

## German Mobility Panel (MOP)

### Code book (english)

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## 1 Overview of the different data sets of the German Mobility Panel

The data sets of the German Mobility Panel (MOP) consist of seven files per survey wave. The following table lists these files and provides a link to the code book. The code books of the data sets are in the same data folder than this document.

Data sets	Description	Available from survey wave <sup>1</sup>	Link code book
HH	Data description of the household data file	1994/1995	<a href="#">Link HH</a>
P	Data description of the person data file	1994/1995	<a href="#">Link P</a>
POT	Data description of the person-without-trip-diary data file. These persons did not fill out the trip diary or the trip diary could not be used for further analysis.	1996/1997	<a href="#">Link POT</a>
KIND	Data description for the child data file. Children under 10 years are not asked to fill out the trip diary. Their personal data recorded by the household questionnaire is kept in this file.	1994/1995	<a href="#">Link Kind</a>
PT	Data description of the person-day data file. This file contains only aggregated trip data by day.	1999/2000	<a href="#">Link PT</a>
W	Data description of the trip data file	1994/1995	<a href="#">Link W</a>
TANK	Data description of the vehicle mileage and fuel consumption data file	2001/2002	<a href="#">Link TANK</a>
AKKU	Data description of the vehicle mileage loading file	2019/2020	<a href="#">Link Akku</a>

The data set labeling consists of the level of the data set on the year of the survey. In the following, a labelings example of the survey wave 2014/2015 is shown:

Data set labeling	HH14   KIND14   P14   POT14   PT14   W14	TANK15
Survey period	Survey in autumn 2014	Survey in spring 2015

<sup>1</sup> A survey wave of the MOP consists of the survey on everyday mobility in the autumn of a particular year, e. g. 2014, and the survey on car mileage and fuel consumption in the following spring, e. g. 2015.

