (1.0-2.0)	4287 (3335-7057)	3370 (2584-5358)	1658 (1289-2729)	1547 (1186-2459)
	T2D Deaths	1.5 (1.2-2.7)	1.8 (1.4-2.9)	2.3 (1.8-4.0)	9.8 (7.6-15.6)	0.9 (0.7-1.6)	4.5 (3.5-7.2)
Luxembourg	CVD Deaths	0.9 (0.7-1.3)	0.9 (0.7-1.4)	165 (128-250)	154 (117-231)	63.9 (49.6-96.6)	70.6 (53.7-106)
	T2D Incidence	9.8 (7.3-13.7)	12.5 (9.4-17.4)	53.9 (40.1-76.4)	203 (151-285)	184 (137-260)	411 (306-577)
	CVD Incidence	3.0 (2.2-4.5)	3.9 (2.9-6.0)	39.3 (28.6-59.6)	64.9 (47.7-102)	134 (97.5-203)	131 (96.5-207)
	T2D DALYs	5.4 (4.1-7.8)	7.5 (5.6-10.5)	100 (75.2-144)	290 (216-407)	342 (256-491)	586 (436-824)
	CVD DALYs	2.9 (2.1-4.2)	3.0 (2.2-4.4)	649 (480-952)	349 (257-523)	2213 (1637-3247)	706 (520-1058)
	T2D Deaths	2.9 (2.2-4.3)	2.9 (2.1-4.1)	1.7 (1.3-2.5)	2.0 (1.5-2.9)	5.9 (4.3-8.6)	4.1 (3.1-5.9)
	CVD Deaths	2.0 (1.4-2.8)	1.9 (1.4-2.6)	25.6 (18.9-36.2)	14.6 (10.9-20.5)	87.4 (64.6-123)	29.6 (22.0-41.5)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Macedonia, FYR	T2D Incidence	2.6 (1.9-4.7)	15.1 (11.5-20.0)	118 (86.2-214)	1779 (1356-2373)	90.3 (66.0-164)	1097 (836-1463)
	CVD Incidence	1.1 (0.8-1.7)	6.0 (4.4-8.2)	111 (82.3-176)	1032 (766-1425)	84.9 (63.1-135)	636 (472-879)
	T2D DALYs	1.6 (1.2-2.9)	9.2 (6.8-12.6)	232 (173-417)	3565 (2649-4853)	178 (132-319)	2198 (1633-2991)
	CVD DALYs	1.0 (0.7-1.6)	4.8 (3.5-6.5)	1298 (969-2095)	8247 (6125-11390)	994 (742-1605)	5083 (3775-7021)
	T2D Deaths	1.2 (0.9-2.0)	6.6 (4.8-9.5)	4.3 (3.2-7.2)	61.4 (45.1-87.8)	3.3 (2.5-5.5)	37.8 (27.8-54.1)
	CVD Deaths	0.7 (0.5-1.1)	3.6 (2.6-5.0)	46.7 (34.5-73.8)	349 (256-492)	35.8 (26.4-56.5)	215 (158-303)
Madagascar	T2D Incidence	16.7 (11.3-23.8)	19.6 (13.8-27.7)	1027 (688-1454)	4374 (3060-6181)	203 (136-287)	322 (225-455)
	CVD Incidence	8.2 (5.2-13.1)	9.2 (5.8-14.2)	1874 (1192-3014)	4563 (2930-6946)	370 (235-594)	336 (216-511)
	T2D DALYs	14.7 (9.7-21.3)	16.2 (11.1-23.3)	6869 (4514-10059)	18847 (12805-27396)	1355 (890-1984)	1387 (943-2017)
	CVD DALYs	8.5 (5.4-13.4)	9.8 (6.4-15.1)	13762 (8730-21977)	36009 (23012-56029)	2714 (1722-4334)	2651 (1694-4124)
	T2D Deaths	11.5 (7.4-17.6)	12.6 (8.4-18.8)	174 (112-268)	380 (253-576)	34.3 (22.1-52.9)	28.0 (18.6-42.4)
	CVD Deaths	6.4 (4.1-10.5)	7.5 (4.9-11.8)	408 (256-664)	1000 (634-1547)	80.4 (50.5-131)	73.6 (46.7-114)
Malawi	T2D Incidence	7.3 (4.8-11.4)	3.1 (2.0-5.4)	346 (226-541)	369 (235-658)	81.8 (53.4-128)	42.3 (26.9-75.4)
	CVD Incidence	3.9 (2.5-6.9)	1.5 (1.0-2.8)	637 (405-1099)	458 (294-835)	151 (95.8-260)	52.4 (33.7-95.6)
	T2D DALYs	6.5 (4.2-10.3)	2.6 (1.6-4.5)	2722 (1752-4306)	2374 (1522-4192)	644 (414-1018)	272 (174-480)
	CVD DALYs	3.9 (2.5-6.5)	1.5 (1.0-2.8)	3550 (2336-5995)	3215 (2034-5883)	839 (552-1417)	368 (233-674)
	T2D Deaths	5.2 (3.3-8.7)	2.0 (1.2-3.4)	73.0 (47.1-122)	57.8 (36.0-102)	17.3 (11.1-28.8)	6.6 (4.1-11.7)
	CVD Deaths	2.9 (1.8-5.0)	1.1 (0.7-2.0)	105 (68.8-182)	93.3 (58.9-167)	24.8 (16.3-43.0)	10.7 (6.8-19.1)
Malaysia	T2D Incidence	6.1 (4.5-8.5)	5.7 (4.2-8.2)	1672 (1225-2357)	6991 (5136-10029)	176 (129-248)	316 (232-454)
	CVD Incidence	2.0 (1.5-2.9)	2.1 (1.6-3.5)	755 (577-1119)	2337 (1794-3851)	79.3 (60.6-118)	106 (81.2-174)
	T2D DALYs	3.7 (2.8-5.3)	3.8 (2.9-5.9)	3379 (2533-4841)	10862 (8142-16602)	355 (266-509)	491 (368-751)
	CVD DALYs	2.5 (1.9-3.8)	2.6 (2.0-4.3)	11304 (8505-17338)	25858 (19537-43103)	1187 (893-1821)	1170 (884-1950)
	T2D Deaths	2.5 (1.9-3.8)	2.7 (2.1-4.3)	57.7 (43.7-87.7)	119 (91.1-188)	6.1 (4.6-9.2)	5.4 (4.1-8.5)
	CVD Deaths	1.7 (1.3-2.6)	1.8 (1.4-3.0)	327 (250-499)	753 (578-1239)	34.4 (26.3-52.4)	34.0 (26.1-56.0)
Maldives	T2D Incidence	25.7 (16.8-35.1)	12.2 (6.9-19.3)	50.6 (33.1-69.8)	157 (88.3-247)	537 (351-740)	385 (216-605)
	CVD Incidence	10.1 (6.0-15.7)	5.1 (2.8-8.7)	29.0 (17.3-45.8)	47.8 (26.1-80.5)	308 (183-485)	117 (63.9-197)
	T2D DALYs	21.7 (13.5-30.7)	9.5 (5.3-15.3)	215 (134-305)	263 (148-423)	2285 (1426-3234)	645 (362-1037)
	CVD DALYs	12.4 (7.6-18.8)	5.7 (3.2-9.4)	586 (357-895)	382 (211-636)	6220 (3788-9490)	935 (516-1557)
	T2D Deaths	18.9 (11.2-27.7)	6.4 (3.5-11.0)	5.1 (3.1-7.4)	3.1 (1.7-5.3)	54.1 (32.6-78.8)	7.5 (4.1-12.9)
	CVD Deaths	10.1 (6.0-15.5)	3.7 (2.0-6.4)	16.7 (9.9-25.9)	11.1 (6.0-19.3)	178 (105-275)	27.2 (14.7-47.3)
Mali	T2D Incidence	5.8 (3.6-9.9)	7.8 (4.7-13.5)	615 (373-1049)	3598 (2127-6157)	171 (104-292)	424 (251-726)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Malta	CVD Incidence	2.7 (1.6-4.9)	3.4 (2.0-6.1)	434 (260-802)	1149 (688-2041)	121 (72.4-224)	135 (81.1-241)
	T2D DALYs	4.5 (2.8-7.9)	5.9 (3.6-10.2)	1976 (1220-3446)	8957 (5388-15477)	551 (340-960)	1056 (635-1825)
	CVD DALYs	2.4 (1.4-4.6)	2.9 (1.8-5.3)	2180 (1325-4311)	5614 (3370-10406)	607 (369-1201)	662 (397-1227)
	T2D Deaths	3.3 (2.1-6.0)	4.0 (2.4-7.2)	35.5 (21.5-63.6)	118 (70.7-214)	9.9 (6.0-17.7)	13.9 (8.3-25.2)
	CVD Deaths	1.8 (1.1-3.4)	2.1 (1.3-3.9)	69.9 (41.8-128)	178 (107-320)	19.5 (11.6-35.7)	21.0 (12.6-37.7)
	T2D Incidence	11.5 (8.6-16.1)	20.7 (15.8-27.1)	65.3 (48.1-90.9)	368 (284-485)	261 (192-363)	1029 (794-1357)
	CVD Incidence	4.4 (3.3-6.6)	6.5 (4.8-9.4)	46.8 (34.3-71.2)	101 (74.6-148)	187 (137-284)	282 (209-414)
	T2D DALYs	6.3 (4.7-9.2)	11.6 (8.9-15.9)	156 (117-228)	627 (479-864)	625 (466-912)	1753 (1340-2417)
	CVD DALYs	4.3 (3.2-6.5)	6.3 (4.7-8.9)	854 (638-1297)	869 (652-1243)	3411 (2547-5178)	2431 (1824-3478)
	T2D Deaths	4.0 (3.0-6.1)	5.9 (4.5-8.6)	4.0 (3.0-6.1)	7.8 (5.9-11.4)	15.9 (11.9-24.3)	21.9 (16.5-31.8)
Marshall Islands	CVD Deaths	3.1 (2.3-4.9)	4.2 (3.1-5.9)	33.1 (24.6-51.5)	36.7 (27.6-52.6)	132 (98.3-206)	103 (77.2-147)
	T2D Incidence	5.1 (3.3-8.3)	13.7 (9.5-19.7)	6.0 (3.9-9.9)	58.3 (40.2-84.9)	237 (157-393)	1598 (1101-2325)
	CVD Incidence	1.3 (0.9-2.2)	3.8 (2.7-5.8)	0.9 (0.6-1.5)	5.3 (3.7-8.1)	36.7 (25.5-61.5)	146 (102-221)
	T2D DALYs	2.6 (1.8-4.3)	7.1 (5.1-11.3)	15.5 (10.7-25.3)	164 (115-255)	614 (427-1007)	4485 (3154-6976)
	CVD DALYs	1.9 (1.3-3.3)	5.4 (3.7-8.6)	23.3 (15.9-41.8)	150 (103-237)	927 (632-1663)	4106 (2834-6490)
	T2D Deaths	1.7 (1.2-2.9)	5.0 (3.5-8.5)	0.3 (0.2-0.5)	2.6 (1.8-4.3)	10.5 (7.4-18.5)	70.5 (48.2-117)
	CVD Deaths	1.3 (0.9-2.5)	4.2 (2.9-6.8)	0.6 (0.4-1.1)	3.7 (2.6-6.0)	23.3 (16.2-43.4)	102 (71.5-165)
	T2D Incidence	12.0 (7.8-18.1)	32.9 (23.0-44.9)	171 (113-259)	1499 (1042-2063)	191 (125-288)	642 (446-884)
	CVD Incidence	5.3 (3.3-8.7)	16.1 (10.5-24.6)	271 (171-445)	1598 (1024-2417)	301 (191-495)	685 (439-1036)
	T2D DALYs	9.3 (5.8-14.3)	24.3 (16.2-34.7)	744 (471-1159)	5190 (3484-7492)	827 (523-1288)	2223 (1493-3210)
Mauritania	CVD DALYs	4.7 (2.9-8.0)	13.4 (8.6-20.3)	1992 (1222-3335)	8724 (5569-13415)	2214 (1358-3706)	3738 (2386-5747)
	T2D Deaths	7.0 (4.3-11.4)	17.6 (11.1-26.8)	18.1 (11.1-29.6)	115 (72.6-175)	20.1 (12.3-32.9)	49.4 (31.1-74.9)
	CVD Deaths	3.7 (2.3-6.4)	10.1 (6.2-16.2)	68.7 (40.8-120)	314 (194-500)	76.3 (45.4-133)	135 (83.0-214)
	T2D Incidence	60.6 (52.9-68.1)	47.7 (38.8-57.2)	1623 (1403-1835)	5320 (4287-6410)	2543 (2199-2875)	5520 (4448-6651)
	CVD Incidence	29.9 (22.4-38.1)	22.9 (16.6-31.3)	854 (649-1088)	1197 (859-1627)	1337 (1017-1705)	1242 (892-1688)
	T2D DALYs	51.5 (41.8-60.6)	39.2 (30.1-49.8)	6904 (5610-8116)	23524 (18040-29788)	10816 (8790-12716)	24409 (18719-30909)
	CVD DALYs	35.4 (27.5-43.7)	27.6 (21.0-35.5)	17514 (13618-21612)	12815 (9721-16569)	27440 (21336-33860)	13297 (10087-17192)
	T2D Deaths	46.5 (36.3-56.3)	33.1 (24.7-43.7)	166 (131-202)	579 (429-763)	260 (204-316)	601 (445-792)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Mexico	CVD Deaths	28.8 (21.2-37.1)	20.6 (14.8-28.2)	577 (426-744)	427 (307-585)	904 (667-1166)	443 (319-607)
