

# **HDS 2012**

## **Intermediate Data Codebook**

Prepared by the Urban Institute

November 2013

HDS 2012 Codebook  
Data File: Appointment\_intermediate

| Variable Name | Format | Length | Variable Label  | Type      | Allowable Values   |
|---------------|--------|--------|---|-----------|--|
| appt_both     | 8      | option | Both Testers Able to Get Appointment (or Walk-In)             | Numeric   | 0 =No 1 =Yes   |
| appt_min      | 8      | option | Only the Minority Tester Able to Get Appointment (or Walk-In) | Numeric   | 0 =No 1 =Yes   |
| appt_neither  | 8      | option | Neither Tester Able to Get Appointment (or Walk-In)           | Numeric   | 0 =No 1 =Yes   |
| appt_wht      | 8      | option | Only the White Tester Able to Get Appointment (or Walk-In)    | Numeric   | 0 =No 1 =Yes   |
| CONTROL       | 12     | text   | Control Number  | Character |  |
| racetype      | 3      | option | Race of Minority Tester                                       | Character | asn =Asian blk =Black hsp =Hispanic  |
| site          | 12     | option | Metro Area  | Character | AT=Atlanta, GA AQ=Albuquerque, NM BT=Baltimore, MD BN=Boston, MA CH=Chicago-Gary-Lake IL CL=Cleveland, OH CO=Columbia, SC DC=Washington, DC/MD/VA DL=Dallas DT=Detroit, MI FW=Fort Worth-Arlington, TX GB=Greensboro-Winston Salem-High Point, NC HS=Houston-Brazoria, TX KC=Kansas City, MO-KS LA=Los Angeles-Long Beach, CA MI=Miami-Hialeah, FL MS=Middlesex-Somerset-Hunterdon, NJ NO=Newark, NJ - NJCA NT=Newark, NJ - FHCNNJ NY=New York OC=Orange County, CA PD=Philadelphia, PA/NJ RM=Richmond-Petersburg, VA RS=Riverside-San Bernardino, CA SA=San Antonio, TX SD=San Diego, CA SJ=San Jose, CA ST=Seattle-Everett, WA TP=Tampa-St. Petersburg-Clearwater, FL UI=UI Internal XX=UI Internal Test Site ZZ=UI Training Test Site |
| TRANTYPE      | 1      | option | Test Type   | Character | R =Rental S= Sales   |

