

Additional File:

Deadly progress: changes in Aboriginal and Torres Strait Islander daily smoking from 2004-2015

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Supplementary Table 1 provides details on the data sources.

Supplementary Table 2 and **Supplementary Table 3** provide the numbers underlying Figures 2 and 3, respectively, and the absolute number of persons in each category.

Supplementary Table 1. Details on the data sources, 2004-2015

	Survey period			
	2004	2008	2012	2014
Aboriginal and Torres Strait Islander				
Survey year(s)	2004/05	2008	2012/13	2014/15
Name of survey	NATSIHS	NATSISS	AATSIHS	NATSISS
Groups not in scope of survey	Non-private dwellings	Non-private dwellings	Non-private dwellings	Non-private dwellings
# of adults surveyed	5,757	7,163	8,157	6,604
# adults in scope (weighted estimate)	258,297	290,937	365,868	399,729
Estimated total adult population*	289,663	351,647	384,088	421,683
% of total adult population represented in survey	89.2	82.7	95.3	94.8
Total Australian population				
Survey year(s)	2004/05	2007/08	2011/12	2014/15
Name of survey	NHS	NHS	NHS	NHS
Groups not in scope of survey	Non-private dwellings; very remote areas; short-term visitors, defence forces, and diplomats from overseas.	Non-private dwellings; very remote areas; discrete Aboriginal and Torres Strait Islander communities; short-term visitors, defence forces, and diplomats from overseas.	Non-private dwellings; very remote areas; discrete Aboriginal and Torres Strait Islander communities; short-term visitors, defence forces, and diplomats from overseas.	Non-private dwellings; very remote areas; discrete Aboriginal and Torres Strait Islander Communities; short-term visitors, defence forces, and diplomats from overseas.
# of adults surveyed	19,501	16,742	15,475	14,560
# adults in scope (weighted estimate)	14,963,000	15,751,000	17,042,000	17,732,000
Estimated total adult population**	15,257,000	16,111,000	17,245,436	18,307,000
% of total adult population represented in survey	98.1	97.8	98.8	96.9

Adult defined as person 18 years of age and older. Non-private dwellings may include institutional settings (hospital, nursing home, prison) and other dwellings such as hotels, motels, hostels, and short-stay caravan parks.

*Aboriginal and Torres Strait Islander surveys were benchmarked based on estimates of the in-scope population from 2001, 2008 2011, and projections for 2014, respectively. **Surveys were benchmarked based on the estimated in-scope Australian population at 31 December 2004, 31 December 2007, 31 October 2011, and 31 December 2014.

Supplementary Table 2. Estimated prevalence of daily smoking (and 95%CI) among Aboriginal and Torres Strait Islander adults by age group, 2004-2015

	Prevalence (%) of daily smoking among adults [95%CI] (n/N, '000s)				Prevalence decrease, 2004- 2015 [95%CI] (p-value)
	Survey period				
	2004	2008	2012	2014	
18-24 years*	50.5 [45.8,55.2] (29/57)	49.7 [45.2,54.2] (34/68)	42.6 [39.2,46.1] (36/85)	37.3 [31.8,42.9] (35/94)	13.2 [5.9,20.4] (p<0.01)
25-34 years*	54.6 [50.0,59.1] (38/70)	52.9 [49.4,56.4] (37/70)	51.5 [48.2,54.7] (45/87)	45.5 [41.2,49.9] (44/96)	9.0 [2.7,15.3] (p<0.01)
35-44 years*	55.1 [51.1,59.1] (33/59)	51.1 [46.9,55.4] (33/64)	48.3 [44.5,52.1] (38/78)	46.4 [41.7,51.1] (35/76)	8.7 [2.6,14.8] (p<0.01)
45-54 years	50.5 [45.6,55.3] (20/40)	46.9 [42.2,51.6] (22/47)	46.3 [42.2,50.4] (28/60)	45.9 [41.3,50.5] (30/66)	4.6 [-2.1,11.2] (p=0.18)
55-64 years	34.1 [27.7,40.5] (7/21)	38.5 [33.2,43.8] (10/27)	33.2 [29.2,37.2] (12/35)	35.4 [29.9,40.9] (15/42)	-1.3 [-9.7,7.1] (p=0.77)
≥65 years	23.2 [16.9,29.5] (3/12)	20.1 [14.6,25.5] (3/16)	21.4 [16.7,26.0] (5/22)	24.1 [19.1,29.1] (6/26)	-0.9 [-8.9,7.1] (p=0.84)

* indicates a significant within-group decrease between 2004 and 2015.

Supplementary Table 3. Estimated prevalence of daily smoking (and 95%CI) among Aboriginal and Torres Strait Islander adults by sex and remoteness, 2004-2015

	Prevalence (%) of daily smoking among adults [95%CI] (n/N, '000s)				Prevalence (%) decrease, 2004-2015 [95%CI] (p-value)
	Survey period				
	2004	2008	2012	2014	
Sex					
Males*	51.3 [48.0,54.6] (62/120)	49.9 [47.0,52.9] (69/138)	46.3 [43.8,48.9] (83/179)	43.9 [40.4,47.4] (84/191)	7.4 [2.7,12.2] (p<0.01)
Females*	48.9 [46.1,51.8] (67/138)	45.7 [43.1,48.2] (70/153)	42.5 [40.3,44.7] (80/187)	39.1 [36.4,41.9] (82/209)	9.8 [5.8,13.8] (p<0.01)
Remoteness					
Urban/regional*	49.3 [46.5,52.1] (91/186)	46.3 [44.0,48.7] (100/216)	42.0 [39.8,44.2] (119/284)	39.1 [36.4,41.9] (122/311)	10.2 [6.2,14.1] (p<0.01)
Remote	51.9 [48.6,55.3] (38/73)	51.5 [48.1,54.9] (39/75)	52.6 [49.9,55.3] (43/82)	49.3 [45.3,53.2] (44/89)	2.6 [-2.5,7.8] (p=0.32)
Sex and remoteness					
Urban/regional males*	48.7 [44.4,53.0] (42/87)	48.0 [44.5,51.5] (49/102)	42.7 [39.7,45.7] (59/138)	41.2 [36.9,45.4] (61/149)	7.5 [1.6,13.5] (p<0.01)
Remote males	57.9 [53.3,62.6] (20/34)	55.3 [50.8,59.8] (20/36)	58.7 [55.0,62.4] (24/40)	53.4 [48.0,58.9] (22/42)	4.5 [-2.7,11.6] (p=0.22)
Urban/regional females*	49.8 [46.2,53.4] (49/99)	44.9 [41.8,47.9] (51/114)	41.3 [38.7,43.9] (60/145)	37.3 [33.9,40.6] (60/162)	12.6 [7.6,17.5] (p<0.01)
Remote females	46.7 [42.0,51.4] (18/39)	48.0 [43.8,52.2] (19/39)	46.7 [43.2,50.2] (20/42)	45.5 [40.6,50.5] (21/47)	1.1 [-5.6,7.9] (p=0.75)

* indicates a significant within-group decrease between 2004 and 2015.