	T2D Incidence	32.3 (28.7-36.6)	30.0 (26.4-35.0)	70019 (61867-79437)	169425 (148014-197396)	1694 (1497-1922)	2007 (1753-2338)
	CVD Incidence	15.0 (13.0-17.8)	13.5 (11.5-16.7)	26959 (23307-32603)	60850 (51694-75000)	652 (564-789)	721 (612-888)
	T2D DALYs	22.0 (19.5-25.8)	20.2 (17.6-24.0)	226579 (200584-264040)	597753 (520777-713712)	5483 (4854-6389)	7081 (6169-8455)
	CVD DALYs	13.9 (12.2-16.5)	13.4 (11.7-16.5)	148815 (130823-176870)	389257 (338284-477184)	3601 (3166-4280)	4611 (4007-5653)
Micronesia, Fed. Sts.	T2D Deaths	16.5 (14.4-19.6)	14.9 (12.9-18.3)	4591 (4025-5472)	11904 (10276-14588)	111 (97.4-132)	141 (122-173)
	CVD Deaths	9.6 (8.3-11.5)	9.2 (8.0-11.4)	4894 (4261-5890)	13128 (11329-16271)	118 (103-143)	156 (134-193)
	T2D Incidence	4.3 (2.9-7.0)	12.1 (8.4-17.1)	9.1 (6.1-14.9)	72.6 (50.0-103)	213 (142-349)	1072 (739-1519)
	CVD Incidence	1.2 (0.8-1.9)	3.6 (2.6-5.7)	2.7 (1.9-4.3)	11.5 (8.0-18.1)	62.3 (44.5-101)	170 (119-267)
	T2D DALYs	2.3 (1.6-3.8)	6.7 (4.8-9.9)	30.2 (21.6-51.3)	210 (149-309)	706 (505-1201)	3103 (2204-4572)
Moldova	CVD DALYs	1.7 (1.2-3.1)	5.2 (3.6-8.1)	65.4 (45.5-120)	287 (199-448)	1529 (1065-2803)	4240 (2936-6617)
	T2D Deaths	1.6 (1.1-2.6)	4.9 (3.5-7.5)	0.6 (0.4-1.0)	3.7 (2.6-5.9)	14.4 (10.3-24.4)	54.9 (38.9-86.5)
	CVD Deaths	1.2 (0.9-2.1)	3.9 (2.7-6.2)	1.7 (1.2-2.9)	7.3 (5.2-11.8)	40.1 (28.3-68.8)	109 (76.3-174)
	T2D Incidence	5.2 (3.6-8.4)	3.4 (2.3-5.6)	304 (207-484)	372 (256-623)	108 (73.8-173)	117 (80.2-195)
	CVD Incidence	1.7 (1.2-2.7)	1.0 (0.7-1.7)	504 (351-801)	378 (270-657)	180 (125-286)	118 (84.6-206)
Mongolia	T2D DALYs	3.2 (2.2-5.2)	2.0 (1.4-3.4)	525 (357-863)	667 (469-1145)	187 (127-308)	209 (147-359)
	CVD DALYs	1.8 (1.2-2.8)	1.1 (0.7-1.8)	5572 (3882-9006)	3364 (2389-5825)	1986 (1383-3209)	1054 (749-1826)
	T2D Deaths	2.4 (1.6-4.3)	1.4 (1.0-2.5)	6.6 (4.5-12.1)	7.2 (5.1-13.0)	2.3 (1.6-4.3)	2.2 (1.6-4.1)
	CVD Deaths	1.3 (0.9-2.1)	0.8 (0.6-1.4)	211 (146-341)	134 (93.2-229)	75.3 (52.1-121)	42.1 (29.2-71.7)
	T2D Incidence	14.1 (9.6-20.0)	13.9 (9.5-19.8)	146 (98.5-206)	720 (489-1023)	138 (93.2-195)	353 (240-502)
Montenegro	CVD Incidence	4.5 (3.0-6.6)	4.9 (3.4-7.2)	352 (243-517)	694 (473-1036)	334 (230-490)	340 (232-508)
	T2D DALYs	8.1 (5.5-11.7)	8.7 (5.9-12.7)	243 (166-349)	1216 (835-1784)	230 (157-330)	596 (409-874)
	CVD DALYs	4.8 (3.2-6.9)	5.1 (3.5-7.7)	3083 (2092-4482)	4595 (3109-6943)	2919 (1980-4243)	2252 (1524-3403)
	T2D Deaths	5.4 (3.7-8.2)	6.1 (4.1-9.4)	3.0 (2.0-4.5)	11.4 (7.8-17.8)	2.8 (1.9-4.3)	5.6 (3.8-8.7)
	CVD Deaths	3.4 (2.3-5.1)	3.6 (2.5-5.5)	102 (69.5-151)	138 (93.5-206)	96.5 (65.8-143)	67.5 (45.8-101)
	T2D Incidence	3.5 (1.4-8.2)	5.4 (2.2-12.5)	47.3 (19.5-111)	137 (57.4-322)	116 (47.9-272)	288 (121-677)
	CVD Incidence	1.6 (0.7-3.8)	2.2 (0.9-5.2)	41.1 (17.0-100)	93.9 (39.4-217)	101 (41.8-247)	197 (82.9-457)
	T2D DALYs	2.1 (0.9-5.1)	3.1 (1.3-7.5)	75.3 (31.6-178)	255 (106-601)	185 (77.8-438)	535 (222-1264)
	CVD DALYs	1.6 (0.7-3.8)	1.9 (0.8-4.5)	382 (158-920)	814 (349-1968)	941 (388-2263)	1711 (735-4138)
	T2D Deaths	1.5 (0.7-3.7)	2.1 (0.9-5.2)	1.1 (0.4-2.6)	3.8 (1.6-9.0)	2.6 (1.1-6.5)	7.9 (3.3-19.0)
	CVD Deaths	1.1 (0.5-2.6)	1.4 (0.6-3.3)	12.8 (5.4-29.8)	34.3 (14.6-81.2)	31.6 (13.2-73.4)	72.1 (30.6-171)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Morocco	T2D Incidence	14.0 (9.4-20.1)	16.9 (11.6-24.0)	5789 (3893-8290)	39094 (26903-55752)	471 (317-675)	1625 (1118-2317)
	CVD Incidence	6.5 (4.4-10.1)	7.8 (5.2-11.9)	10141 (6829-15965)	28828 (19448-44006)	826 (556-1300)	1198 (808-1829)
	T2D DALYs	9.8 (6.6-14.3)	11.9 (8.2-17.4)	9051 (6124-13154)	64107 (43982-92635)	737 (499-1071)	2664 (1828-3850)
	CVD DALYs	6.9 (4.7-10.2)	7.3 (4.9-11.0)	78912 (52664-116774)	162989 (109588-245834)	6425 (4288-9508)	6774 (4555-10217)
	T2D Deaths	7.2 (4.9-11.1)	8.6 (5.9-13.7)	110 (73.3-169)	625 (428-990)	9.0 (6.0-13.8)	26.0 (17.8-41.1)
	CVD Deaths	5.3 (3.6-7.9)	5.8 (3.9-8.9)	2601 (1760-3927)	6040 (4031-9330)	212 (143-320)	251 (168-388)
Mozambique	T2D Incidence	4.3 (2.4-7.7)	8.8 (4.9-14.2)	322 (179-578)	2379 (1337-3840)	58.5 (32.6-105)	171 (95.9-275)
	CVD Incidence	2.3 (1.3-4.8)	4.0 (2.2-7.2)	605 (325-1267)	1895 (1046-3536)	110 (59.0-230)	136 (75.0-254)
	T2D DALYs	3.9 (2.1-7.6)	7.1 (4.0-12.3)	2331 (1278-4457)	12364 (7017-21113)	424 (232-810)	887 (503-1514)
	CVD DALYs	1.7 (0.9-3.2)	3.2 (1.8-5.7)	1828 (987-3448)	8818 (4897-15709)	332 (179-627)	633 (351-1127)
	T2D Deaths	3.1 (1.7-6.1)	5.6 (3.1-9.9)	60.6 (33.4-119)	267 (150-469)	11.0 (6.1-21.6)	19.2 (10.8-33.6)
	CVD Deaths	1.3 (0.7-2.4)	2.4 (1.3-4.3)	58.8 (32.2-113)	267 (150-487)	10.7 (5.8-20.6)	19.2 (10.7-34.9)
Myanmar	T2D Incidence	1.1 (0.7-2.3)	8.3 (5.9-12.4)	717 (475-1450)	19758 (13970-29429)	33.8 (22.4-68.3)	557 (394-830)
	CVD Incidence	0.4 (0.3-0.7)	3.1 (2.2-4.8)	330 (221-572)	4799 (3350-7404)	15.5 (10.4-26.9)	135 (94.4-209)
	T2D DALYs	0.8 (0.5-1.4)	5.6 (4.0-8.6)	3264 (2181-6055)	52623 (36965-80848)	154 (103-285)	1484 (1042-2279)
	CVD DALYs	0.6 (0.4-1.1)	3.7 (2.6-5.6)	7801 (5283-15636)	67265 (47102-101143)	367 (249-736)	1896 (1328-2851)
	T2D Deaths	0.6 (0.4-1.0)	4.1 (2.9-6.5)	72.1 (49.1-122)	986 (697-1568)	3.4 (2.3-5.8)	27.8 (19.6-44.2)
	CVD Deaths	0.4 (0.3-0.7)	2.4 (1.7-3.8)	208 (138-365)	2013 (1427-3120)	9.8 (6.5-17.2)	56.8 (40.2-87.9)
Namibia	T2D Incidence	38.5 (28.4-50.8)	44.7 (33.2-58.0)	480 (354-631)	1767 (1306-2282)	758 (560-997)	1300 (960-1678)
	CVD Incidence	22.0 (15.2-31.8)	24.3 (16.6-34.6)	672 (457-972)	1471 (1008-2120)	1062 (722-1536)	1082 (741-1559)
	T2D DALYs	31.0 (21.2-43.7)	34.1 (23.7-47.1)	2935 (2006-4149)	8553 (5923-11766)	4641 (3172-6560)	6290 (4355-8651)
	CVD DALYs	20.0 (13.3-29.1)	22.2 (15.0-32.1)	4236 (2773-6181)	9510 (6437-13779)	6698 (4384-9772)	6993 (4733-10132)
	T2D Deaths	26.6 (17.4-39.7)	27.8 (18.2-40.7)	88.1 (57.9-130)	236 (152-342)	139 (91.6-205)	173 (112-252)
	CVD Deaths	16.2 (10.5-24.8)	17.2 (11.1-25.8)	143 (92.4-220)	328 (212-494)	227 (146-348)	241 (156-363)
Nepal	T2D Incidence	1.2 (0.6-2.8)	6.1 (3.1-11.4)	243 (114-539)	4624 (2341-8728)	27.2 (12.7-60.3)	263 (133-497)
	CVD Incidence	0.4 (0.2-1.0)	2.2 (1.1-4.8)	237 (115-522)	2777 (1375-5954)	26.5 (12.9-58.4)	158 (78.3-339)
	T2D DALYs	0.8 (0.4-1.8)	3.9 (2.0-7.9)	587 (281-1298)	10568 (5315-21003)	65.6 (31.4-145)	602 (303-1197)
	CVD DALYs	0.5 (0.2-1.0)	2.3 (1.1-4.8)	1745 (842-3755)	18346 (8989-38823)	195 (94.1-420)	1045 (512-2212)
	T2D Deaths	0.6 (0.3-1.3)	2.5 (1.2-5.4)	9.5 (4.6-20.9)	156 (75.3-335)	1.1 (0.5-2.3)	8.9 (4.3-19.1)
	CVD Deaths	0.4 (0.2-0.8)	1.7 (0.9-3.8)	50.9 (24.2-111)	600 (295-1302)	5.7 (2.7-12.4)	34.2 (16.8-74.2)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Netherlands	T2D Incidence	11.8 (10.2-14.7)	1.1 (0.5-3.3)	2602 (2252-3231)	469 (198-1376)	233 (202-289)	34.9 (14.7-102)
	CVD Incidence	4.3 (3.7-5.8)	0.4 (0.2-1.0)	3583 (3102-4937)	283 (120-776)	321 (278-442)	21.1 (9.0-57.8)
	T2D DALYs	6.2 (5.5-8.4)	0.6 (0.3-1.8)	5774 (5124-7875)	757 (328-2185)	517 (459-705)	56.4 (24.4-163)
	CVD DALYs	4.2 (3.7-5.7)	0.3 (0.1-0.7)	29826 (26173-40533)	952 (413-2505)	2671 (2344-3630)	70.9 (30.7-187)
	T2D Deaths	3.7 (3.3-5.2)	0.3 (0.1-0.7)	134 (121-188)	8.5 (3.7-22.2)	12.0 (10.8-16.9)	0.6 (0.3-1.7)
	CVD Deaths	2.9 (2.6-4.0)	0.2 (0.1-0.4)	1132 (1001-1535)	40.8 (17.8-104)	101 (89.7-137)	3.0 (1.3-7.8)
New Zealand	T2D Incidence	4.1 (3.1-6.8)	6.1 (4.7-9.1)	214 (163-361)	848 (650-1259)	92.3 (70.6-156)	237 (181-352)