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| Variable Name          | Format | Length | Variable Label   | Type      | Allowable Values |
|------------------------|--------|--------|--|-----------|------------------|
| advdepst_inc_min       | 8      | option | Deposit for Advertised Unit Higher for Minority Tester     | Numeric   | 0 =No 1 =Yes     |
| advdepst_inc_same      | 8      | option | Deposit for Advertised Unit Same for Both Testers          | Numeric   | 0 =No 1 =Yes     |
| advdepst_inc_wht       | 8      | option | Deposit for Advertised Unit Higher for White Tester        | Numeric   | 0 =No 1 =Yes     |
| advrent_inc_min        | 8      | option | Rent for Advertised Unit Higher for Minority Tester        | Numeric   | 0 =No 1 =Yes     |
| advrent_inc_same       | 8      | option | Rent for Advertised Unit Same for Both Testers             | Numeric   | 0 =No 1 =Yes     |
| advrent_inc_wht        | 8      | option | Rent for Advertised Unit Higher for White Tester           | Numeric   | 0 =No 1 =Yes     |
| advsurety_inc_min      | 8      | option | Surety Bond for Advertised Unit Higher for Minority Tester | Numeric   | 0 =No 1 =Yes     |
| advsurety_inc_same     | 8      | option | Surety Bond for Advertised Unit Same for Both Testers      | Numeric   | 0 =No 1 =Yes     |
| advsurety_inc_wht      | 8      | option | Surety Bond for Advertised Unit Higher for White Tester    | Numeric   | 0 =No 1 =Yes     |
| advtotfee_inc_min      | 8      | option | Fees for Advertised Unit Higher for Minority Tester        | Numeric   | 0 =No 1 =Yes     |
| advtotfee_inc_same     | 8      | option | Fees for Advertised Unit Same for Both Testers             | Numeric   | 0 =No 1 =Yes     |
| advtotfee_inc_wht      | 8      | option | Fees for Advertised Unit Higher for White Tester           | Numeric   | 0 =No 1 =Yes     |
| anydepst_inc_min       | 8      | option | Deposit for Any Unit Higher for Minority Tester            | Numeric   | 0 =No 1 =Yes     |
| anydepst_inc_same      | 8      | option | Deposit for Any Unit Same for Both Testers                 | Numeric   | 0 =No 1 =Yes     |
| anydepst_inc_wht       | 8      | option | Deposit for Any Unit Higher for White Tester               | Numeric   | 0 =No 1 =Yes     |
| ansurety_inc_min       | 8      | option | Surety Bond for Any Unit Higher for Minority Tester        | Numeric   | 0 =No 1 =Yes     |
| ansurety_inc_same      | 8      | option | Surety Bond for Any Unit Same for Both Testers             | Numeric   | 0 =No 1 =Yes     |
| ansurety_inc_wht       | 8      | option | Surety Bond for Any Unit Higher for White Tester           | Numeric   | 0 =No 1 =Yes     |
| CONTROL                | 12     | text   | Control Number   | Character |                  |
| helpfulness_index      | 8      | text   | Helpfulness index score                                    | Numeric   |                  |
| listitems_num_inc_min  | 8      | option | Agent Listed More Items for Minority Tester                | Numeric   | 0 =No 1 =Yes     |
| listitems_num_inc_same | 8      | option | Agent Listed Same Items for Both Testers                   | Numeric   | 0 =No 1 =Yes     |
| listitems_num_inc_wht  | 8      | option | Agent Listed More Items for White Tester                   | Numeric   | 0 =No 1 =Yes     |
| min_adv_avail          | 8      | option | Advertised Unit is Available, Minority Tester              | Numeric   | 0 =No 1 =Yes     |
| min_advdepst           | 8      | text   | Deposit Required for Advertised Unit, Minority Tester      | Numeric   |                  |
| min_advfeeneg          | 8      | option | Fees Negotiable for Advertised Unit, Minority Tester       | Numeric   | 0 =No 1 =Yes     |
| min_advfeeyn           | 8      | option | Fees Required for Advertised Unit, Minority Tester         | Numeric   | 0 =No 1 =Yes     |
| min_advrent            | 8      | text   | Rent for Advertised Unit, Minority Tester                  | Numeric   |                  |
| min_advsurety          | 8      | text   | Surety Bond for Advertised Unit, Minority Tester           | Numeric   |                  |
| min_advtotfee          | 8      | text   | Total Fees for Advertised Unit, Minority Tester            | Numeric   |                  |
| min_agtcredit          | 8      | option | Agent Asked About Credit, Minority Tester                  | Numeric   | 0 =No 1 =Yes     |
| min_agthist            | 8      | option | Agent Asked About Rental History, Minority Tester          | Numeric   | 0 =No 1 =Yes     |
| min_any_avail          | 8      | option | Any Unit is Available, Minority Tester                     | Numeric   | 0 =No 1 =Yes     |