2 Survey waves

Cohort	HH-ID	ABL/NBL	Year of the wave																																	
			1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022					
1994	0 - 1074		Households Persons Trips	239 517 12,380	140 297 6,522	69 161 3,890																														
1995	3000 - 3451		Households Persons Trips		245 447 10,294	116 203 4,648	99 173 3,958																													
1996	5000 - 5733		Households Persons Trips			563 1,123 28,595	424 837 20,532	322 632 15,404																												
1997	6000 - 6639		Households Persons Trips				241 513 13,772	180 364 8,993	141 296 7,809																											
1998	7000 - 7728		Households Persons Trips					244 430 12,373	202 282 9,721	153 294 8,786																										
1999	110000 - 111996 510000 - 510599	ABL	Households Persons Trips						430 687 17,294	282 455 10,717	242 382 9,476																									
		NBL	Households Persons Trips							240 502 11,563	145 306 6,884	118 241 5,525																								
2000	130000 - 130999 530000 - 530221	ABL	Households Persons Trips							180 420 10,530	141 311 7,812	106 230 5,784																								
		NBL	Households Persons Trips								77 143 3,356	56 106 2,457	44 79 1,903																							
2001	150000 - 155537 550000 - 555181	ABL	Households Persons Trips							453 793 20,235	348 608 15,224	283 509 12,928																								
		NBL	Households Persons Trips								112 162 4,098	63 107 3,606	256																							
2002	170000 - 173174 570000 - 570691	ABL	Households Persons Trips							306 540 13,062	229 402 9,867	221 380 9,108																								
		NBL	Households Persons Trips								89 159 3,640	69 122 2,929	66 111 2,672																							
2003	190000 - 190936 590000 - 590636	ABL	Households Persons Trips										271 516 13,474	194 364 9,320	153 296 7,770																					
		NBL	Households Persons Trips								188 340 7,430	133 235 5,047	107 185 4,098																							
2004	210000 - 210777 610000 - 610199	ABL	Households Persons Trips											333 596 14,788	258 456 11,412	178 302 7,586																				
		NBL	Households Persons Trips									86 152 3,449	72 119 2,714	62 99 2,322																						
2005	230001 - 230800 630000 - 630176	ABL	Households Persons Trips											299 540 13,475	202 345 8,511	166 274 6,937																				
		NBL	Households Persons Trips									78 131 2,710	49 103 2,129	73 73 1,577																						
2006.00	250000 - 250840 650000 - 650213	ABL	Households Persons Trips												312 548 13,982	229 386 9,369	194 338 8,374																			
		NBL	Households Persons Trips													76 158 3,704	68 120 2,433	56 95 2,070																		
2007.00	270000 - 270819 670000 - 670213	ABL	Households Persons Trips													308 571 14,014	259 479 11,802	195 350 8,609																		
		NBL	Households Persons Trips														84 143 3,190	68 110 2,504	58 92 2,163																	
2008.00	290000 - 290998 690000 - 690226	ABL	Households Persons Trips														398 630 15,347	306 476 11,457	258 397 9,545																	
		NBL	Households Persons Trips															87 131 2,932	67 99 2,297	56 83 1,888																
2009.00	310000 - 319999 710000 - 719999	ABL	Households Persons Trips															277 487 11,391	215 381 8,992	184 326 7,372																
		NBL	Households Persons Trips																79 128 3,097	52 84 2,405	770 84 1,977															
2010.00	330000 - 339999 730000 - 739999	ABL	Households Persons Trips																	312 548 13,982	229 386 9,369	194 338 8,374														
		NBL	Households Persons Trips																		76 158 3,704	68 120 2,433	56 95 2,070													
2011	350000 - 359999 750000 - 759999		Households Persons Trips																		487 785 18,877	373 603 13,890	326 525 12,075													
2012	370000 - 379999 770000 - 779999		Households Persons Trips																			490 780 18,457	362 572 13,286	301 443 10,008												
2013	3900000000 - 3919999999 7900000000 - 7919999999		Households Persons Trips																				829 1,272 31,242	644 989 23,215	500 770 18,318											
2014	4100000000 - 4119999999 8100000000 - 8119999999		Households Persons Trips																					752 1,223 29,062	545 845 19,300	472 737 16,864										
2015	4300000000 - 4319999999 8300000000 - 8319999999		Households Persons Trips																						673 1,071 25,249	538 864 16,592	467 731									
2016	4500000000 - 4519999999 8500000000 - 8519999999	Households Persons Trips																							747 1,273 29,305	577 952 20,614	483 793 17,822									
		Households Persons Trips																								806 1,391 32,756	618 1,061 24,133	539 911 20,605								
2018	4900000000 - 4919999999 8900000000 - 8919999999		Households Persons Trips																							744 1,284 29,227	598 1,009 21,836	544 895 17,770								
2019	5100000000 - 5119999999 9100000000 - 9119999999		Households Persons Trips																								718 1,271 28,355	591 1,030 20,363	513 866 17,371							
2020	5300000000 - 5319999999 9300000000 - 9319999999		Households Persons Trips																									828 1,536 25,239	659 1,205 25,774	542 952 20,057						
2021	5500000000 - 5519999999 9500000000 - 9519999999		Households Persons Trips																										688 1,176 23,723	573 1,005 20,705						
		Total	Households Persons Trips	239 517 12,380	385 744 16,816	748 1,487 37,233	764 1,523 38,262	746 1,500 36,770	1,013 1,888 46,387	837 1,618 46,387	1,122 2,015 49,603	982 1,774 43,219	1,103 1,996 46,192	1,033 1,838 44,384	967 1,727 42,177	907 1,555 38,246	904 1,567 37,520	1,062 1,783 43,029	982 1,630 39,014	1,042 1,768 42,131	1,074 1,800 42,594	1,173 1,913 44,531	1,517 2,369 56,603	1,697 2,655 62,285	1,718 2,874 62,867	1,757 2,874 66,109	1,850 3,074 70,252	1,845 3,118 71,189	1,853 3,191 70,796	1,963 3,247 63,372	1,840 1,957 66,868	1,117 1,957 40,775				

### 3 Coding

Picture 3-1 shows an extract of the household questionnaire<sup>2</sup>. The question is asked in a matrix structure so that information about all household members will be collected. These information will be saved at the person data file (P).