	CVD Incidence	1.4 (1.1-2.2)	2.1 (1.7-3.3)	303 (237-471)	530 (419-825)	131 (102-203)	148 (117-230)
	T2D DALYs	2.2 (1.8-3.7)	3.7 (2.9-5.7)	368 (291-614)	1308 (1022-2007)	159 (126-265)	365 (285-560)
	CVD DALYs	1.3 (1.0-2.1)	1.8 (1.4-2.7)	2240 (1763-3479)	1999 (1564-2992)	968 (761-1503)	558 (437-835)
	T2D Deaths	1.5 (1.2-2.5)	2.1 (1.7-3.3)	6.1 (4.9-9.8)	12.9 (10.2-20.2)	2.7 (2.1-4.2)	3.6 (2.9-5.6)
	CVD Deaths	1.0 (0.8-1.4)	1.1 (0.9-1.6)	84.5 (67.4-121)	79.5 (63.2-113)	36.5 (29.1-52.1)	22.2 (17.6-31.6)
Nicaragua	T2D Incidence	13.1 (9.4-18.0)	31.8 (25.0-40.1)	649 (463-896)	7410 (5810-9391)	360 (257-497)	1822 (1428-2309)
	CVD Incidence	5.7 (4.1-8.4)	14.8 (11.0-19.5)	346 (244-509)	2575 (1917-3418)	192 (135-283)	633 (471-840)
	T2D DALYs	9.2 (6.7-13.0)	23.0 (17.5-29.4)	1511 (1091-2118)	16880 (12840-21524)	839 (606-1176)	4150 (3157-5292)
	CVD DALYs	5.7 (4.1-8.0)	14.3 (10.7-18.9)	1921 (1383-2696)	12138 (9033-15999)	1067 (768-1497)	2984 (2221-3934)
	T2D Deaths	6.7 (4.8-9.8)	17.2 (12.8-22.8)	23.2 (16.6-33.1)	236 (175-311)	12.9 (9.2-18.4)	57.9 (43.0-76.6)
	CVD Deaths	3.8 (2.7-5.7)	10.1 (7.5-13.6)	59.0 (42.0-87.3)	416 (307-564)	32.8 (23.4-48.5)	102 (75.5-139)
Niger	T2D Incidence	6.4 (3.9-10.7)	0.0 (0.0-0.0)	321 (191-538)	0.6 (0.4-0.9)	95.5 (56.9-160)	0.1 (0.0-0.1)
	CVD Incidence	2.9 (1.7-5.5)	0.0 (0.0-0.0)	348 (207-674)	0.3 (0.2-0.6)	104 (61.5-201)	0.0 (0.0-0.1)
	T2D DALYs	5.0 (3.0-8.7)	0.0 (0.0-0.0)	978 (580-1694)	1.4 (0.9-2.2)	291 (173-504)	0.2 (0.1-0.2)
	CVD DALYs	2.5 (1.4-4.5)	0.0 (0.0-0.0)	1451 (845-2636)	1.5 (0.9-2.5)	432 (251-784)	0.2 (0.1-0.3)
	T2D Deaths	3.7 (2.2-6.6)	0.0 (0.0-0.0)	17.6 (10.4-31.7)	0.0 (0.0-0.0)	5.2 (3.1-9.4)	0.0 (0.0-0.0)
	CVD Deaths	1.9 (1.1-3.6)	0.0 (0.0-0.0)	45.7 (26.0-88.0)	0.0 (0.0-0.1)	13.6 (7.7-26.2)	0.0 (0.0-0.0)
Nigeria	T2D Incidence	1.6 (1.0-3.1)	15.5 (10.7-22.1)	1092 (687-2059)	36645 (25263-52304)	25.7 (16.1-48.4)	387 (267-553)
	CVD Incidence	0.7 (0.4-1.4)	7.7 (5.0-11.8)	1431 (868-2754)	30861 (19883-47343)	33.7 (20.4-64.8)	326 (210-501)
	T2D DALYs	1.2 (0.8-2.4)	11.8 (7.8-17.3)	4920 (3061-9315)	113577 (74716-166643)	116 (72.0-219)	1201 (790-1762)
	CVD DALYs	0.6 (0.4-1.1)	6.6 (4.2-10.1)	8557 (5225-16046)	164695 (104288-252385)	201 (123-377)	1741 (1103-2668)
	T2D Deaths	0.9 (0.6-1.7)	8.4 (5.2-13.0)	120 (73.5-220)	2229 (1392-3462)	2.8 (1.7-5.2)	23.6 (14.7-36.6)
	CVD Deaths	0.5 (0.3-0.9)	4.8 (3.0-7.7)	300 (179-557)	5362 (3320-8581)	7.1 (4.2-13.1)	56.7 (35.1-90.7)
Norway	T2D Incidence	7.8 (6.2-10.6)	8.4 (6.8-11.7)	591 (475-817)	1075 (861-1499)	189 (152-261)	258 (207-360)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Oman	CVD Incidence	2.1 (1.8-3.1)	2.4 (2.0-4.0)	593 (499-874)	574 (472-960)	190 (160-280)	138 (113-231)
	T2D DALYs	4.3 (3.6-6.2)	4.9 (4.0-7.4)	879 (725-1265)	1547 (1251-2302)	281 (232-404)	372 (301-553)
	CVD DALYs	2.2 (1.8-3.4)	2.0 (1.6-3.1)	6469 (5412-10102)	2014 (1699-3135)	2068 (1730-3230)	484 (408-753)
	T2D Deaths	2.1 (1.8-3.2)	2.0 (1.7-3.0)	10.2 (8.7-15.6)	11.7 (9.9-17.1)	3.2 (2.8-5.0)	2.8 (2.4-4.1)
	CVD Deaths	1.5 (1.3-2.3)	1.3 (1.1-1.8)	266 (226-397)	83.3 (70.6-120)	85.1 (72.2-127)	20.0 (17.0-28.7)
	T2D Incidence	6.3 (4.0-10.5)	15.4 (10.2-23.9)	166 (103-276)	2388 (1570-3741)	197 (122-328)	638 (419-999)
	CVD Incidence	3.0 (2.0-5.2)	8.2 (5.3-13.5)	227 (145-394)	1841 (1203-3032)	269 (172-468)	492 (321-810)
	T2D DALYs	4.1 (2.7-7.1)	11.3 (7.4-17.9)	340 (216-588)	3649 (2413-5807)	403 (256-698)	975 (645-1551)
	CVD DALYs	3.1 (1.9-5.2)	7.5 (4.9-12.2)	1666 (1049-2867)	6203 (4055-10082)	1979 (1247-3405)	1657 (1083-2693)
	T2D Deaths	3.2 (2.0-5.7)	7.9 (5.1-12.9)	7.2 (4.7-12.9)	54.5 (34.6-88.6)	8.6 (5.5-15.3)	14.6 (9.2-23.7)
Pakistan	CVD Deaths	2.5 (1.6-4.2)	5.7 (3.7-9.4)	52.5 (34.0-90.0)	191 (125-311)	62.3 (40.4-107)	51.1 (33.4-83.1)
	T2D Incidence	17.3 (10.7-26.1)	16.8 (10.4-26.1)	19579 (12169-29871)	95324 (58982-148930)	387 (240-590)	781 (483-1221)
	CVD Incidence	6.1 (3.4-10.9)	7.3 (4.1-12.5)	24578 (13263-43059)	65873 (37396-113009)	486 (262-851)	540 (307-926)
	T2D DALYs	11.8 (6.9-19.0)	11.8 (6.8-18.7)	56659 (32916-89931)	226722 (129196-361304)	1119 (650-1777)	1858 (1059-2961)
	CVD DALYs	6.5 (3.7-11.1)	7.8 (4.5-13.3)	149142 (83887-252813)	478994 (280279-811209)	2947 (1657-4995)	3926 (2297-6649)
	T2D Deaths	8.5 (4.7-14.7)	8.2 (4.6-14.0)	1142 (623-1961)	3626 (1998-6183)	22.6 (12.3-38.7)	29.7 (16.4-50.7)
	CVD Deaths	5.0 (2.8-8.7)	5.9 (3.3-10.0)	4612 (2571-8018)	13687 (7611-23194)	91.1 (50.8-158)	112 (62.4-190)
	T2D Incidence	10.2 (6.9-14.5)	14.5 (10.0-20.6)	269 (180-380)	2530 (1737-3596)	315 (211-445)	963 (661-1369)
	CVD Incidence	5.1 (3.4-7.9)	7.4 (4.9-11.2)	455 (302-708)	1833 (1211-2779)	533 (354-830)	698 (461-1058)
	T2D DALYs	6.8 (4.6-9.9)	10.3 (6.9-14.7)	791 (523-1154)	4421 (2949-6306)	928 (613-1353)	1683 (1123-2400)
Palestine	CVD DALYs	4.8 (3.2-7.2)	6.9 (4.6-10.1)	3066 (2052-4542)	7227 (4819-10623)	3595 (2406-5326)	2751 (1834-4043)
	T2D Deaths	5.2 (3.5-7.9)	7.4 (5.0-11.0)	20.8 (13.8-31.4)	74.0 (50.2-109)	24.4 (16.1-36.8)	28.2 (19.1-41.4)
	CVD Deaths	3.6 (2.4-5.5)	5.2 (3.4-7.8)	111 (72.9-169)	246 (163-365)	130 (85.5-198)	93.7 (62.0-139)
	T2D Incidence	32.5 (25.6-40.4)	37.7 (30.4-46.4)	1090 (872-1369)	5446 (4388-6742)	828 (663-1041)	1935 (1559-2395)
	CVD Incidence	15.4 (11.8-20.1)	17.8 (13.6-23.2)	874 (672-1142)	2698 (2064-3503)	664 (511-868)	959 (734-1245)
	T2D DALYs	23.7 (18.6-30.3)	26.8 (20.8-34.3)	2887 (2268-3700)	14413 (11225-18547)	2194 (1724-2812)	5121 (3988-6590)
	CVD DALYs	13.7 (10.7-18.1)	15.8 (12.2-20.7)	5156 (4008-6857)	10458 (8099-13629)	3919 (3046-5212)	3716 (2878-4843)
	T2D Deaths	17.0 (13.1-22.5)	18.9 (14.5-25.0)	49.6 (38.3-65.4)	232 (178-307)	37.7 (29.1-49.7)	82.6 (63.3-109)
	CVD Deaths	10.1 (7.7-13.8)	11.1 (8.4-14.8)	194 (148-262)	398 (300-528)	148 (112-200)	142 (106-188)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Papua New Guinea	T2D Incidence	3.7 (2.4-7.1)	0.0 (0.0-0.0)	273 (173-515)	0.0 (0.0-0.0)	125 (79.6-237)	0.0 (0.0-0.0)
	CVD Incidence	1.1 (0.8-2.2)	0.0 (0.0-0.0)	72.4 (48.7-137)	0.0 (0.0-0.0)	33.3 (22.4-62.9)	0.0 (0.0-0.0)
	T2D DALYs	2.0 (1.4-4.0)	0.0 (0.0-0.0)	1042 (703-2016)	0.0 (0.0-0.0)	479 (323-927)	0.0 (0.0-0.0)
	CVD DALYs	1.4 (0.9-3.0)	0.0 (0.0-0.0)	1101 (725-2345)	0.0 (0.0-0.0)	506 (333-1078)	0.0 (0.0-0.0)
	T2D Deaths	1.4 (1.0-2.9)	0.0 (0.0-0.0)	21.0 (14.3-40.8)	0.0 (0.0-0.0)	9.6 (6.6-18.7)	0.0 (0.0-0.0)
	CVD Deaths	1.1 (0.7-2.3)	0.0 (0.0-0.0)	27.8 (18.7-56.9)	0.0 (0.0-0.0)	12.8 (8.6-26.2)	0.0 (0.0-0.0)
Paraguay	T2D Incidence	17.5 (13.0-23.2)	23.0 (16.9-31.1)	847 (627-1127)	5199 (3839-7066)	413 (305-549)	1178 (870-1601)
	CVD Incidence	7.8 (5.5-10.8)	10.7 (7.5-15.0)	467 (329-647)	1506 (1053-2140)	228 (160-315)	341 (239-485)
	T2D DALYs	12.2 (9.0-16.7)	15.4 (11.1-21.5)	2369 (1742-3235)	16078 (11497-22567)	1154 (848-1576)	3644 (2606-5115)
	CVD DALYs	7.4 (5.3-10.2)	9.9 (7.0-14.2)	4989 (3579-6976)	13375 (9431-19123)	2430 (1743-3397)	3031 (2138-4334)
	T2D Deaths	8.7 (6.2-12.1)	11.5 (8.0-16.2)	46.1 (32.9-63.9)	353 (248-502)	22.5 (16.0-31.1)	80.0 (56.3-114)
	CVD Deaths	5.2 (3.6-7.3)	7.1 (5.0-10.3)	172 (121-243)	480 (335-690)	83.8 (59.2-118)	109 (75.9-156)
Peru	T2D Incidence	21.3 (15.1-30.4)	18.7 (13.0-27.2)	3270 (2319-4706)	12305 (8621-17792)	296 (210-425)	550 (385-795)
	CVD Incidence	10.1 (7.1-15.1)	9.9 (6.9-15.0)	3699 (2548-5459)	8561 (5906-13013)	334 (230-493)	382 (264-581)
	T2D DALYs	15.4 (10.8-22.6)	13.5 (9.4-20.1)	9288 (6479-13579)	31444 (21786-46841)	840 (586-1227)	1404 (973-2092)