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| Variable Name     | Format | Length | Variable Label   | Type    | Allowable Values |
|-------------------|--------|--------|--|---------|------------------|
| min_anydepst      | 8      | text   | Deposit Required for Any Unit, Minority Tester                         | Numeric |                  |
| min_anysurety     | 8      | text   | Surety Bond Required for Any Unit, Minority Tester                     | Numeric |                  |
| min_followups     | 8      | option | Agent Made Follow-Up Contact, Minority Tester                          | Numeric | 0 =No 1 =Yes     |
| min_futcont       | 8      | option | Arrangement for Future Contact Made, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| min_helped1       | 8      | option | Helpfulness index component #1, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_helped2       | 8      | option | Helpfulness index component #2, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_helped3       | 8      | option | Helpfulness index component #3, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_helped4       | 8      | option | Helpfulness index component #4, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_helpfulness   | 8      | text   | Helpfulness index score, Minority Tester                               | Numeric |                  |
| min_inspected     | 8      | option | Inspected a Unit, Minority Tester                                      | Numeric | 0 =No 1 =Yes     |
| min_listitem      | 8      | option | An Item Was Listed, Minority Tester                                    | Numeric | 0 =No 1 =Yes     |
| min_listitems_num | 8      | text   | Number of Items Listed, Minority Tester                                | Numeric |                  |
| min_negremark     | 8      | option | Agent Made a Negative Remark, Minority Tester                          | Numeric | 0 =No 1 =Yes     |
| min_net_cost      | 8      | text   | Net Housing Costs, Minority Tester                                     | Numeric |                  |
| min_noproblem     | 8      | option | Saw a Unit w/ No Problems, Minority Tester                             | Numeric | 0 =No 1 =Yes     |
| min_numnegatives  | 8      | text   | Number of Negative Remarks, Minority Tester                            | Numeric |                  |
| min_numpositives  | 8      | text   | Number of Positive Remarks, Minority Tester                            | Numeric |                  |
| min_numproblems   | 8      | text   | Number of Problem Conditions, Minority Tester                          | Numeric |                  |
| min_oth_avail     | 8      | option | Other Unit is Available, Minority Tester                               | Numeric | 0 =No 1 =Yes     |
| min_othdepst      | 8      | text   | Deposit Required for Other Unit, Minority Tester                       | Numeric |                  |
| min_othfeeneg     | 8      | option | Fees Negotiable for Other Unit, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_othfeeyn      | 8      | option | Fees Required for Other Unit, Minority Tester                          | Numeric | 0 =No 1 =Yes     |
| min_othrent       | 8      | text   | Rent for Other Unit, Minority Tester                                   | Numeric |                  |
| min_othsurety     | 8      | text   | Surety Bond for Other Unit, Minority Tester                            | Numeric |                  |
| min_othtotfee     | 8      | text   | Total Fees for Other Unit, Minority Tester                             | Numeric |                  |
| min_posremark     | 8      | option | Agent Made a Positive Remark, Minority Tester                          | Numeric | 0 =No 1 =Yes     |
| min_radaval       | 8      | text   | Number of Advertised Units Available, Minority Tester                  | Numeric |                  |
| min_ragfhlaw      | 8      | option | Agent Mentioned Fair Housing Law, Minority Tester                      | Numeric | 0 =No 1 =Yes     |
| min_rappnec       | 8      | option | Agent Said Application Required, Minority Tester                       | Numeric | 0 =No 1 =Yes     |
| min_rchoice       | 8      | option | Agent Gave Choice Between Sec Deposit and Surety Bond, Minority Tester | Numeric | 0 =No 1 =Yes     |
| min_rcredchk      | 8      | option | Agent Said Credit Check Required, Minority Tester                      | Numeric | 0 =No 1 =Yes     |
| min_rcrimchk      | 8      | option | Agent Said Criminal Check Required, Minority Tester                    | Numeric | 0 =No 1 =Yes     |

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| Variable Name         | Format | Length | Variable Label  | Type    | Allowable Values |
|-----------------------|--------|--------|---|---------|------------------|
| min_rdepositneg       | 8      | option | Security Deposit or Surety Bond Negotiable, Minority Tester | Numeric | 0 =No 1 =Yes     |
| min_rfeeyn            | 8      | option | Fees Required for Any Unit, Minority Tester                 | Numeric | 0 =No 1 =Yes     |
| min_rinspun           | 8      | text   | Number of Advertised Units Inspected, Minority Tester       | Numeric |                  |
| min_rinvtapp          | 8      | option | Given an Application to Complete, Minority Tester           | Numeric | 0 =No 1 =Yes     |
| min_rminbed           | 8      | text   | Number of Other Units Inspected, Minority Tester            | Numeric |                  |
| min_rorace            | 8      | option | Agent Made Comments About Race, Minority Tester             | Numeric | 0 =No 1 =Yes     |
| min_rpmnt             | 8      | option | Payments Required at Move In, Minority Tester               | Numeric | 0 =No 1 =Yes     |
| min_rpmntng           | 8      | option | Payments at Move In Negotiable, Minority Tester             | Numeric | 0 =No 1 =Yes     |
| min_rpmntto           | 8      | text   | Total Payments at Move In, Minority Tester                  | Numeric |                  |
| min_rudepst           | 8      | option | Security Deposit Required, Minority Tester                  | Numeric | 0 =No 1 =Yes     |
| min_rufeeneg          | 8      | option | Fees Negotiable for Any Unit, Minority Tester               | Numeric | 0 =No 1 =Yes     |
| min_rul2y             | 8      | option | 2 Year Lease Available, Minority Tester                     | Numeric | 0 =No 1 =Yes     |
| min_rulmm             | 8      | option | Month to Month Lease Available, Minority Tester             | Numeric | 0 =No 1 =Yes     |
| min_runegot           | 8      | option | Rent is Negotiable, Minority Tester                         | Numeric | 0 =No 1 =Yes     |
| min_rurent            | 8      | text   | Rent for Any Unit, Minority Tester                          | Numeric |                  |
| min_ruspcl            | 8      | option | Incentives Available, Minority Tester                       | Numeric | 0 =No 1 =Yes     |
| min_rusptot           | 8      | text   | Total Value of Incentives, Minority Tester                  | Numeric |                  |
| min_rutotfee          | 8      | text   | Total Fees for Any Unit, Minority Tester                    | Numeric |                  |
| min_rwaitl            | 8      | option | Placed on Waiting List, Minority Tester                     | Numeric | 0 =No 1 =Yes     |
| min_totaval           | 8      | text   | Total Units Available, Minority Tester                      | Numeric |                  |
| net_cost_inc_min      | 8      | option | Higher Net Housing Costs, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| net_cost_inc_same     | 8      | option | Same Net Housing Costs, Both Testers                        | Numeric | 0 =No 1 =Yes     |
| net_cost_inc_wht      | 8      | option | Higher Net Housing Costs, White Tester                      | Numeric | 0 =No 1 =Yes     |
| numnegatives_inc_min  | 8      | option | Agent Made More Negative Remarks to Minority Tester         | Numeric | 0 =No 1 =Yes     |
| numnegatives_inc_same | 8      | option | Agent Made Same Negative Remarks to Both Testers            | Numeric | 0 =No 1 =Yes     |
| numnegatives_inc_wht  | 8      | option | Agent Made More Negative Remarks to White Tester            | Numeric | 0 =No 1 =Yes     |
| numpositives_inc_min  | 8      | option | Agent Made More Positive Remarks to Minority Tester         | Numeric | 0 =No 1 =Yes     |
| numpositives_inc_same | 8      | option | Agent Made Same Positive Remarks to Both Testers            | Numeric | 0 =No 1 =Yes     |
| numpositives_inc_wht  | 8      | option | Agent Made More Positive Remarks to White Tester            | Numeric | 0 =No 1 =Yes     |
| numproblems_inc_min   | 8      | option | More Problem Conditions For Minority Tester                 | Numeric | 0 =No 1 =Yes     |
| numproblems_inc_same  | 8      | option | Same Problem Conditions For Both Testers                    | Numeric | 0 =No 1 =Yes     |
| numproblems_inc_wht   | 8      | option | More Problem Conditions For White Tester                    | Numeric | 0 =No 1 =Yes     |
| othdepst_inc_min      | 8      | option | Deposit for Other Unit Higher for Minority Tester           | Numeric | 0 =No 1 =Yes     |

