



Ontario Tobacco Survey

Follow-up 3 Summary Report: Eighteen Month Data

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Study Team for the Ontario Tobacco Survey

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Appendices

Appendix A – OTS Follow-up 3 Questionnaires, Waves 3 – 9

A1: [OTS F3 Cohort 6 Questionnaire \(July – December 2009\)](#)

For the remaining questionnaires, see the following Appendices in OTS Technical Report 2:

A7: [OTS F2 Cohort 2, F3 Cohort 1 Questionnaire \(January – June 2007\)](#)

A8: [OTS F2 Cohort 3, F3 Cohort 2 Questionnaire \(July – December 2007\)](#)

A9: [OTS F2 Cohort 4, F3 Cohort 3 Questionnaire \(January – June 2008\)](#)

A10: [OTS F1 Cohort 6, F2 Cohort 5, F3 Cohort 4 Questionnaire \(July – December 2008\)](#)

A11: [OTS F2 Cohort 6, F3 Cohort 5 Questionnaire \(January – June 2009\)](#)

Appendix B – [OTS Follow-up 3 Data Dictionary \(18-month data\)](#)

Please also refer to the updated Appendices in the OTS Technical Report 2 document:

[Appendix B – OTS Follow-up Question Database \(updated September 2010\)](#)

[OTS Follow-up Question Edits \(.xls, updated September 2010\)](#)

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Overview

The Ontario Tobacco Survey (OTS) is a provincial longitudinal survey of adult smokers and cross-sectional survey of non-smokers on smoking attitudes and behaviours. It was undertaken to evaluate and inform the Smoke-Free Ontario Strategy and to gain a better understanding of the processes of, and influences on, smoking cessation and relapse. The OTS is a unique study as smokers are re-interviewed every six months for up to three years. Data collection for the OTS began in July 2005; at the present time, follow-up data collection is ongoing.

This summary report describes the eighteen month follow-up sample, as well as provides specifics regarding loss-to-follow-up. This document is an extension to earlier Technical Reports for the OTS: the first technical report outlined the OTS design and baseline data while the second technical report detailed the follow-up study procedures as well as described the six and twelve month data.

This report outlines specific details regarding the eighteen month follow-up data for all six cohorts in the longitudinal study. Follow-up 3 data were collected from January 2007 through December 2009. Smokers (any smoking in the past six months at baseline) completed eighteen month follow-up interviews averaging 18 minutes in length. The 18-month retention rate for the OTS was 75% of the baseline sample; the contact rate was 92% and the cooperation rate was 97%.

Those using the OTS data should refer to the OTS Technical Report 1 and Technical Report 2 for specific details regarding the OTS study design as well as specifics regarding the sample at baseline, six and twelve months follow-up.

Eighteen Month Follow-up Study Data

Follow-up 3 Study Sample and Retention

Table 1 details the eighteen-month follow-up statistics by cohort, including the interviewed sample of recent smokers at F3, contact, cooperation and retention rates, as well as survey length. As seen in Table 1, the recent smoker contact rate at F3 was 92% and the cooperation rate was 97%. The OTS eighteen-month retention rate from baseline was 75%.

Table 1: Eighteen-Month Follow-up (F3) Statistics of Recent Smokers in the OTS, by Cohort and Overall

Follow-up 3	Cohort 1	Cohort 2	Cohort 3	Cohort 4	Cohort 5	Cohort 6	All Cohorts
Data Collection Period	Jan-Jun 2007	Jul-Dec 2007	Jan-Jun 2008	Jul-Dec 2008	Jan-Jun 2009	Jul – Dec 2009	Jan '07 – Dec '09
Completed F3 Interviews	575	543	552	563	572	545	3350
Partial Interviews*	0	1	2	1	0	0	4
Eligible sample †	704	665	678	658	672	643	4020
Contact Rate (%) ‡	91.6	91.4	90.6	92.0	93.1	91.7	91.7
Cooperation Rate (%) §	97.3	96.1	96.0	98.3	97.1	96.8	96.9
Retention from Baseline (%)	76.8	72.3	73.9	75.0	76.1	72.8	74.5
Average survey length (minutes)	18.7	18.7	18.0	17.4	16.2	17.6	17.8

Note: F3 = follow-up three (eighteen month follow-up)

* Partial Interviews are those in which respondents began the survey but did not complete the full interview

† Number of participants eligible for F3 (i.e., respondents eligible for F1 or F2, less those who at F2 explicitly asked to be removed from the study, those identified at F2 as being deceased or out of the country, and those who missed two consecutive follow-up interviews (i.e., respondents who were not contacted at F1 and F2)