	CVD DALYs	10.7 (7.5-15.6)	8.9 (6.2-13.2)	26095 (18176-38145)	36202 (24730-53992)	2359 (1643-3448)	1617 (1104-2411)
	T2D Deaths	11.5 (8.0-17.3)	9.8 (6.7-15.1)	184 (126-277)	588 (393-899)	16.6 (11.4-25.0)	26.3 (17.6-40.2)
	CVD Deaths	7.1 (4.9-10.6)	5.8 (4.0-8.9)	807 (556-1211)	1202 (831-1854)	73.0 (50.3-109)	53.7 (37.1-82.8)
Philippines	T2D Incidence	9.1 (7.4-11.1)	8.0 (6.5-10.1)	6558 (5289-8056)	18928 (15363-24011)	219 (177-269)	286 (232-363)
	CVD Incidence	3.9 (3.1-5.0)	3.4 (2.7-4.4)	2943 (2390-3795)	7066 (5776-9257)	98.3 (79.8-127)	107 (87.3-140)
	T2D DALYs	7.3 (5.9-9.1)	5.8 (4.6-7.6)	21178 (17173-26836)	61328 (49374-81019)	707 (573-896)	926 (746-1224)
	CVD DALYs	5.9 (4.7-7.6)	4.6 (3.7-6.1)	76935 (61256-98753)	156076 (125424-206861)	2569 (2045-3297)	2358 (1895-3125)
	T2D Deaths	5.2 (4.2-6.8)	4.3 (3.5-5.8)	379 (306-494)	1251 (1025-1685)	12.6 (10.2-16.5)	18.9 (15.5-25.5)
	CVD Deaths	3.7 (3.0-4.8)	3.1 (2.5-4.1)	1847 (1482-2369)	4095 (3313-5424)	61.7 (49.5-79.1)	61.9 (50.0-81.9)
Poland	T2D Incidence	4.1 (3.4-6.2)	3.9 (3.3-5.9)	3435 (2882-5225)	5799 (4927-8814)	134 (113-204)	191 (162-290)
	CVD Incidence	1.6 (1.4-2.3)	1.5 (1.2-2.1)	3963 (3334-5790)	3137 (2640-4623)	155 (130-226)	103 (87.0-152)
	T2D DALYs	2.5 (2.1-3.7)	2.2 (1.9-3.4)	6456 (5494-9633)	10723 (9116-16291)	252 (215-377)	353 (300-537)
	CVD DALYs	1.7 (1.5-2.7)	1.2 (1.0-1.7)	55298 (46969-85171)	24055 (20074-34587)	2161 (1836-3329)	793 (661-1140)
	T2D Deaths	1.9 (1.6-2.9)	1.5 (1.2-2.2)	103 (87.5-159)	142 (117-211)	4.0 (3.4-6.2)	4.7 (3.8-6.9)
	CVD Deaths	1.2 (1.0-1.7)	0.8 (0.7-1.2)	1931 (1615-2780)	1038 (846-1440)	75.5 (63.1-109)	34.2 (27.9-47.5)
Portugal	T2D Incidence	8.7 (7.4-11.3)	8.9 (7.6-11.8)	1795 (1535-2366)	4224 (3595-5630)	255 (218-337)	506 (431-675)
	CVD Incidence	2.3 (2.0-3.2)	2.3 (2.0-3.2)	1057 (916-1457)	739 (637-1027)	150 (130-207)	88.6 (76.4-123)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Qatar	T2D DALYs	4.8 (4.2-6.6)	4.8 (4.1-6.4)	4252 (3694-5912)	7065 (6130-9556)	605 (526-841)	847 (735-1146)
	CVD DALYs	2.3 (2.0-3.1)	2.3 (2.0-3.1)	13569 (11827-18113)	6689 (5810-9360)	1931 (1683-2578)	802 (697-1122)
	T2D Deaths	3.0 (2.7-4.6)	2.1 (1.8-2.9)	90.8 (78.9-137)	80.8 (71.0-113)	12.9 (11.2-19.5)	9.7 (8.5-13.5)
	CVD Deaths	1.6 (1.4-2.1)	1.4 (1.2-1.8)	544 (473-733)	281 (244-377)	77.5 (67.3-104)	33.7 (29.2-45.2)
	T2D Incidence	18.7 (12.2-28.6)	21.2 (13.9-32.4)	193 (125-300)	4316 (2831-6712)	620 (400-960)	1812 (1189-2818)
	CVD Incidence	11.5 (7.4-18.4)	13.2 (8.4-21.2)	180 (115-293)	1693 (1076-2786)	576 (369-938)	711 (452-1170)
	T2D DALYs	14.4 (9.5-22.4)	17.6 (11.7-27.0)	337 (219-511)	4864 (3266-7518)	1079 (703-1637)	2042 (1371-3156)
Romania	CVD DALYs	11.1 (7.1-17.3)	12.7 (8.1-20.2)	947 (611-1482)	3037 (1927-4889)	3035 (1958-4751)	1275 (809-2052)
	T2D Deaths	10.8 (7.3-16.7)	12.4 (8.1-19.5)	6.0 (3.9-9.2)	44.2 (29.1-68.5)	19.1 (12.6-29.6)	18.5 (12.2-28.7)
	CVD Deaths	8.8 (5.7-13.8)	10.2 (6.5-16.2)	25.8 (16.6-40.2)	74.5 (47.5-119)	82.8 (53.1-129)	31.3 (19.9-50.1)
	T2D Incidence	11.0 (8.7-14.3)	11.3 (8.7-14.8)	3741 (2971-4909)	5564 (4340-7339)	235 (186-308)	365 (284-481)
	CVD Incidence	3.9 (3.1-5.3)	3.6 (2.8-4.8)	6939 (5520-9371)	6720 (5278-8881)	435 (346-588)	440 (346-582)
	T2D DALYs	7.1 (5.6-9.8)	6.7 (5.2-8.9)	7336 (5798-9973)	10580 (8295-14074)	460 (364-626)	693 (544-922)
	CVD DALYs	4.0 (3.1-5.3)	3.4 (2.7-4.6)	73666 (58209-99067)	55170 (43348-74358)	4622 (3652-6216)	3616 (2841-4874)
Russian Federation	T2D Deaths	5.6 (4.4-7.8)	4.7 (3.6-6.6)	107 (84.1-149)	122 (94.6-172)	6.7 (5.3-9.3)	8.0 (6.2-11.3)
	CVD Deaths	2.9 (2.3-4.0)	2.4 (1.9-3.3)	2821 (2193-3887)	2400 (1850-3250)	177 (138-244)	157 (121-213)
	T2D Incidence	3.5 (2.7-5.8)	7.1 (5.5-10.2)	6066 (4638-9880)	27857 (21461-40041)	58.5 (44.8-95.4)	249 (192-357)
	CVD Incidence	1.3 (1.0-1.9)	2.6 (2.0-3.7)	19558 (15352-29424)	52156 (41080-74529)	189 (148-284)	465 (367-665)
	T2D DALYs	2.2 (1.7-3.5)	4.0 (3.1-5.7)	9720 (7541-15789)	57683 (45263-84812)	93.8 (72.8-152)	515 (404-757)
	CVD DALYs	1.2 (1.0-1.9)	2.4 (1.9-3.5)	187746 (148118-290754)	332257 (258264-482915)	1812 (1430-2806)	2965 (2305-4310)
	T2D Deaths	1.6 (1.2-2.5)	2.7 (2.1-3.9)	107 (83.3-165)	989 (769-1460)	1.0 (0.8-1.6)	8.8 (6.9-13.0)
Rwanda	CVD Deaths	0.9 (0.7-1.3)	1.7 (1.3-2.5)	6831 (5349-9968)	13017 (10156-18767)	65.9 (51.6-96.2)	116 (90.6-167)
	T2D Incidence	3.7 (2.2-7.0)	66.5 (59.9-71.8)	146 (86.4-276)	6881 (6183-7503)	50.0 (29.5-94.3)	1061 (953-1157)
	CVD Incidence	1.8 (1.1-3.6)	46.5 (38.8-53.3)	214 (123-431)	10314 (8438-12237)	73.1 (42.1-147)	1590 (1301-1887)
	T2D DALYs	3.2 (1.9-6.1)	61.4 (54.0-67.4)	1372 (809-2599)	39811 (34356-44721)	469 (276-888)	6139 (5297-6896)
	CVD DALYs	1.9 (1.1-3.8)	43.1 (35.7-50.0)	1843 (1042-3708)	50497 (40191-60563)	630 (356-1267)	7786 (6197-9338)
	T2D Deaths	2.6 (1.5-4.9)	53.8 (45.5-60.6)	36.2 (21.1-69.8)	1092 (917-1275)	12.4 (7.2-23.9)	168 (141-197)
	CVD Deaths	1.4 (0.8-2.8)	36.2 (28.4-43.6)	54.1 (30.5-107)	1749 (1361-2189)	18.5 (10.4-36.5)	270 (210-337)
Samoa	T2D Incidence	8.5 (5.6-13.3)	25.5 (17.8-36.1)	33.6 (21.9-52.3)	270 (189-383)	442 (288-687)	2567 (1791-3633)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Sao Tome and Principe	CVD Incidence	2.3 (1.5-3.7)	6.8 (4.5-10.4)	8.9 (5.8-14.6)	45.5 (29.2-69.2)	117 (76.0-192)	432 (277-657)
	T2D DALYs	4.2 (2.7-6.9)	13.4 (9.0-20.0)	88.4 (57.1-145)	678 (455-1013)	1163 (751-1900)	6438 (4320-9617)
	CVD DALYs	2.9 (1.8-5.0)	9.1 (5.9-13.9)	130 (81.6-224)	755 (492-1149)	1704 (1073-2940)	7170 (4674-10912)
	T2D Deaths	2.8 (1.9-4.7)	8.7 (5.7-13.3)	1.7 (1.1-2.7)	10.6 (7.0-16.1)	21.8 (14.1-36.1)	101 (66.1-153)
	CVD Deaths	2.0 (1.3-3.4)	6.3 (4.1-9.8)	3.6 (2.3-6.1)	21.1 (13.7-32.6)	47.7 (30.1-80.4)	200 (130-309)
	T2D Incidence	9.3 (6.0-13.6)	17.2 (11.5-24.6)	8.9 (5.7-13.1)	61.4 (40.9-87.9)	181 (117-267)	598 (399-857)
	CVD Incidence	3.8 (2.3-6.1)	7.7 (4.8-12.2)	11.6 (7.0-18.9)	41.5 (25.7-65.7)	236 (143-386)	404 (250-640)
	T2D DALYs	7.0 (4.4-10.6)	13.6 (8.9-20.0)	22.6 (14.3-34.3)	139 (91.8-203)	461 (291-699)	1352 (894-1982)
	CVD DALYs	3.2 (2.0-5.3)	6.7 (4.2-10.7)	56.1 (34.2-91.7)	237 (147-373)	1144 (698-1870)	2306 (1427-3639)
	T2D Deaths	4.9 (3.0-8.0)	8.8 (5.5-14.2)	0.4 (0.2-0.6)	1.5 (0.9-2.4)	7.4 (4.5-12.3)	14.3 (9.0-23.0)
Saudi Arabia	CVD Deaths	2.4 (1.5-4.0)	4.9 (3.0-8.1)	2.0 (1.2-3.3)	7.5 (4.7-12.2)	40.2 (24.1-67.7)	73.3 (45.5-119)
	T2D Incidence	14.2 (10.1-20.5)	23.4 (16.3-33.6)	3587 (2534-5158)	45473 (31318-64526)	450 (318-647)	1895 (1305-2689)
	CVD Incidence	7.0 (4.9-10.8)	13.3 (9.1-20.0)	3975 (2750-6032)	28323 (19281-42183)	499 (345-757)	1180 (803-1758)
	T2D DALYs	10.2 (7.2-15.3)	19.1 (13.2-27.5)	5690 (3986-8403)	66027 (45675-95345)	714 (500-1055)	2751 (1903-3973)
	CVD DALYs	7.2 (5.0-10.7)	13.9 (9.5-20.6)	28459 (19912-42399)	170722 (116987-254749)	3572 (2500-5322)	7114 (4875-10616)
Senegal	T2D Deaths	7.8 (5.3-12.1)	15.1 (10.6-22.2)	92.1 (62.7-140)	712 (491-1048)	11.6 (7.9-17.6)	29.7 (20.5-43.7)
	CVD Deaths	5.5 (3.8-8.6)	11.6 (8.1-17.5)	866 (597-1351)	4445 (3088-6594)	109 (74.9-170)	185 (129-275)
	T2D Incidence	28.2 (20.3-37.5)	45.3 (34.8-55.6)	2115 (1507-2830)	15498 (11772-19061)	662 (472-886)	1975 (1500-2429)
	CVD Incidence	14.9 (9.8-21.8)	24.9 (17.7-33.9)	2402 (1567-3539)	8722 (6181-11917)	752 (491-1108)	1111 (788-1519)
	T2D DALYs	23.0 (16.1-31.7)	36.2 (26.8-46.5)	7382 (5154-10217)	45350 (33280-58097)	2310 (1613-3198)	5779 (4241-7403)