Personen im Haushalt	Älteste Person	Zweitälteste Person	Drittälteste Person	Viertälteste Person	Fünftälteste Person
Vorname: .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Geschlecht: männlich .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
weiblich .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geburtsjahr: .....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<b>Wer hat ...</b>					
einen Pkw-Führerschein? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
eine Fahrgemeinschaft? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
eine Zeitkarte für die öffentlichen Verkehrsmittel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
eine gültige BahnCard der Deutschen Bahn? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ein Mofa / Moped / Motorrad? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ein Fahrrad? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ein Elektrofahrrad? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ein Smartphone? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Picture 3-1: Extract of the household questionnaire**

Picture 3-2 gives an overview of how the questions of the household questionnaire are translated into the code book.

<sup>2</sup> The questionnaires are only available in German language.

Variablename	BAHNCARD <span>1</span>	since	until
Type of variable	Queried in the questionnaire <span>2</span>	2016	
Description	Who has a valid "Deutsche Bahn" railcard? <span>3</span>		
Question History: <span>4</span> <span>5</span>			
Description	possession of a valid "Deutsche Bahn" railcard	since	until
Type of variable	Queried in the questionnaire	1994	2004
Description	possession of a valid "Deutsche Bahn" railcard	since	until
Type of variable	Queried in the questionnaire	2006	2011
Description	Who has a valid "Deutsche Bahn" railcard?	since	until
Type of variable	Queried in the questionnaire	2012	2012
Description	Who has / Who uses a valid "Deutsche Bahn" railcard?	since	until
Type of variable	Queried in the questionnaire	2013	2015
Answercode	Answertext <span>6</span>	since	until
1	Checked	2016	
.	Not checked	2016	
Answer History: <span>7</span>			
1	Yes	1994	2015
2	No	1994	2015
.	No response	1994	2015

Picture 3-2: Overview Codeplan

Number	Explanation
1	Variable name of how it is shown in the data set
2	Type of variable gives information about the data type Characteristics: <ul style="list-style-type: none"> <li>• Determined by the field work company</li> <li>• Queried in the questionnaire</li> <li>• Calculated on the basis of other questions / variables</li> <li>• Supplemented from external sources</li> </ul>
3	Question as shown in the questionnaire, see Picture 3-1

4 <sup>3</sup>	In the question history all changes of the question (and the type of variable) are shown. Furthermore, the period where the questions was part of the questionnaire is shown.
5	<p>„Since“ defines the year of the survey wave where the variable was used for the first time. „Until“ defines the year where the variable was changed/deleted. For all data sets the year where the everyday mobility in the survey wave took place is standard.</p> <p><i>Example: For the everyday mobility a new variable is going to be implemented in 2014 (survey wave 2014/2015). For the variable 2014 is listed as starting point. For the same survey wave a new variable is going to be implemented for the survey on car mileage and fuel consumption. This new variable is also going to have 2014 as starting point although the survey on car mileage and fuel consumption took place in 2015.</i></p>
6	Current answercode and answertext
7	History of answercode and answertext

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<sup>3</sup> The history of the questions refers to a questionnaire in German language. Accordingly, it can be possible that no change is noted in the English translation although there is a change in the German questionnaire.



#### 4 Household relocations

The following table lists the IDs of all households that have relocated between two waves of surveys. This table also includes households that did not participate in the MOP after the relocation.

From survey wave	To survey wave	ID of households that have relocated between two survey waves
1999	2000	7046
1999	2000	7077
1999	2000	7203
1999	2000	7221
1999	2000	7390
1999	2000	7652
1999	2000	7662
1999	2000	110125
1999	2000	110277
1999	2000	110388
1999	2000	110536
1999	2000	110657
1999	2000	110770
1999	2000	110771
1999	2000	110845
1999	2000	110898
1999	2000	111046
1999	2000	111102
1999	2000	510014
1999	2000	510018
1999	2000	510081
1999	2000	510162
1999	2000	510179
1999	2000	510197
1999	2000	510208
1999	2000	510223
1999	2000	510275
1999	2000	510307
1999	2000	510340
1999	2000	510569
2000	2001	110371
2000	2001	110443
2000	2001	110498
2000	2001	110518
2000	2001	110537
2000	2001	110553
2000	2001	110638
2000	2001	110894
2000	2001	111012