‡ Percentage of the eligible sample that was contacted at F2¹

§ Cooperation rates were calculated according to AAPOR COOP#4

|| Percentage of baseline respondents who were retained at F3, including both completed and partial interviews [e.g., (591+2)/750=79.1%]

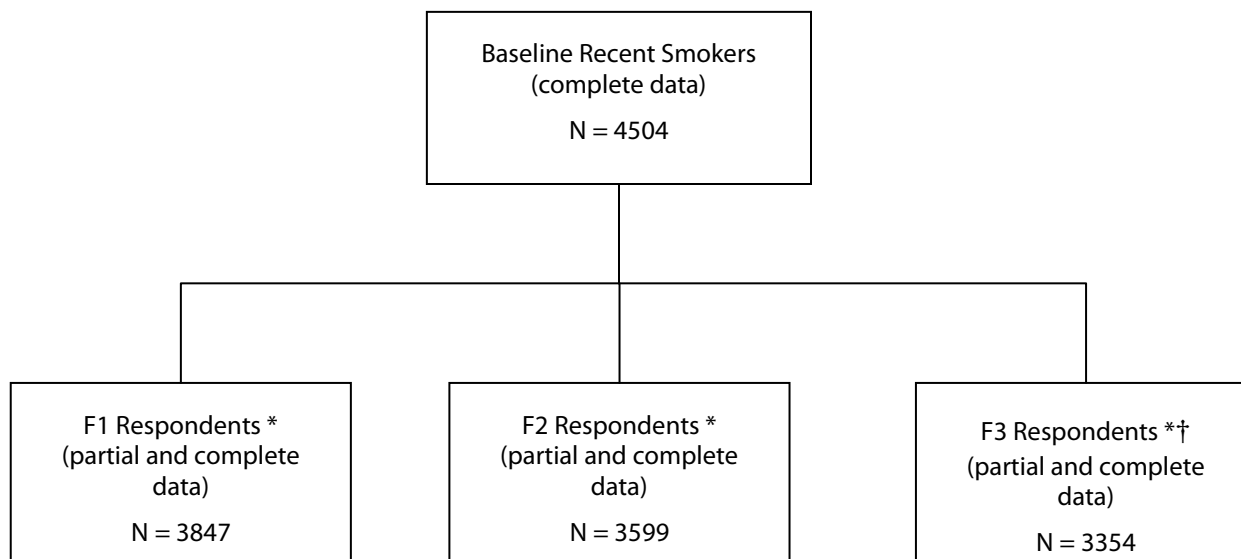
Source: OTS Eighteen Month Follow-up Data²

Longitudinal Study Participants

Partial interviews (BL N=67 F1 N=12, F2 N=11, F3 N=4) represent those where the respondent started the interview, but terminated the interview prior to completion. Recent smokers with partial data at baseline are not eligible for follow-up. At baseline, 4504 recent smokers had complete data and were eligible for recontact; at six-month follow-up (F1), data was available on 3847 participants, at twelve-month follow-up (F2), data was available on 3599 participants, and at eighteen-month follow-up, data was available on 3354 participants (Figure 1). There were 198 respondents that started F2 who were not successfully contacted for an interview at F1. At F3, there were 162 respondents that started the interview but were not successfully contacted for an interview at F2; 134 respondents started the F3 interview but did not complete the F1 interview. Overall, 3050 respondents have full data from baseline to eighteen-month follow-up. Baseline recent smokers eligible for follow-up (n=4504) who only provide partial data during a follow-up interview are recontacted for subsequent interviews unless they explicitly request to be withdrawn from the study,

are identified as deceased, incompetent or out of the country. In addition, follow-up participants are withdrawn from the study if they are not successfully contacted for two consecutive interviews.^a

Figure 1: OTS Eligible Baseline Sample for Follow-Up and Interviewed Sample at Six, Twelve and Eighteen Month Follow-Up Interviews



*Eligibility for follow-up is based on complete baseline data, continued consent, and not missing two consecutive follow-up interviews.

†Respondents who had missed two consecutive interviews were recontacted in W4; as a result, 8 respondents were recontacted in F3 who would otherwise been considered ineligible for recontact.

Figure 2 shows a flow diagram for OTS respondents with data at each time period to eighteen months follow-up. Of the 4504 eligible baseline respondents, 451 respondents have no follow-up data, 1003 respondents are missing at least one of F1, F2 or F3 and 3050 respondents have data at baseline, six, twelve and eighteen months follow-up.