Serbia	CVD DALYs	13.3 (8.9-19.8)	21.3 (15.0-29.3)	16881 (11193-25158)	56411 (39668-78977)	5283 (3503-7874)	7188 (5055-10064)
	T2D Deaths	17.5 (11.7-26.2)	27.5 (19.2-37.9)	150 (99.9-228)	810 (562-1119)	47.0 (31.3-71.2)	103 (71.6-143)
	CVD Deaths	10.4 (6.6-16.2)	16.7 (10.9-24.3)	577 (368-893)	2017 (1339-2957)	181 (115-279)	257 (171-377)
	T2D Incidence	4.4 (2.1-8.9)	2.9 (1.4-6.3)	1171 (552-2328)	1231 (573-2639)	179 (84.5-357)	179 (83.3-384)
	CVD Incidence	1.9 (0.9-3.9)	1.0 (0.5-2.0)	1338 (629-2708)	996 (475-2042)	205 (96.4-415)	145 (69.0-297)
	T2D DALYs	2.8 (1.4-6.1)	1.7 (0.8-3.6)	2332 (1106-5119)	2550 (1196-5498)	357 (170-785)	371 (174-799)
	CVD DALYs	1.6 (0.8-3.2)	0.8 (0.4-1.7)	12975 (6212-26138)	7059 (3397-14587)	1989 (952-4006)	1026 (494-2120)
	T2D Deaths	2.1 (1.0-4.4)	1.2 (0.6-2.6)	40.2 (19.4-86.5)	43.8 (21.1-96.9)	6.2 (3.0-13.3)	6.4 (3.1-14.1)
	CVD Deaths	1.1 (0.5-2.3)	0.6 (0.3-1.3)	491 (234-996)	328 (158-678)	75.3 (35.9-153)	47.7 (23.0-98.5)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Seychelles	T2D Incidence	22.9 (18.5-28.4)	25.4 (20.1-31.7)	27.0 (21.8-33.5)	178 (140-224)	715 (577-886)	2593 (2048-3275)
	CVD Incidence	9.8 (7.5-13.3)	11.8 (9.0-15.8)	17.8 (13.3-24.5)	38.5 (29.0-52.1)	471 (353-649)	562 (424-760)
	T2D DALYs	17.8 (14.0-22.8)	20.1 (15.9-25.8)	67.6 (53.4-87.4)	342 (272-441)	1790 (1414-2312)	4989 (3974-6427)
	CVD DALYs	12.6 (9.8-16.4)	14.4 (11.2-18.7)	301 (235-396)	417 (326-541)	7971 (6207-10472)	6089 (4754-7895)
	T2D Deaths	13.9 (10.4-19.2)	15.5 (11.8-20.9)	1.3 (0.9-1.7)	3.8 (2.9-5.1)	33.5 (24.8-46.1)	55.1 (41.9-74.4)
	CVD Deaths	8.9 (6.6-12.4)	10.3 (7.8-14.0)	9.8 (7.3-13.5)	12.6 (9.6-17.0)	260 (192-358)	184 (140-248)
Sierra Leone	T2D Incidence	8.5 (5.6-13.2)	29.4 (20.9-39.1)	277 (179-432)	3541 (2504-4711)	140 (90.3-218)	912 (645-1213)
	CVD Incidence	3.7 (2.3-6.3)	13.5 (8.9-19.8)	388 (243-669)	2397 (1569-3482)	196 (122-338)	617 (404-897)
	T2D DALYs	6.4 (4.1-10.2)	22.7 (16.0-31.1)	937 (602-1493)	10077 (7014-13890)	473 (304-753)	2595 (1806-3576)
	CVD DALYs	3.2 (2.0-5.7)	12.2 (8.1-18.0)	2689 (1661-4817)	17625 (11680-26398)	1357 (838-2430)	4538 (3007-6797)
	T2D Deaths	4.6 (2.8-8.1)	16.4 (10.8-24.2)	20.0 (12.0-34.5)	169 (110-247)	10.1 (6.1-17.4)	43.5 (28.3-63.5)
	CVD Deaths	2.5 (1.5-4.5)	9.3 (5.9-14.6)	92.8 (55.6-170)	578 (372-907)	46.8 (28.0-85.9)	149 (95.8-233)
Singapore	T2D Incidence	9.8 (7.5-15.2)	8.8 (6.8-13.5)	828 (630-1293)	2426 (1865-3707)	391 (298-611)	499 (383-762)
	CVD Incidence	2.9 (2.3-4.6)	2.8 (2.2-4.9)	225 (175-365)	560 (441-963)	106 (82.6-172)	115 (90.7-198)
	T2D DALYs	5.5 (4.3-8.5)	5.9 (4.6-9.4)	1058 (829-1657)	3096 (2377-4871)	501 (392-784)	636 (488-1001)
	CVD DALYs	3.4 (2.7-5.5)	3.1 (2.5-5.4)	3153 (2469-5129)	3066 (2407-5280)	1491 (1168-2426)	630 (495-1085)
	T2D Deaths	3.3 (2.6-5.4)	2.7 (2.2-4.4)	11.4 (9.1-18.7)	4.3 (3.4-7.0)	5.4 (4.3-8.9)	0.9 (0.7-1.4)
	CVD Deaths	2.4 (1.9-3.8)	2.2 (1.7-3.5)	93.4 (74.5-148)	97.6 (76.7-159)	44.2 (35.3-69.8)	20.1 (15.8-32.7)
Slovak Republic	T2D Incidence	7.7 (6.0-10.6)	10.1 (7.9-13.3)	706 (550-976)	1681 (1306-2212)	201 (157-278)	387 (300-509)
	CVD Incidence	2.7 (2.2-3.9)	3.4 (2.7-4.6)	1099 (870-1574)	1482 (1170-2050)	313 (248-448)	341 (269-471)
	T2D DALYs	4.6 (3.6-6.7)	6.0 (4.8-8.3)	1338 (1057-1940)	2894 (2269-3981)	381 (301-552)	666 (522-916)
	CVD DALYs	3.0 (2.4-4.4)	3.2 (2.5-4.4)	14344 (11362-21024)	11936 (9311-16683)	4084 (3235-5986)	2746 (2142-3837)
	T2D Deaths	3.4 (2.7-4.9)	4.1 (3.2-5.9)	22.8 (17.8-34.0)	33.5 (25.8-48.0)	6.5 (5.1-9.7)	7.7 (5.9-11.0)
	CVD Deaths	2.2 (1.8-3.2)	2.3 (1.8-3.4)	536 (423-782)	521 (402-757)	153 (121-223)	120 (92.4-174)
Slovenia	T2D Incidence	5.8 (4.3-8.6)	8.1 (6.0-11.3)	251 (184-376)	536 (396-747)	174 (127-260)	321 (237-447)
	CVD Incidence	2.4 (1.8-3.5)	3.1 (2.3-4.6)	277 (208-410)	455 (334-674)	192 (144-283)	272 (200-403)
	T2D DALYs	3.6 (2.7-5.7)	4.7 (3.5-7.0)	434 (322-678)	970 (717-1432)	300 (223-469)	580 (429-856)
	CVD DALYs	2.1 (1.6-3.2)	2.2 (1.6-3.2)	2018 (1507-3092)	1353 (984-1998)	1395 (1042-2139)	809 (588-1195)
	T2D Deaths	2.6 (1.9-4.1)	2.9 (2.1-4.4)	6.8 (5.0-10.5)	12.2 (8.8-18.6)	4.7 (3.5-7.3)	7.3 (5.2-11.1)
	CVD Deaths	1.5 (1.1-2.3)	1.5 (1.1-2.2)	78.9 (57.4-117)	63.3 (45.7-93.9)	54.6 (39.7-80.7)	37.8 (27.3-56.1)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Solomon Islands	T2D Incidence	15.6 (10.0-22.7)	12.6 (7.9-19.2)	71.6 (46.5-104)	277 (173-421)	536 (348-781)	810 (507-1230)
	CVD Incidence	4.8 (3.1-8.0)	3.8 (2.4-6.4)	30.1 (19.1-50.4)	65.7 (41.4-110)	225 (143-377)	192 (121-323)
	T2D DALYs	9.0 (5.8-14.2)	7.7 (4.8-12.4)	329 (206-511)	1055 (662-1679)	2462 (1542-3818)	3086 (1937-4912)
	CVD DALYs	6.4 (4.0-10.7)	5.3 (3.3-8.9)	671 (422-1132)	1370 (855-2313)	5017 (3159-8464)	4007 (2501-6765)
	T2D Deaths	6.8 (4.3-11.0)	5.7 (3.6-9.3)	7.1 (4.5-11.3)	20.2 (12.6-33.5)	53.4 (33.6-84.8)	59.2 (36.7-98.1)
	CVD Deaths	4.8 (3.0-8.1)	3.9 (2.4-6.6)	17.6 (11.0-29.7)	34.9 (22.0-59.9)	132 (82.2-222)	102 (64.3-175)
South Africa	T2D Incidence	31.8 (26.2-38.7)	27.6 (22.1-34.6)	14249 (11697-17237)	46938 (37498-58774)	781 (641-945)	1258 (1005-1575)
	CVD Incidence	17.2 (13.5-21.8)	14.6 (11.4-19.2)	18811 (14601-23960)	30897 (24083-40407)	1031 (801-1314)	828 (645-1083)
	T2D DALYs	26.3 (21.2-33.2)	20.9 (16.3-27.4)	68340 (54831-85671)	207391 (160766-271569)	3747 (3006-4697)	5558 (4308-7278)
	CVD DALYs	18.7 (15.0-23.5)	13.1 (10.2-17.3)	97386 (77793-122204)	145120 (112629-190477)	5340 (4265-6701)	3889 (3018-5105)
	T2D Deaths	20.5 (15.9-26.4)	16.4 (12.3-22.3)	1671 (1302-2159)	5327 (3972-7176)	91.6 (71.4-118)	143 (106-192)
	CVD Deaths	13.2 (10.2-17.0)	9.6 (7.1-13.0)	2783 (2171-3601)	4829 (3602-6585)	153 (119-197)	129 (96.5-176)
Spain	T2D Incidence	7.9 (6.4-11.2)	10.1 (8.2-13.9)	7800 (6272-11095)	19978 (16096-27308)	278 (224-396)	529 (426-723)
	CVD Incidence	2.6 (2.2-3.9)	3.5 (2.8-5.2)	4812 (3970-7141)	6649 (5382-9961)	172 (142-255)	176 (142-264)
	T2D DALYs	4.4 (3.6-6.1)	5.9 (4.8-8.0)	14158 (11664-19989)	30503 (24540-41517)	505 (416-713)	807 (649-1099)
	CVD DALYs	2.5 (2.1-3.7)	2.8 (2.3-4.1)	38124 (31033-55537)	28282 (23254-40923)	1361 (1108-1982)	749 (615-1083)
	T2D Deaths	2.5 (2.1-3.5)	2.2 (1.8-2.9)	246 (200-340)	207 (172-275)	8.8 (7.1-12.1)	5.5 (4.5-7.3)
	CVD Deaths	1.7 (1.4-2.3)	1.7 (1.4-2.4)	1478 (1222-2019)	1137 (943-1557)	52.8 (43.6-72.1)	30.1 (25.0-41.2)
Sri Lanka	T2D Incidence	9.6 (6.9-13.5)	18.8 (14.1-24.5)	3367 (2408-4725)	28553 (21323-37249)	335 (239-470)	1945 (1453-2538)
	CVD Incidence	3.5 (2.4-5.4)	8.3 (5.6-12.0)	1292 (865-1998)	7213 (4929-10496)	128 (86.0-199)	491 (336-715)
	T2D DALYs	7.5 (5.3-10.9)	14.7 (10.4-20.4)	9266 (6510-13475)	71599 (51029-99650)	921 (647-1339)	4878 (3477-6790)
	CVD DALYs	4.0 (2.8-5.9)	8.7 (6.1-12.4)	17970 (12537-26429)	62784 (44384-89269)	1786 (1246-2627)	4278 (3024-6082)
	T2D Deaths	5.7 (3.8-8.9)	11.5 (7.7-17.0)	193 (127-300)	1260 (829-1853)	19.1 (12.6-29.8)	85.9 (56.5-126)
	CVD Deaths	2.9 (1.9-4.5)	6.5 (4.3-9.8)	567 (373-887)	2274 (1487-3425)	56.4 (37.1-88.2)	155 (101-233)
St. Lucia	T2D Incidence	27.2 (21.4-34.6)	29.6 (23.1-38.1)	110 (86.4-141)	380 (295-484)	1511 (1189-1937)	2764 (2148-3521)
	CVD Incidence	12.8 (9.9-17.4)	13.8 (10.2-18.6)	56.3 (42.6-76.3)	148 (111-202)	776 (587-1051)	1079 (811-1472)
	T2D DALYs	18.3 (14.1-24.0)	20.7 (15.7-26.6)	440 (340-580)	1086 (824-1401)	6059 (4684-7984)	7896 (5991-10190)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