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2000	2001	530079
2000	2001	530118
2000	2001	530185
2000	2001	530211
2000	2001	550566
2000	2001	550785
2001	2002	130252
2001	2002	152439
2001	2002	152750
2001	2002	550490
2001	2002	570207
2001	2002	150084
2001	2002	150691
2001	2002	151411
2001	2002	151474
2001	2002	152439
2001	2002	153274
2001	2002	153316
2001	2002	153526
2001	2002	530056
2001	2002	530096
2001	2002	530118
2001	2002	550068
2001	2002	550298
2002	2003	150379
2002	2003	150691
2002	2003	150814
2002	2003	152636
2002	2003	152750
2002	2003	152986
2002	2003	153526
2002	2003	153645
2002	2003	153696
2002	2003	153792
2002	2003	153883
2002	2003	153887
2002	2003	153953
2002	2003	170525
2002	2003	170616
2002	2003	171665
2002	2003	550135
2003	2004	190204
2003	2004	190351
2003	2004	190413
2003	2004	190476
2003	2004	190569

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2003	2004	190824
2003	2004	190835
2003	2004	190917
2003	2004	590121
2003	2004	590128
2003	2004	590187
2003	2004	590332
2003	2004	590368
2003	2004	590385
2003	2004	590456
2003	2004	590497
2003	2004	590503
2003	2004	590540
2003	2004	590555
2003	2004	590557
2003	2004	170525
2003	2004	170616
2003	2004	171665
2004	2005	190072
2004	2005	190550
2004	2005	190654
2004	2005	190720
2004	2005	190824
2004	2005	190863
2004	2005	210088
2004	2005	210608
2004	2005	590018
2004	2005	590121
2004	2005	590128
2004	2005	590260
2004	2005	590327
2004	2005	590385
2004	2005	590497
2004	2005	610104
2005	2006	210067
2005	2006	210203
2005	2006	210239
2005	2006	210379
2005	2006	210496
2005	2006	230178
2005	2006	610029
2005	2006	610074
2005	2006	610141
2005	2006	610162
2006	2007	230383
2006	2007	230540

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2006	2007	230778
2006	2007	250315
2006	2007	250436
2006	2007	250467
2006	2007	250471
2006	2007	250808
2006	2007	250827
2006	2007	630155
2006	2007	650001
2006	2007	650006
2007	2008	250033
2007	2008	250211
2007	2008	250258
2007	2008	250374
2007	2008	250393
2007	2008	250442
2007	2008	250462
2007	2008	250503
2007	2008	250526
2007	2008	250598
2007	2008	250623
2007	2008	250647
2007	2008	250650
2007	2008	250693
2007	2008	250694
2007	2008	250698
2007	2008	250705
2007	2008	250708
2007	2008	250713
2007	2008	250802
2007	2008	250808
2007	2008	270006
2007	2008	270050
2007	2008	270072
2007	2008	270125
2007	2008	270156
2007	2008	270265
2007	2008	270378
2007	2008	270729
2007	2008	270752
2007	2008	270763
2007	2008	270806
2007	2008	290139
2007	2008	290528
2007	2008	290738
2007	2008	290878

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2007	2008	650030
2007	2008	650107
2007	2008	650172
2007	2008	670096
2007	2008	670135
2007	2008	690144
2008	2009	270043
2008	2009	270140
2008	2009	270236
2008	2009	270430
2008	2009	270553
2008	2009	270618
2008	2009	270655
2008	2009	270722
2008	2009	290098
2008	2009	290359
2008	2009	290435
2008	2009	290797
2008	2009	290841
2008	2009	310027
2008	2009	310205
2008	2009	310417
2008	2009	310647
2008	2009	670035
2008	2009	670113
2008	2009	670136
2008	2009	670194
2008	2009	690006
2008	2009	690065
2008	2009	690095
2008	2009	710045
2008	2009	710109
2009	2010	290658
2009	2010	290605
2009	2010	290028
2009	2010	290228
2009	2010	290336
2009	2010	290175
2009	2010	710138
2009	2010	290350
2009	2010	290716
2009	2010	290719
2009	2010	290734
2009	2010	290792
2009	2010	310047
2009	2010	310188