^a Respondents were not to be recontacted if they missed two consecutive follow-up interviews; however, there were eight respondents who met this criterion but were recontacted and interviewed at F3. These include the respondents with the following ID_0 numbers: 100048, 100458, 100652, 100808, 100873, 100956, 101236, and 101442.

Figure 2: Flow Diagram for Longitudinal Respondents with interview data at Baseline, Six, Twelve and Eighteen Month Follow-up

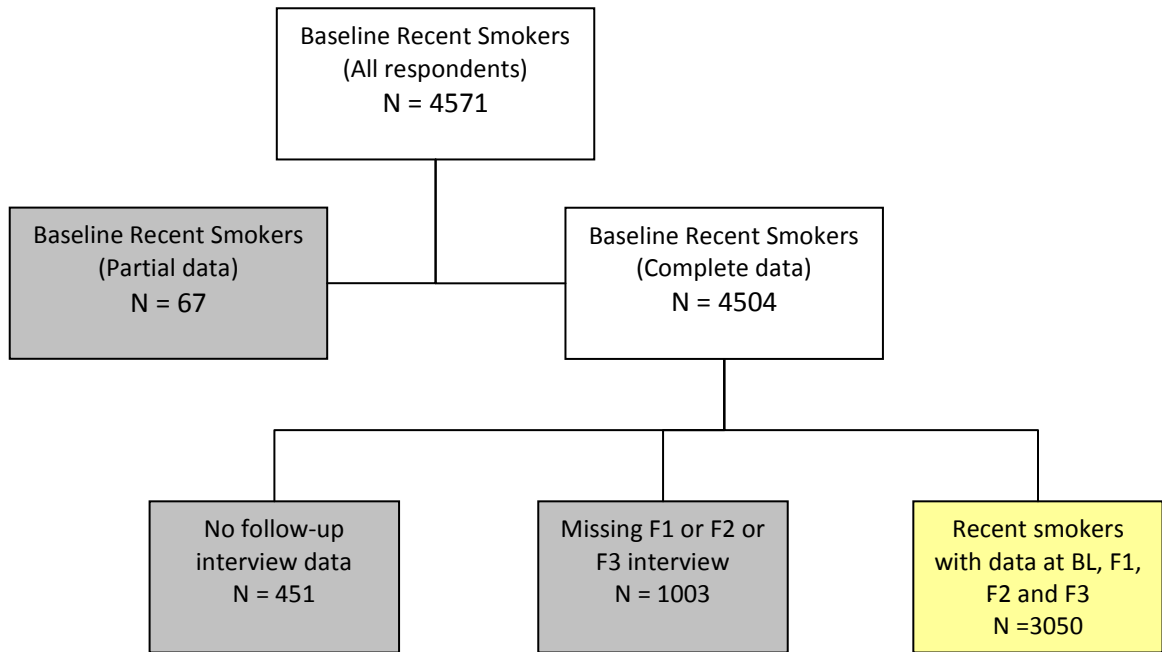


Table 2 provides basic baseline demographic information for the complete baseline recent smoker sample as well as those that are lost to follow up and those that are retained at six and twelve months. At F3, those lost-to-follow-up were more likely to be younger, male, and single (Table 2).

Table 2: Demographic Characteristics of the OTS Sample of Recent Smokers at Baseline Eligible for Recontact, Respondents Lost-to-Follow-up and Respondents Retained at Eighteen Month Follow-up

Demographic	Baseline		18 month Lost to Follow-up		18-Month Retained at Follow-up	
	No. of Interviews	Unweighted %	No. of Interviews	Unweighted %	No. of Interviews	Unweighted %
	N = 4504		N = 1150		N = 3354	
Age (years) *						
18-29	1007	22.4	417	36.6	590	17.7
30-44	1428	31.7	371	32.6	1057	31.7
45-64	1698	37.7	278	24.4	1420	42.6
65+	341	7.6	73	6.4	268	8.0
Don't know/Refused	30		11		19	
Sex *						
Male	2078	46.1	582	50.6	1510	45.0
Female	2426	53.9	568	49.4	1844	55.0
Marital Status *						
Married / Partner	2386	53.0	511	44.7	1875	56.1
Widowed	230	5.1	49	4.3	181	5.4
Divorced	449	10.0	100	8.7	349	10.4
Separated	307	6.8	88	7.7	219	6.6
Never married	1111	24.7	395	34.6	716	21.4
Don't know/Refused	21		7		14	
Regional Status (Area Code)						
807 / 705	1246	27.7	316	27.5	930	27.7
613	1094	24.3	287	25.0	807	24.1
519	1296	28.8	310	27.0	986	29.4
416 / 647 / 905 / 289	868	19.3	237	20.6	631	18.8
Highest Education						
Less than high school	742	16.5	214	18.7	528	15.8
Completed high school	1360	30.2	368	32.1	992	29.6
Some college or university	506	11.2	122	10.7	384	11.5
Graduated college or university	1831	40.6	427	37.3	1404	41.9
Other	55	1.2	15	1.3	40	1.2
Don't know/Refused	10		4		6	
Smoking Status †						
Current smoking	4064	90.2	1037	90.2	3027	90.3
Formerly smoker	291	6.5	66	5.7	225	6.7
Never smoked	146	3.2	47	4.1	99	3.0
Don't know/Refused	3		0		3	