St. Vincent and the Grenadines	CVD DALYs	10.2 (7.8-13.8)	10.4 (7.7-13.9)	356 (270-481)	395 (292-528)	4901 (3713-6625)	2871 (2124-3844)
	T2D Deaths	13.8 (10.3-18.6)	14.3 (10.7-18.9)	10.7 (8.0-14.4)	17.9 (13.4-23.9)	147 (110-199)	131 (97.7-174)
	CVD Deaths	7.3 (5.5-10.1)	7.1 (5.2-9.9)	13.9 (10.4-19.1)	15.6 (11.5-21.6)	191 (143-263)	113 (83.6-157)
	T2D Incidence	25.2 (19.8-31.8)	61.5 (53.4-68.9)	75.1 (58.9-95.5)	475 (414-535)	1378 (1081-1751)	6129 (5338-6901)
	CVD Incidence	12.0 (9.1-16.0)	35.0 (29.1-41.4)	39.3 (29.5-52.9)	213 (177-253)	720 (542-969)	2750 (2281-3265)
	T2D DALYs	17.1 (13.0-22.6)	48.4 (41.1-56.1)	329 (252-438)	1761 (1482-2040)	6039 (4616-8027)	22695 (19108-26303)
	CVD DALYs	11.0 (8.4-14.7)	30.3 (25.0-36.2)	349 (263-466)	1041 (860-1252)	6406 (4823-8536)	13419 (11093-16144)
Sudan	T2D Deaths	12.7 (9.6-17.7)	38.4 (31.9-45.8)	8.5 (6.3-11.7)	35.9 (29.8-43.0)	155 (116-215)	462 (384-554)
	CVD Deaths	8.0 (6.0-11.3)	23.0 (18.6-28.4)	13.0 (9.7-18.5)	43.3 (34.8-53.6)	239 (178-339)	558 (449-692)
	T2D Incidence	23.2 (15.0-33.7)	26.5 (17.1-38.3)	4701 (3008-6850)	27280 (17663-39653)	536 (343-781)	1263 (818-1836)
	CVD Incidence	10.4 (6.3-16.3)	11.7 (7.2-18.2)	10851 (6569-17085)	24292 (14752-38298)	1237 (749-1948)	1125 (683-1773)
	T2D DALYs	16.6 (10.5-24.7)	19.5 (12.4-28.7)	8118 (5135-12065)	38251 (24282-56476)	926 (586-1376)	1771 (1124-2615)
	CVD DALYs	11.2 (7.0-17.1)	12.0 (7.4-18.3)	99674 (60657-151809)	159568 (98264-244446)	11365 (6916-17309)	7388 (4550-11319)
	T2D Deaths	12.6 (7.6-19.7)	13.7 (8.4-21.2)	127 (76.9-198)	408 (248-634)	14.4 (8.8-22.5)	18.9 (11.5-29.3)
Suriname	CVD Deaths	8.6 (5.2-13.6)	8.8 (5.4-13.9)	2996 (1823-4835)	4774 (2891-7511)	342 (208-551)	221 (134-348)
	T2D Incidence	22.0 (14.9-31.6)	35.5 (25.0-47.9)	191 (129-276)	1232 (866-1665)	852 (577-1234)	3245 (2281-4387)
	CVD Incidence	10.1 (6.7-15.0)	16.4 (11.1-23.7)	124 (80.0-186)	479 (326-697)	554 (357-829)	1262 (859-1836)
	T2D DALYs	15.4 (10.3-22.7)	25.3 (17.5-35.7)	584 (391-865)	3460 (2416-4864)	2608 (1747-3862)	9115 (6364-12814)
	CVD DALYs	10.2 (6.7-15.1)	15.9 (10.8-22.8)	1220 (802-1808)	2948 (2009-4230)	5450 (3579-8072)	7767 (5294-11144)
	T2D Deaths	11.6 (7.7-17.5)	19.1 (13.0-28.0)	11.0 (7.2-16.6)	52.7 (35.8-76.2)	49.2 (32.2-74.2)	139 (94.2-201)
	CVD Deaths	7.5 (4.9-11.2)	11.8 (7.9-17.0)	40.1 (26.3-59.7)	101 (67.3-145)	179 (117-267)	266 (177-381)
Swaziland	T2D Incidence	24.3 (16.9-33.4)	30.3 (21.4-41.2)	181 (125-249)	850 (602-1157)	552 (382-760)	1425 (1010-1940)
	CVD Incidence	13.5 (8.9-20.1)	16.6 (11.1-24.0)	169 (111-251)	424 (281-600)	514 (340-765)	710 (472-1006)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Sweden	T2D DALYs	19.0 (12.5-27.8)	23.9 (16.1-33.8)	1072 (708-1585)	4471 (3008-6450)	3267 (2156-4831)	7495 (5043-10813)
	CVD DALYs	12.1 (7.9-18.3)	16.3 (10.8-23.7)	971 (631-1467)	3181 (2109-4634)	2958 (1922-4471)	5333 (3535-7769)
	T2D Deaths	15.8 (10.0-23.7)	20.1 (13.0-29.5)	31.0 (20.0-46.7)	120 (77.3-177)	94.5 (60.8-142)	200 (130-296)
	CVD Deaths	9.3 (5.9-14.4)	12.7 (8.3-18.9)	31.3 (19.8-48.5)	98.8 (63.5-149)	95.5 (60.4-148)	166 (106-250)
	T2D Incidence	8.2 (6.9-11.0)	7.3 (6.1-10.3)	1235 (1037-1664)	2090 (1741-2938)	191 (160-257)	269 (224-378)
	CVD Incidence	2.3 (1.9-3.1)	1.8 (1.5-2.6)	1309 (1132-1786)	1018 (864-1456)	202 (175-276)	131 (111-187)
	T2D DALYs	4.5 (3.8-6.2)	3.8 (3.3-5.4)	2075 (1766-2879)	2965 (2503-4186)	321 (273-445)	381 (322-538)
Switzerland	CVD DALYs	2.2 (1.9-3.0)	1.6 (1.3-2.2)	13906 (11984-19113)	4426 (3795-6192)	2151 (1853-2956)	569 (488-796)
	T2D Deaths	2.4 (2.0-3.2)	1.7 (1.4-2.2)	33.7 (29.3-46.1)	32.3 (28.0-43.6)	5.2 (4.5-7.1)	4.2 (3.6-5.6)
	CVD Deaths	1.6 (1.4-2.2)	1.1 (0.9-1.4)	620 (536-841)	205 (176-264)	95.9 (82.9-130)	26.3 (22.6-34.0)
	T2D Incidence	9.9 (7.9-13.0)	10.5 (8.5-13.7)	1454 (1156-1910)	3751 (3051-4947)	286 (227-375)	541 (440-713)
	CVD Incidence	3.2 (2.5-4.5)	3.1 (2.5-4.4)	1085 (861-1523)	1101 (873-1582)	213 (169-299)	159 (126-228)
	T2D DALYs	5.3 (4.3-7.1)	6.3 (5.1-8.3)	2540 (2039-3395)	5231 (4184-6922)	499 (401-667)	754 (603-998)
	CVD DALYs	2.9 (2.3-4.1)	2.2 (1.8-3.1)	9980 (7935-13977)	4009 (3229-5525)	1962 (1560-2748)	578 (466-797)
Syrian Arab Republic	T2D Deaths	2.7 (2.2-3.6)	2.3 (1.9-3.1)	41.7 (34.1-56.3)	28.1 (22.8-37.2)	8.2 (6.7-11.1)	4.1 (3.3-5.4)
	CVD Deaths	2.0 (1.6-2.7)	1.4 (1.2-1.9)	409 (331-566)	190 (154-253)	80.5 (65.1-111)	27.4 (22.2-36.5)
	T2D Incidence	9.2 (6.4-12.7)	10.9 (7.7-15.3)	1286 (902-1788)	6561 (4652-9290)	249 (175-346)	623 (441-881)
	CVD Incidence	4.1 (2.9-6.7)	5.6 (3.9-8.9)	2430 (1711-3922)	8331 (5804-13187)	471 (331-760)	790 (551-1251)
	T2D DALYs	6.3 (4.5-9.1)	8.1 (5.8-11.7)	2401 (1709-3412)	11124 (7940-16163)	465 (331-661)	1055 (753-1534)
	CVD DALYs	5.1 (3.6-7.3)	5.7 (4.1-9.0)	25674 (17948-37408)	53799 (38216-83166)	4972 (3476-7245)	5104 (3626-7891)
	T2D Deaths	4.6 (3.3-6.9)	6.1 (4.3-9.3)	38.1 (27.4-58.1)	127 (89.2-195)	7.4 (5.3-11.3)	12.0 (8.5-18.5)
Taiwan	CVD Deaths	3.6 (2.6-5.6)	4.6 (3.2-7.1)	741 (527-1120)	1864 (1305-2860)	144 (102-217)	177 (124-271)
	T2D Incidence	17.5 (14.1-21.7)	12.7 (10.1-16.4)	5756 (4589-7141)	12445 (9868-15993)	439 (350-544)	636 (504-817)
	CVD Incidence	6.3 (5.0-8.1)	4.7 (3.8-6.2)	4389 (3494-5693)	7074 (5669-9355)	334 (266-434)	361 (290-478)
	T2D DALYs	9.4 (7.6-12.1)	7.4 (5.9-9.7)	15520 (12464-19776)	27290 (21756-35906)	1182 (950-1507)	1394 (1111-1834)
	CVD DALYs	5.5 (4.4-7.0)	4.5 (3.5-5.9)	18906 (15229-24383)	19262 (15244-25707)	1440 (1160-1858)	984 (779-1313)
	T2D Deaths	6.4 (5.1-8.7)	4.2 (3.4-5.9)	316 (253-431)	408 (325-566)	24.0 (19.3-32.8)	20.9 (16.6-28.9)
	CVD Deaths	3.8 (3.1-5.1)	3.0 (2.4-4.0)	585 (471-773)	605 (482-803)	44.6 (35.9-58.9)	30.9 (24.6-41.0)
Tajikistan	T2D Incidence	3.6 (2.2-6.5)	13.4 (9.0-19.4)	103 (62.7-186)	2123 (1423-3064)	42.1 (25.7-76.2)	411 (275-593)
	CVD Incidence	1.1 (0.7-1.9)	4.4 (3.1-6.9)	206 (137-353)	1930 (1338-3009)	84.6 (56.4-145)	373 (259-582)
	T2D DALYs	2.0 (1.3-3.7)	8.4 (5.6-12.8)	261 (170-473)	3673 (2521-5712)	107 (69.9-194)	710 (488-1105)
	CVD DALYs	1.2 (0.8-2.0)	4.6 (3.2-7.1)	2376 (1571-4022)	13038 (8942-19788)	974 (644-1649)	2521 (1729-3826)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Tanzania	T2D Deaths	1.5 (1.0-2.8)	6.2 (4.1-10.1)	4.8 (3.1-9.0)	47.0 (30.8-77.4)	2.0 (1.3-3.7)	9.1 (5.9-15.0)
	CVD Deaths	0.8 (0.5-1.4)	3.3 (2.3-5.1)	77.3 (51.1-129)	421 (289-656)	31.7 (21.0-53.0)	81.5 (55.9-127)
	T2D Incidence	1.4 (0.9-2.8)	21.4 (14.9-29.0)	171 (103-343)	9962 (6911-13378)	15.5 (9.4-31.3)	365 (253-490)
	CVD Incidence	0.7 (0.4-1.4)	11.3 (7.4-16.3)	300 (181-573)	11746 (7607-17232)	27.3 (16.5-52.2)	431 (279-632)
	T2D DALYs	1.3 (0.8-2.6)	17.7 (11.7-24.8)	1250 (763-2586)	46653 (31082-65392)	114 (69.5-236)	1710 (1139-2397)
	CVD DALYs	0.7 (0.5-1.4)	11.3 (7.4-16.4)	1690 (1047-3362)	81568 (53142-120143)	154 (95.4-306)	2990 (1948-4404)
Thailand	T2D Deaths	1.0 (0.6-2.1)	13.4 (8.6-19.6)	33.3 (20.3-71.5)	1071 (697-1571)	3.0 (1.8-6.5)	39.3 (25.5-57.6)
	CVD Deaths	0.6 (0.3-1.1)	8.3 (5.3-12.8)	51.8 (31.8-107)	2514 (1582-3890)	4.7 (2.9-9.7)	92.2 (58.0-143)
	T2D Incidence	2.3 (1.0-5.1)	10.5 (5.1-20.0)	1597 (714-3499)	30254 (14617-57474)	47.9 (21.4-105)	562 (271-1067)
	CVD Incidence	0.8 (0.4-1.8)	4.3 (2.1-8.6)	824 (398-1823)	10265 (4957-20718)	24.8 (11.9-54.7)	191 (92.0-385)
	T2D DALYs	1.5 (0.7-3.4)	7.6 (3.7-14.8)	4221 (1902-9663)	76501 (36902-150146)	127 (57.1-290)	1420 (685-2787)
	CVD DALYs	1.0 (0.5-2.3)	4.9 (2.4-9.8)	8546 (4072-20015)	80720 (39437-159824)	257 (122-601)	1498 (732-2967)