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2009	2010	310319
2009	2010	310382
2009	2010	310428
2009	2010	310629
2009	2010	310703
2009	2010	690014
2009	2010	690196
2009	2010	710107
2009	2010	710155
2010	2011	310033
2010	2011	310151
2010	2011	310329
2010	2011	330071
2010	2011	330155
2010	2011	330235
2010	2011	330337
2010	2011	330507
2010	2011	330592
2010	2011	330786
2010	2011	730179
2011	2012	330071
2011	2012	330507
2011	2012	330592
2011	2012	330040
2011	2012	330560
2011	2012	330037
2011	2012	350245
2011	2012	370251
2011	2012	350198
2011	2012	750028
2011	2012	330553
2011	2012	750050
2011	2012	350460
2011	2012	330449
2012	2013	770002
2012	2013	370024
2012	2013	370216
2012	2013	370757
2012	2013	370572
2012	2013	370121
2012	2013	350232
2012	2013	350488
2012	2013	750049
2012	2013	350368
2012	2013	350015
2012	2013	350443

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2012	2013	370504
2012	2013	750001
2012	2013	370043
2012	2013	370316
2013	2014	370043
2013	2014	370065
2013	2014	370067
2013	2014	370292
2013	2014	370557
2013	2014	370757
2013	2014	3900000368
2013	2014	3900000413
2013	2014	3900000811
2013	2014	3900000875
2013	2014	3900002435
2013	2014	3900002608
2013	2014	3910000009
2013	2014	3910000149
2013	2014	3910000236
2013	2014	3910001254
2013	2014	3910001315
2013	2014	3910001461
2013	2014	3910002985
2013	2014	7900000504
2013	2014	7900000582
2013	2014	7910000046
2013	2014	7910001387
2014	2015	3900000380
2014	2015	3900000702
2014	2015	3900001131
2014	2015	3900002451
2014	2015	3900002558
2014	2015	3900002579
2014	2015	3900002595
2014	2015	3910000050
2014	2015	3910000125
2014	2015	3910000228
2014	2015	3910001213
2014	2015	3910001254
2014	2015	3910001357
2014	2015	3910001394
2014	2015	3910001403
2014	2015	3910002944
2014	2015	4101001558
2014	2015	4101001902
2014	2015	4101002059

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2014	2015	4101002233
2014	2015	4101002921
2014	2015	4101003338
2014	2015	4101003743
2014	2015	4101003832
2014	2015	4111000263
2014	2015	4111000275
2014	2015	4111000551
2014	2015	4111004351
2014	2015	4118000195
2014	2015	4118000210
2014	2015	4118000280
2014	2015	4118000363
2014	2015	4118000438
2014	2015	4118000619
2014	2015	4118000851
2014	2015	4301015777
2014	2015	4311011209
2014	2015	7900001141
2014	2015	7910001190
2014	2015	7910001326
2014	2015	7910001387
2014	2015	8118000391
2014	2015	8118000678
2014	2015	8118000769
2014	2015	8301011886
2014	2015	8311011400
2015	2016	4101000506
2015	2016	4101000506
2015	2016	4101000870
2015	2016	4101001037
2015	2016	4101002890
2015	2016	4101003688
2015	2016	4101004229
2015	2016	4111000049
2015	2016	4111000203
2015	2016	4111000324
2015	2016	4111000501
2015	2016	4111003589
2015	2016	4118000291
2015	2016	4118000346
2015	2016	4118000963
2015	2016	4301011713
2015	2016	4301011824
2015	2016	4301011877
2015	2016	4301012701