* p< 0.05 for difference between the sample lost to follow-up, and those responding to eighteen-month follow-up

† Smoking status is based on the derived variable dvTSsmk3 as outlined in the OTS Technical Reports 1 and 2 Derived Variables document in Appendix C: current smokers are respondents who have smoked within the past month and have smoked 100+ lifetime cigarettes; former smokers are those who have smoked 100+ lifetime cigarettes but last smoked more than 30 days ago; never smokers are those who have not smoked 100+ cigarettes in their lifetime.

‡ Source: Ontario Tobacco Survey: Baseline and Eighteen Month Data 3

Among current smokers at baseline, respondents who were lost to follow-up at the eighteen month (F3) interview were more likely to smoke fewer cigarettes, although there was no difference in the proportion that reported being daily smokers at baseline (Table 3). In addition, there were no significant differences for time to first cigarette, and intention to quit at baseline between responders and those lost to follow-up at F3 (Table 3).

Table 3 outlines key smoking indicators among current smokers at baseline, and at six and twelve month follow-ups. Please refer to the OTS F3 Data Dictionary (Appendix B) for detailed codebook and variable frequencies.

Table 3: Key Smoking Indicators Among Current Smokers[†] at Baseline Eligible for Recontact, Respondents Lost-to-Follow-up and Respondents Retained at Eighteen Month Follow-up

Smoking Indicator	Baseline		18-Month Lost to Follow-up		18-Month Retained at Follow-up	
	No. of Interviews	Unweighted %	No. of Interviews	Unweighted %	No. of Interviews	Unweighted %
	N = 4064		N = 1037		N = 3027	
% Self-report daily smokers	3554	87.5	896	86.4	2658	87.8
Average cigarettes smoked per day *						
Less than 10	1276	31.8	352	34.6	924	30.8
10 – 20	1726	43.0	427	41.9	1299	43.3
More than 20	1016	25.3	239	23.5	777	25.9
Don't know/Refused	46		19		27	
Intention to Quit						
Within 6 months	1580	40.6	408	41.1	1172	40.4
In the future, beyond 6 months	1366	35.1	369	37.2	997	34.4
Not planning to quit	914	23.5	212	21.4	702	24.2
I have already quit	32	0.8	3	0.3	29	1.0
Don't know/Refused	172		45		127	
Time to First Cigarette (minutes) ‡						
Less than 5 minutes	337	9.5	86	9.6	251	9.5
5 – 30 minutes	1902	53.5	453	50.8	1449	54.8
More than 30 minutes	1299	36.6	353	39.6	946	35.8
Don't know/Refused	526		145		381	

* $p < 0.05$ for difference between the sample lost to follow-up, and those responding to six-month follow-up

† Current smoking is determined from the derived variable dvTSsmk3 (see Appendix C) – self-defined daily, almost every day, or occasional smokers who have smoked 100+ cigarettes in their lifetime

‡ Time to first cigarette measured for self-report daily/almost daily smokers only

§ Source: Ontario Tobacco Survey: Baseline and Eighteen Month Data³

References

- ¹ American Association for Public Opinion Research. Standard definitions: *Final dispositions of case codes and outcome rates for surveys. 5th edition*. Lenexa, Kansas: AAPOR, 2008.
- ² Ontario Tobacco Research Unit. *Ontario Tobacco Survey: Eighteen Month Follow-up Data* [computer file]. Toronto, ON: Ontario Tobacco Research Unit [producer], 2010.
- ³ Ontario Tobacco Research Unit. *Ontario Tobacco Survey: Baseline and Eighteen Month Data* [computer file]. Toronto, ON: Ontario Tobacco Research Unit [producer], 2010.