Timor-Leste	T2D Deaths	1.1 (0.5-2.5)	5.5 (2.7-11.2)	81.7 (37.9-189)	1277 (611-2598)	2.5 (1.1-5.7)	23.7 (11.3-48.2)
	CVD Deaths	0.6 (0.3-1.5)	3.2 (1.5-6.6)	232 (113-540)	2422 (1160-5011)	7.0 (3.4-16.2)	45.0 (21.5-93.0)
	T2D Incidence	1.6 (1.0-3.3)	31.0 (24.6-38.9)	7.1 (4.3-14.8)	961 (768-1211)	18.8 (11.4-39.1)	1413 (1130-1781)
	CVD Incidence	0.6 (0.4-1.3)	13.5 (10.2-18.6)	4.4 (2.8-9.5)	340 (256-465)	11.8 (7.3-25.2)	501 (377-684)
	T2D DALYs	1.0 (0.6-2.3)	22.4 (17.2-29.5)	18.6 (11.5-40.4)	1924 (1477-2528)	49.1 (30.4-107)	2830 (2172-3719)
	CVD DALYs	0.8 (0.5-1.7)	16.1 (12.2-21.7)	78.0 (48.3-179)	5600 (4258-7570)	206 (128-474)	8238 (6264-11134)
Togo	T2D Deaths	0.7 (0.5-1.6)	17.2 (12.6-23.4)	0.3 (0.2-0.7)	29.4 (21.7-40.3)	0.9 (0.5-1.8)	43.3 (31.9-59.3)
	CVD Deaths	0.5 (0.3-1.1)	11.5 (8.6-15.8)	1.9 (1.2-4.2)	176 (131-245)	5.1 (3.2-11.3)	259 (193-360)
	T2D Incidence	7.0 (4.4-11.0)	66.4 (58.9-71.9)	126 (79.1-198)	6059 (5367-6579)	77.3 (48.5-122)	1506 (1334-1635)
	CVD Incidence	3.0 (1.8-5.2)	42.8 (34.3-50.1)	176 (107-306)	7288 (5827-8638)	108 (65.3-188)	1811 (1448-2147)
	T2D DALYs	5.4 (3.4-8.8)	59.2 (50.9-65.5)	474 (302-778)	24146 (20701-26968)	291 (185-477)	6001 (5145-6703)
	CVD DALYs	2.7 (1.6-4.6)	38.9 (31.5-46.3)	1158 (724-1986)	50639 (40212-60564)	710 (444-1217)	12586 (9994-15052)
	T2D Deaths	4.0 (2.5-6.9)	51.2 (42.0-58.3)	9.8 (6.1-17.0)	533 (438-616)	6.0 (3.7-10.4)	133 (109-153)
	CVD Deaths	2.0 (1.2-3.5)	33.1 (25.5-40.1)	36.3 (22.0-63.7)	1721 (1317-2100)	22.2 (13.5-39.0)	428 (327-522)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Tonga	T2D Incidence	5.7 (3.5-9.9)	20.3 (13.6-30.0)	13.5 (8.2-23.2)	105 (70.4-156)	288 (174-494)	1828 (1224-2716)
	CVD Incidence	1.7 (1.1-3.1)	5.4 (3.4-8.9)	4.0 (2.5-7.1)	19.9 (12.6-32.6)	85.2 (53.5-152)	345 (219-566)
	T2D DALYs	3.0 (1.9-5.5)	10.3 (6.6-16.0)	46.0 (28.9-84.0)	300 (192-465)	982 (617-1791)	5217 (3329-8079)
	CVD DALYs	2.1 (1.3-4.1)	7.1 (4.5-11.7)	43.5 (27.2-82.4)	207 (132-338)	928 (581-1758)	3605 (2289-5871)
	T2D Deaths	2.1 (1.4-3.9)	6.7 (4.3-10.6)	1.0 (0.6-1.8)	5.7 (3.7-9.2)	21.3 (13.2-37.8)	99.7 (64.0-160)
	CVD Deaths	1.5 (1.0-3.0)	4.8 (3.0-7.7)	1.2 (0.8-2.5)	6.1 (3.9-10.0)	26.5 (16.7-52.6)	107 (68.4-174)
Trinidad and Tobago	T2D Incidence	27.9 (19.6-38.3)	34.4 (24.8-46.0)	1267 (886-1737)	3834 (2760-5092)	1823 (1274-2499)	3725 (2681-4947)
	CVD Incidence	13.6 (9.2-19.6)	16.7 (11.5-23.6)	621 (420-904)	1509 (1031-2146)	893 (604-1300)	1467 (1002-2085)
	T2D DALYs	19.3 (13.4-27.9)	23.5 (16.3-32.8)	6167 (4253-8940)	14956 (10410-20850)	8870 (6118-12859)	14531 (10114-20258)
	CVD DALYs	13.1 (9.0-19.1)	15.7 (10.9-22.4)	6354 (4357-9231)	8854 (6083-12476)	9139 (6267-13277)	8602 (5910-12122)
	T2D Deaths	15.6 (10.6-22.9)	18.0 (12.2-26.0)	157 (107-230)	326 (222-470)	226 (154-331)	316 (216-456)
	CVD Deaths	9.8 (6.6-14.6)	11.6 (8.0-16.6)	219 (149-326)	318 (216-455)	315 (214-469)	309 (210-442)
Tunisia	T2D Incidence	13.3 (9.4-19.0)	21.8 (15.8-30.1)	1463 (1047-2090)	13363 (9807-18657)	338 (242-483)	1637 (1202-2286)
	CVD Incidence	6.7 (4.5-10.4)	11.2 (7.8-16.9)	3029 (2100-4740)	13306 (9247-20207)	700 (485-1095)	1630 (1133-2476)
	T2D DALYs	9.5 (6.7-14.0)	16.2 (11.7-23.2)	2365 (1672-3487)	22844 (16423-32657)	547 (386-806)	2799 (2012-4002)
	CVD DALYs	6.4 (4.5-9.6)	10.1 (7.0-15.1)	16388 (11295-24385)	50499 (35357-74720)	3787 (2610-5635)	6188 (4332-9156)
	T2D Deaths	7.1 (4.9-10.7)	11.9 (8.3-17.5)	31.2 (21.5-47.4)	236 (164-358)	7.2 (5.0-11.0)	28.9 (20.1-43.8)
	CVD Deaths	5.1 (3.5-7.8)	7.8 (5.4-11.8)	581 (396-888)	1994 (1355-3057)	134 (91.4-205)	244 (166-375)
Turkey	T2D Incidence	9.6 (7.1-13.1)	1.0 (0.5-3.0)	6287 (4584-8609)	3222 (1412-9544)	217 (158-297)	56.2 (24.6-166)
	CVD Incidence	5.4 (3.9-7.9)	0.5 (0.2-1.5)	17600 (12720-25833)	3479 (1618-9963)	607 (438-890)	60.7 (28.2-174)
	T2D DALYs	7.0 (5.1-9.8)	0.7 (0.3-2.0)	22222 (16219-31615)	6728 (3080-18669)	766 (559-1090)	117 (53.7-326)
	CVD DALYs	5.2 (3.8-7.4)	0.4 (0.2-1.3)	99088 (72434-141305)	12508 (5808-35634)	3416 (2497-4871)	218 (101-622)
	T2D Deaths	5.4 (3.9-7.8)	0.5 (0.2-1.4)	577 (413-825)	112 (52.7-311)	19.9 (14.2-28.4)	2.0 (0.9-5.4)
	CVD Deaths	4.0 (2.9-5.6)	0.3 (0.2-0.9)	3299 (2402-4669)	511 (237-1352)	114 (82.8-161)	8.9 (4.1-23.6)
Turkmenistan	T2D Incidence	44.7 (35.8-54.1)	2.6 (1.6-4.8)	867 (697-1049)	216 (132-398)	478 (384-578)	58.5 (35.7-108)
	CVD Incidence	18.7 (14.0-24.9)	0.8 (0.5-1.4)	2725 (2039-3623)	252 (163-436)	1501 (1123-1997)	68.3 (44.1-118)
	T2D DALYs	30.5 (23.6-40.1)	1.5 (0.9-2.7)	2324 (1794-3050)	571 (351-1034)	1280 (989-1681)	155 (95.2-280)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§, f}	
		1990	2020	1990	2020	1990	2020
Uganda	CVD DALYs	20.4 (15.6-27.3)	0.8 (0.5-1.4)	34992 (26891-46847)	2593 (1672-4471)	19282 (14817-25813)	703 (453-1212)
	T2D Deaths	25.1 (18.6-34.1)	1.2 (0.7-2.2)	45.1 (33.4-61.4)	9.6 (6.1-18.2)	24.8 (18.4-33.8)	2.6 (1.6-4.9)
	CVD Deaths	15.7 (11.8-21.4)	0.6 (0.4-1.0)	1182 (885-1617)	85.0 (55.2-147)	651 (488-891)	23.1 (15.0-39.7)
	T2D Incidence	0.5 (0.3-1.4)	30.5 (22.2-39.2)	45.1 (27.6-120)	9515 (6886-12288)	6.3 (3.8-16.6)	490 (354-632)
	CVD Incidence	0.3 (0.2-0.5)	15.5 (10.5-22.0)	71.7 (42.9-136)	8419 (5668-12082)	10.0 (5.9-18.9)	433 (292-622)
	T2D DALYs	0.4 (0.3-0.9)	25.0 (17.6-33.7)	287 (174-575)	44804 (31585-60946)	39.8 (24.1-79.8)	2305 (1625-3136)
Ukraine	CVD DALYs	0.3 (0.2-0.5)	15.6 (10.4-22.3)	377 (225-665)	47280 (31740-67874)	52.3 (31.2-92.3)	2433 (1633-3492)
	T2D Deaths	0.3 (0.2-0.7)	19.0 (12.7-26.8)	7.9 (4.6-14.6)	1043 (700-1502)	1.1 (0.6-2.0)	53.7 (36.0-77.3)
	CVD Deaths	0.2 (0.1-0.4)	11.7 (7.5-17.2)	12.0 (6.9-22.0)	1404 (921-2101)	1.7 (1.0-3.1)	72.2 (47.4-108)
	T2D Incidence	7.1 (5.0-10.1)	4.9 (3.5-7.3)	4144 (2971-5965)	4712 (3405-7212)	112 (80.5-162)	136 (98.0-207)
	CVD Incidence	2.2 (1.6-3.1)	1.4 (1.1-2.0)	13074 (9605-18869)	10403 (7537-14817)	354 (260-511)	299 (217-426)
	T2D DALYs	4.5 (3.3-6.7)	2.9 (2.1-4.4)	7649 (5652-11356)	7482 (5426-11270)	207 (153-308)	215 (156-324)
United Arab Emirates	CVD DALYs	2.1 (1.6-3.0)	1.4 (1.0-2.0)	122690 (90294-175000)	87329 (63517-125659)	3324 (2446-4741)	2512 (1827-3615)
	T2D Deaths	3.5 (2.6-5.3)	2.2 (1.6-3.2)	85.2 (63.2-130)	48.7 (35.7-71.7)	2.3 (1.7-3.5)	1.4 (1.0-2.1)
	CVD Deaths	1.6 (1.2-2.3)	1.0 (0.8-1.5)	4962 (3613-7086)	3730 (2712-5319)	134 (97.9-192)	107 (78.0-153)
	T2D Incidence	17.3 (11.5-26.4)	7.3 (4.4-14.0)	518 (344-787)	4334 (2543-8440)	460 (306-700)	539 (316-1050)
	CVD Incidence	10.3 (6.8-16.6)	4.6 (2.8-9.4)	664 (431-1074)	2934 (1789-6057)	591 (383-956)	365 (223-754)
	T2D DALYs	13.1 (8.7-19.8)	6.3 (3.8-11.9)	796 (519-1195)	4451 (2686-8317)	708 (461-1063)	554 (334-1035)
United Kingdom	CVD DALYs	9.8 (6.5-15.6)	4.3 (2.6-8.1)	3345 (2193-5246)	4768 (2890-8996)	2975 (1951-4667)	593 (360-1119)
	T2D Deaths	10.1 (6.6-15.8)	4.7 (2.9-9.0)	13.6 (8.9-21.3)	34.3 (21.1-64.2)	12.1 (7.9-19.0)	4.3 (2.6-8.0)
	CVD Deaths	7.9 (5.1-12.4)	3.7 (2.3-7.0)	89.3 (57.7-141)	118 (72.1-222)	79.5 (51.3-125)	14.7 (9.0-27.6)
	T2D Incidence	15.7 (13.5-19.5)	16.2 (13.9-20.3)	15011 (12815-18650)	35514 (30378-44443)	354 (302-440)	680 (582-851)
	CVD Incidence	4.7 (4.0-6.3)	4.5 (3.9-6.3)	16467 (14085-22346)	11190 (9624-15919)	388 (332-527)	214 (184-305)
	T2D DALYs	8.7 (7.6-11.2)	10.2 (8.8-13.1)	24835 (21582-31902)	53341 (45829-68834)	585 (509-752)	1022 (878-1319)
United States	CVD DALYs	4.8 (4.2-6.6)	4.1 (3.5-5.8)	210319 (182613-287409)	67233 (58282-95099)	4957 (4304-6774)	1288 (1117-1822)