From survey wave	To survey wave	ID of households that have relocated between two survey waves
2015	2016	4301012921
2015	2016	4301012921
2015	2016	4301015776
2015	2016	4311010037
2015	2016	4311010054
2015	2016	4311010054
2015	2016	4311010291
2015	2016	4311010777
2015	2016	4311010845
2015	2016	4311011217
2015	2016	4311011375
2015	2016	4311011451
2015	2016	4311011519
2015	2016	4311012485
2015	2016	4311013768
2015	2016	4501023754
2015	2016	4511020899
2015	2016	4511021435
2015	2016	8101002389
2015	2016	8101002535
2015	2016	8101002584
2015	2016	8101003417
2015	2016	8111000543
2015	2016	8111000693
2015	2016	8118000329
2015	2016	8118000568
2015	2016	8301012843
2015	2016	8311010289
2015	2016	8311010474
2015	2016	8501023241
2015	2016	8511020672
2015	2016	8511020921
2016	2017	4101004234
2016	2017	4111000638
2016	2017	4111003100
2016	2017	4301011622
2016	2017	4301012007
2016	2017	4301012166
2016	2017	4301012968
2016	2017	4301013069
2016	2017	4301013172
2016	2017	4301014652
2016	2017	4301015777
2016	2017	4311010073
2016	2017	4311010141
2016	2017	4311010458

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2016	2017	4311012476
2016	2017	4311015884
2016	2017	4501022551
2016	2017	4501022638
2016	2017	4501023718
2016	2017	4501024138
2016	2017	4501024777
2016	2017	4501026296
2016	2017	4511020201
2016	2017	4511020525
2016	2017	4511021468
2016	2017	4511021886
2016	2017	4711030429
2016	2017	4711032191
2016	2017	8101003434
2016	2017	8301011936
2016	2017	8301015713
2016	2017	8501024289
2016	2017	8511021282
2016	2017	8701033688
2016	2017	8711031602
2017	2018	4501022224
2017	2018	4501023081
2017	2018	4501023114
2017	2018	4501023148
2017	2018	4501023782
2017	2018	4501023962
2017	2018	4501025014
2017	2018	4501025143
2017	2018	4501025288
2017	2018	4511020453
2017	2018	4511020760
2017	2018	4511020887
2017	2018	4511021510
2017	2018	4511021529
2017	2018	4511021651
2017	2018	4701032694
2017	2018	4701032696
2017	2018	4701033100
2017	2018	4701033807
2017	2018	4701033995
2017	2018	4701035119
2017	2018	4701035440
2017	2018	4701035688
2017	2018	4701035816
2017	2018	4701035981

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2017	2018	4711030062
2017	2018	4711030127
2017	2018	4711030178
2017	2018	4711030380
2017	2018	4711030422
2017	2018	4711030501
2017	2018	4711030900
2017	2018	4711030920
2017	2018	4711031296
2017	2018	4711031473
2017	2018	4711031558
2017	2018	4711032100
2017	2018	4911040575
2017	2018	4911042056
2017	2018	8511021447
2017	2018	8701032458
2017	2018	8701034235
2017	2018	8701035896
2017	2018	8711030966
2018	2019	4501023502
2018	2019	4511020838
2018	2019	4701032938
2018	2019	4701033291
2018	2019	4701034035
2018	2019	4701034121
2018	2019	4701034388
2018	2019	4701034745
2018	2019	4701035621
2018	2019	4711030077
2018	2019	4711030807
2018	2019	4711031204
2018	2019	4711031220
2018	2019	4711032035
2018	2019	4711036138
2018	2019	4901042650
2018	2019	4901042869
2018	2019	4901043385
2018	2019	4901045145
2018	2019	4901045262
2018	2019	4911040126
2018	2019	4911040300
2018	2019	4911040516
2018	2019	4911040659
2018	2019	4911040745
2018	2019	4911041174
2018	2019	4911041230

