

CATS
Household
Travel
Survey
1988-1991

CATS Travel Survey History

1956--CATS Home Interview. Largest in the Country. Netted a data base of 49,591 Households. Had a study area of Cook and part of DuPage Counties.

1970--The Home Interview. Boasted a 1% sample netting 21,748 Households. Used 200 field workers to collect data.

1979--Update of 1970 data yielded 281 households.

1988-1991-- CATS Household Travel Survey. Successfully accomplished a self administered mailback travel survey with a fraction of the resources used in any of the prior efforts. Yielded high quality results and a data base of 19,314 households.

Uses

Travel Forecasting

Special Studies (AVO)

Descriptive Analysis

Areas Surveyed

Chicago's CBD--Fall 1988

McHenry County--Spring 1989

Lake County--Fall 1989

DuPage County--Spring 1990

**Kane, Will and Kendall
Counties--Fall 1990**

Sub. Cook County--Spring 1991

Chicago--Fall 1991

Household Travel Survey Features

Self Administered Mail-Out Mail-Back

Targets Individuals at Their Homes

Sampled from Electric Meter Addresses

Collected Travel and Demographic Data

Travel Data Obtained for Those 14 and Older

Questionnaire Used Trip Diary Concept

Sought Travel for a Reference Day (Thursday)

Emphasized Walking To / From Transit Trips

Focused on Non-Work Travel

Solicited Respondent's Phone Number for Follow-up Interviews

Utilized Reminder Letters for Late Respondents

Successfully Undertaken in Other Areas Here and Abroad

Conducted In-house with CATS Staff

Factored and Adjusted by a Team of University Professors

Composite Summary

Universe

Total Households: 2,773,454

Households Sampled: 79,346 (2.9%)

Usable Households: 19,314 (0.7%)

Response Rate: .243 or 24%

Raw Data Base

Households: 19,314

Persons 14 and over: 40,568

Trips: 162,755

Number of Households in the Universe, Sample and the Sampling Rate by Area

<u>Area (Zones)</u>	<u>Universe</u>	<u>Sampled</u>	<u>Percent</u>
CBD (1)	30,968	1,869	6.03
McHenry (3)	63,613	6,948	10.92
Lake (5)	176,758	9,143	5.17
DuPage (9)	295,663	17,586	5.95
Kane (3)	109,956	5,886	5.35
Will (2)	126,236	4,079	3.23
Kendall (1)	13,248	2,038	15.38
Sub. Cook (7)	903,713	14,037	1.55
Chicago* (6)	<u>1,053,299</u>	<u>17,760</u>	<u>1.69</u>
Total (37)	2,773,454	79,346	2.86

* Excludes CBD

Number of Households Sampled verses the Sampling Target by Area

<u>Area (Zones)</u>	<u>Sample</u>	<u>Target</u>	<u>Usable</u>
CBD (1)	1,869	400	404
McHenry (3)	6,948	1,200	2,004
Lake (5)	9,143	2,000	2,480
DuPage (9)	17,586	3,600	5,098
Kane (3)	5,886	1,200	1,741
Will (2)	4,079	800	896
Kendall (1)	2,038	400	695
Sub. Cook (7)	14,037	2,800	3,675
Chicago* (6)	<u>17,760</u>	<u>2,400</u>	<u>2,321</u>
Total (37)	79,346	14,800	19,314

* Excludes CBD

Number of Households, Persons* and Trips in the Final Data Base by Area

<u>Area (Zones)</u>	<u>Households</u>	<u>Persons</u>	<u>Trips</u>
CBD (1)	404	573	2,145
McHenry (3)	2,004	4,355	17,864
Lake (5)	2,480	5,287	21,386
DuPage (9)	5,098	10,845	45,728
Kane (3)	1,741	3,850	15,212
Will (2)	896	1,912	7,607
Kendall (1)	695	1,542	6,052
Sub. Cook (7)	3,675	7,645	30,496
Chicago** (6)	<u>2,321</u>	<u>4,559</u>	<u>16,265</u>
Total (37)	19,314	40,568	162,755

* 14 and over ** Excludes CBD

**Percent of All Households
Sampled, in the Final Data Base and the
Response Rate by Area**

<u>Area (Zones)</u>	<u>Sampled</u>	<u>Data Base</u>	<u>Response Rate</u>
CBD (1)	6.03%	1.30%	21.6%
McHenry (3)	10.92	3.15	28.8
Lake (5)	5.17	1.40	27.1
DuPage (9)	5.95	1.72	29.0
Kane (3)	5.35	1.58	29.6
Will (2)	3.34	0.71	22.0
Kendall (1)	15.38	5.25	34.1
Sub. Cook (7)	1.55	0.41	26.2
Chicago* (6)	<u>1.69</u>	<u>0.22</u>	<u>13.1</u>
Total (37)	2.86%	0.70%	24.3%

* Excludes CBD

CATS Household Travel Survey Reports

<u>Volume</u>	<u>Title</u>
One	Chicago's Central Business District, September 1989
Two	McHenry County, March 1990
Three	Lake County, August 1990
Four	DuPage County, August 1992
Five	Will County, December 1992
Six	Suburban Cook County, May 1993
Seven	City of Chicago, Pending
Eight	Kendall County, July 1993
Nine	Kane County, July 1993

Transportation Facts

<u>Volume</u>	<u>Number</u>	<u>Focus</u>
7	2	Chicago's CBD and McHenry County, March 1990
8	3	Lake and DuPage Counties, November 1991
10	2	Suburban Cook County and City of Chicago, April 1993
10	4	Kane, Kendall and Will Counties, July 1993

Miscellaneous Reports and Papers

Literature Review of Non-Response Bias in Transportation Planning Data-Sets, Urban Transportation Center, University of Illinois at Chicago, Interim Report Task 1, February 1991.

End Uses of CATS' Travel Data: Information for Factoring, Urban Transportation Center, University of Illinois at Chicago, Interim Report: Task 2a, December 1991.

Summary Report of Metropolitan Travel Surveys, Urban Transportation Center, University of Illinois at Chicago, Interim Report, March 1992.

Factoring Household Travel Surveys, Transportation Research Board, Research Record Number 1412, January 1993.

Non-Response Bias and Trip Generation Models, Transportation Research Board, Research Record 1412, January 1993.

Shopping Trip Chains: Current Patterns and Changes Since 1970, Transportation Research Board, January 1994.