	T2D Deaths	4.8 (4.2-6.5)	3.7 (3.2-4.8)	397 (349-538)	227 (200-295)	9.4 (8.2-12.7)	4.4 (3.8-5.6)
	CVD Deaths	3.5 (3.0-4.8)	2.7 (2.3-3.6)	8530 (7405-11548)	2704 (2344-3613)	201 (175-272)	51.8 (44.9-69.2)
	T2D Incidence	19.0 (16.6-24.5)	15.7 (13.7-20.8)	94388 (82001-123108)	298151 (259888-401299)	526 (457-686)	1198 (1044-1612)

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Uruguay	CVD Incidence	6.8 (6.0-9.2)	5.4 (4.8-7.4)	116705 (102117-158932)	66911 (59461-92061)	650 (569-885)	269 (239-370)
	T2D DALYs	10.5 (9.3-14.0)	9.8 (8.8-13.8)	177124 (159142-238967)	455890 (404162-635601)	987 (886-1331)	1831 (1623-2553)
	CVD DALYs	6.4 (5.7-8.8)	5.8 (5.1-8.4)	806389 (717414-1106898)	611902 (542285-882916)	4492 (3996-6166)	2458 (2178-3547)
	T2D Deaths	7.1 (6.4-9.5)	6.7 (6.0-9.9)	3328 (3011-4425)	4615 (4160-6851)	18.5 (16.8-24.6)	18.5 (16.7-27.5)
	CVD Deaths	4.4 (3.9-6.0)	3.8 (3.4-5.3)	30550 (27362-41370)	22499 (20115-31526)	170 (152-230)	90.4 (80.8-127)
	T2D Incidence	26.1 (18.4-37.3)	31.3 (22.4-43.1)	1146 (802-1649)	3667 (2616-5001)	562 (393-808)	1454 (1038-1983)
	CVD Incidence	10.5 (7.1-16.1)	12.4 (8.5-18.3)	1553 (1050-2365)	1845 (1266-2769)	761 (514-1159)	732 (502-1098)
	T2D DALYs	17.1 (11.7-25.2)	20.1 (14.0-28.6)	3279 (2239-4818)	7215 (4972-10269)	1607 (1097-2361)	2861 (1972-4072)
	CVD DALYs	10.8 (7.3-16.2)	11.5 (7.9-17.0)	17414 (11880-26070)	11026 (7677-16210)	8533 (5821-12774)	4372 (3044-6428)
	T2D Deaths	13.3 (8.9-20.2)	14.0 (9.4-20.7)	87.0 (57.8-132)	124 (83.9-185)	42.6 (28.3-64.9)	49.3 (33.3-73.4)
Uzbekistan	CVD Deaths	8.1 (5.5-12.7)	8.1 (5.5-12.2)	709 (478-1103)	468 (319-702)	347 (234-540)	186 (127-278)
	T2D Incidence	16.9 (11.8-24.3)	10.0 (6.5-15.7)	2280 (1599-3280)	9193 (6062-14509)	227 (159-327)	432 (285-681)
	CVD Incidence	5.4 (3.8-8.4)	3.1 (2.1-5.1)	4306 (2963-6691)	9084 (6053-14911)	429 (295-667)	427 (284-700)
	T2D DALYs	10.2 (6.9-15.4)	6.2 (4.0-10.4)	4964 (3376-7507)	18771 (12259-31660)	495 (337-748)	881 (576-1487)
	CVD DALYs	6.2 (4.3-9.3)	3.9 (2.6-6.2)	51801 (35914-77842)	66965 (44086-106239)	5165 (3581-7761)	3145 (2070-4989)
	T2D Deaths	7.9 (5.3-12.6)	4.7 (3.1-8.3)	81.6 (54.8-132)	289 (186-501)	8.1 (5.5-13.1)	13.6 (8.7-23.5)
	CVD Deaths	4.2 (2.9-6.7)	2.8 (1.8-4.7)	1674 (1155-2629)	2157 (1421-3649)	167 (115-262)	101 (66.7-171)
	T2D Incidence	5.1 (3.0-8.7)	8.5 (5.0-13.4)	11.3 (6.8-19.5)	96.5 (56.8-152)	168 (101-288)	606 (357-952)
	CVD Incidence	1.5 (0.9-2.8)	2.3 (1.4-3.8)	4.5 (2.8-8.2)	20.1 (12.4-33.0)	67.2 (41.9-122)	126 (78.0-207)
	T2D DALYs	2.7 (1.6-4.7)	4.4 (2.7-7.2)	38.0 (22.6-68.4)	247 (150-402)	562 (334-1012)	1553 (941-2523)
Vanuatu	CVD DALYs	2.1 (1.3-4.2)	3.4 (2.1-6.1)	119 (72.5-239)	498 (299-886)	1766 (1073-3538)	3127 (1879-5559)
	T2D Deaths	1.9 (1.2-3.5)	3.0 (1.8-4.9)	0.8 (0.5-1.3)	4.1 (2.5-6.8)	11.1 (6.9-19.7)	25.5 (15.7-42.6)
	CVD Deaths	1.6 (1.0-3.0)	2.5 (1.5-4.3)	3.0 (1.8-5.7)	12.4 (7.6-21.9)	44.2 (27.1-85.0)	78.0 (48.0-137)
	T2D Incidence	30.3 (23.6-38.6)	17.7 (12.9-24.5)	7688 (5926-9819)	17167 (12598-23655)	757 (583-966)	944 (693-1301)
	CVD Incidence	14.6 (10.9-19.9)	8.1 (5.8-12.0)	6133 (4548-8379)	8829 (6260-13197)	603 (448-824)	486 (344-726)
	T2D DALYs	21.4 (16.4-28.1)	12.0 (8.8-17.4)	24400 (18830-32115)	54565 (39705-78798)	2401 (1853-3160)	3001 (2184-4334)
	CVD DALYs	15.3 (11.6-20.8)	8.2 (5.9-12.3)	61153 (45883-83310)	77431 (55886-117383)	6017 (4515-8197)	4258 (3074-6456)
	T2D Deaths	16.3 (12.0-22.5)	8.7 (6.2-13.1)	497 (366-684)	1041 (738-1554)	48.9 (36.0-67.3)	57.3 (40.6-85.5)
	CVD Deaths	11.3 (8.4-15.9)	5.9 (4.2-9.0)	1948 (1443-2749)	2704 (1936-4101)	192 (142-270)	149 (106-226)
	T2D Incidence	3.0 (2.1-4.8)	4.0 (3.0-6.2)	1955 (1382-3158)	11213 (8226-17281)	55.2 (39.1-89.2)	164 (121-253)
Vietnam							

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§,f}	
		1990	2020	1990	2020	1990	2020
Yemen, Rep.	CVD Incidence	1.1 (0.8-1.8)	1.7 (1.3-2.8)	1330 (968-2148)	5347 (4029-8854)	37.6 (27.4-60.7)	78.3 (59.0-130)
	T2D DALYs	1.8 (1.3-3.1)	2.8 (2.1-4.5)	5931 (4300-10171)	27755 (20831-45242)	168 (121-287)	407 (305-663)
	CVD DALYs	1.0 (0.7-1.7)	1.5 (1.1-2.4)	11103 (8043-18121)	41579 (31325-66470)	314 (227-512)	609 (459-974)
	T2D Deaths	1.2 (0.9-2.2)	1.9 (1.4-3.3)	137 (101-242)	556 (422-967)	3.9 (2.9-6.8)	8.1 (6.2-14.2)
	CVD Deaths	0.7 (0.5-1.0)	1.0 (0.8-1.5)	347 (258-538)	1362 (1030-2108)	9.8 (7.3-15.2)	20.0 (15.1-30.9)
	T2D Incidence	32.1 (18.9-49.4)	41.7 (26.0-60.4)	2997 (1775-4600)	23905 (14745-34158)	676 (400-1037)	1589 (980-2271)
	CVD Incidence	17.2 (9.5-29.3)	22.3 (12.9-36.3)	9091 (4999-15602)	31844 (18250-52141)	2050 (1127-3518)	2117 (1213-3466)
	T2D DALYs	23.4 (13.6-38.1)	31.5 (19.2-48.6)	5704 (3264-9250)	35696 (21688-55091)	1286 (736-2086)	2373 (1442-3662)
	CVD DALYs	17.3 (9.6-29.5)	21.6 (12.7-34.9)	77488 (42727-131764)	213799 (124888-350366)	17474 (9635-29714)	14213 (8302-23292)
	T2D Deaths	18.9 (10.8-32.3)	23.8 (13.7-38.8)	95.6 (52.3-165)	400 (231-664)	21.6 (11.8-37.2)	26.6 (15.4-44.1)
Zambia	CVD Deaths	14.5 (8.0-24.8)	17.5 (10.0-28.6)	2462 (1384-4295)	7020 (3981-11616)	555 (312-969)	467 (265-772)
	T2D Incidence	38.4 (29.2-47.6)	17.7 (12.1-24.1)	2155 (1640-2680)	4009 (2741-5462)	645 (491-802)	491 (336-669)
	CVD Incidence	21.3 (15.2-28.8)	8.1 (5.3-11.8)	2469 (1736-3353)	2251 (1484-3288)	738 (519-1003)	276 (182-402)
	T2D DALYs	34.7 (25.7-44.3)	14.2 (9.5-19.4)	13119 (9829-16872)	15466 (10263-21064)	3923 (2940-5046)	1893 (1256-2578)
	CVD DALYs	19.9 (13.9-26.9)	7.8 (5.0-11.5)	11999 (8342-16369)	15353 (9956-22719)	3589 (2495-4896)	1879 (1219-2781)
	T2D Deaths	28.6 (20.3-38.0)	10.6 (6.8-15.3)	332 (234-449)	286 (185-418)	99.4 (69.9-134)	34.9 (22.6-51.1)
	CVD Deaths	15.5 (10.5-22.1)	5.8 (3.6-8.8)	378 (255-538)	463 (290-696)	113 (76.2-161)	56.7 (35.4-85.2)
Zimbabwe	T2D Incidence	11.9 (8.1-17.2)	28.8 (20.7-38.5)	786 (531-1139)	6198 (4417-8319)	176 (119-255)	886 (631-1189)
	CVD Incidence	6.3 (4.0-9.7)	15.3 (10.5-21.9)	1096 (708-1691)	4919 (3329-7029)	245 (158-378)	703 (476-1005)
	T2D DALYs	8.9 (5.7-13.7)	22.0 (14.9-31.0)	3419 (2219-5174)	28533 (19232-40818)	765 (496-1158)	4079 (2749-5835)
	CVD DALYs	5.0 (3.2-7.8)	14.1 (9.7-20.3)	4274 (2692-6690)	32142 (22107-47312)	956 (602-1497)	4595 (3161-6764)
	T2D Deaths	7.0 (4.3-11.4)	18.2 (12.1-26.6)	89.6 (54.8-145)	712 (474-1048)	20.0 (12.3-32.4)	102 (67.8-150)
	CVD Deaths	3.9 (2.4-6.3)	11.0 (7.3-16.5)	148 (91.5-243)	1040 (680-1555)	33.0 (20.5-54.3)	149 (97.2-222)

[§] Data represent the central estimate (median) and 95% UI derived from the 2.5th and 97.5th percentiles of 1,000 multiway probabilistic Monte Carlo model simulations. The values shown are the direct and BMI mediated burdens combined using proportional multiplication.

Supplementary Data 4. Proportional and absolute T2D and CVD burdens attributable to SSBs in 1990 and 2020 globally, regionally, and nationally (continued).

Location	Outcome	Proportional burden % [§]		Absolute burden [§]		Absolute burden per 1M population ^{§, f}	
		1990	2020	1990	2020	1990	2020

^f The absolute burden per 1 million adults was calculated by dividing the absolute number of cases by the global/region/country adult population (20+ year) in that year and multiplying by 1 million.

[†] In prior GDD reports, the region Central/ Eastern Europe and Central Asia was referred as Former Soviet Union, and Southeast and East Asia was referred as Asia.

CVD, cardiovascular disease; DALYs, disability-adjusted life years; T2D, type 2 diabetes; UIs, uncertainty intervals.