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2018	2019	4911041474
2018	2019	4911041630
2018	2019	4911041659
2018	2019	4911042106
2018	2019	4911042134
2018	2019	4911042315
2018	2019	4911046209
2018	2019	8711031549
2018	2019	8901043074
2018	2019	8911042421
2019	2020	4501023502
2019	2020	4511020838
2019	2020	4701032938
2019	2020	4701033291
2019	2020	4701034035
2019	2020	4701034121
2019	2020	4701034121
2019	2020	4701034388
2019	2020	4701034745
2019	2020	4701035621
2019	2020	4711030077
2019	2020	4711030807
2019	2020	4711031204
2019	2020	4711031220
2019	2020	4711032035
2019	2020	4711036138
2019	2020	4901042650
2019	2020	4901042869
2019	2020	4901043385
2019	2020	4901045145
2019	2020	4901045262
2019	2020	4911040126
2019	2020	4911040300
2019	2020	4911040516
2019	2020	4911040659
2019	2020	4911040745
2019	2020	4911041174
2019	2020	4911041230
2019	2020	4911041474
2019	2020	4911041630
2019	2020	4911041659
2019	2020	4911042106
2019	2020	4911042134
2019	2020	4911042315
2019	2020	4911046209
2019	2020	8711031549

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2019	2020	8901043074
2019	2020	8911042421
2020	2021	4701035822
2020	2021	4711031609
2020	2021	4711032100
2020	2021	4901042554
2020	2021	4901042988
2020	2021	4901042991
2020	2021	4901044233
2020	2021	4901046070
2020	2021	4911040452
2020	2021	4911040612
2020	2021	4911040772
2020	2021	4911040973
2020	2021	4911041630
2020	2021	4911041670
2020	2021	4911041941
2020	2021	4911042034
2020	2021	4911042139
2020	2021	4911042222
2020	2021	4911045069
2020	2021	5101052903
2020	2021	5101052971
2020	2021	5101053118
2020	2021	5101055040
2020	2021	5101056079
2020	2021	5101056217
2020	2021	5101056217
2020	2021	5101056377
2020	2021	5111050172
2020	2021	5111050729
2020	2021	5111050815
2020	2021	5111051243
2020	2021	5111051784
2020	2021	8901042738
2020	2021	8901043454
2020	2021	8901043754
2020	2021	9111050972
2020	2021	9111052034
2020	2021	9301063524
2021	2022	4901045249
2021	2022	5101052597
2021	2022	5101052630
2021	2022	5101053063
2021	2022	5101053102
2021	2022	5101053383

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2021	2022	5101055219
2021	2022	5101056008
2021	2022	5101056343
2021	2022	5101056377
2021	2022	5111050093
2021	2022	5111050517
2021	2022	5111050542
2021	2022	5111052394
2021	2022	5301063299
2021	2022	5301063556
2021	2022	5301063718
2021	2022	5301063929
2021	2022	5301064581
2021	2022	5301064824
2021	2022	5301065031
2021	2022	5311061522
2021	2022	5311061525
2021	2022	5311061776
2021	2022	5311061784
2021	2022	5311062642
2021	2022	8911040786
2021	2022	9111050508
2021	2022	9111050972
2021	2022	9111051771
2021	2022	9301063499
2021	2022	9301064197
2021	2022	9301064848
2021	2022	9301066090
2022	2023	5101053169
2022	2023	5111051016
2022	2023	5111051100
2022	2023	5301062690
2022	2023	5301062728
2022	2023	5301062885
2022	2023	5301062885
2022	2023	5301063502
2022	2023	5301063800
2022	2023	5301064320
2022	2023	5311060382
2022	2023	5311060476
2022	2023	5311060849
2022	2023	5311061477
2022	2023	5311061658
2022	2023	5311061868
2022	2023	5311062529
2022	2023	5501074968

From survey wave	To survey wave	ID of households that have relocated between two survey waves
2022	2023	5511071824
2022	2023	5511071894
2022	2023	5511072912
2022	2023	5511072918
2022	2023	5511073129
2022	2023	5511073510
2022	2023	9111051502
2022	2023	9311060735
2022	2023	9311060918
2022	2023	9311060953
2022	2023	9311061656
2022	2023	9311061656
2022	2023	9501075487