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| Variable Name      | Format | Length | Variable Label  | Type      | Allowable Values                    |
|--------------------|--------|--------|---|-----------|-------------------------------------|
| othdepst_inc_same  | 8      | option | Deposit for Other Unit Same for Both Testers          | Numeric   | 0 =No 1 =Yes                        |
| othdepst_inc_wht   | 8      | option | Deposit for Other Unit Higher for White Tester        | Numeric   | 0 =No 1 =Yes                        |
| othrent_inc_min    | 8      | option | Rent for Other Unit Higher for Minority Tester        | Numeric   | 0 =No 1 =Yes                        |
| othrent_inc_same   | 8      | option | Rent for Other Unit Same for Both Testers             | Numeric   | 0 =No 1 =Yes                        |
| othrent_inc_wht    | 8      | option | Rent for Other Unit Higher for White Tester           | Numeric   | 0 =No 1 =Yes                        |
| othsurety_inc_min  | 8      | option | Surety Bond for Other Unit Higher for Minority Tester | Numeric   | 0 =No 1 =Yes                        |
| othsurety_inc_same | 8      | option | Surety Bond for Other Unit Same for Both Testers      | Numeric   | 0 =No 1 =Yes                        |
| othsurety_inc_wht  | 8      | option | Surety Bond for Other Unit Higher for White Tester    | Numeric   | 0 =No 1 =Yes                        |
| othtotfee_inc_min  | 8      | option | Fees for Other Unit Higher for Minority Tester        | Numeric   | 0 =No 1 =Yes                        |
| othtotfee_inc_same | 8      | option | Fees for Other Unit Same for Both Testers             | Numeric   | 0 =No 1 =Yes                        |
| othtotfee_inc_wht  | 8      | option | Fees for Other Unit Higher for White Tester           | Numeric   | 0 =No 1 =Yes                        |
| racetype           | 3      | text   | Race of Minority Tester                               | Character | asn =Asian blk =Black hsp =Hispanic |
| radaval_inc_min    | 8      | option | More Advertised Units Available for Minority Tester   | Numeric   | 0 =No 1 =Yes                        |
| radaval_inc_same   | 8      | option | Same Advertised Units Available for Both Testers      | Numeric   | 0 =No 1 =Yes                        |
| radaval_inc_wht    | 8      | option | More Advertised Units Available for White Tester      | Numeric   | 0 =No 1 =Yes                        |
| rinspun_inc_min    | 8      | option | Inspected More Advertised Units, Minority Tester      | Numeric   | 0 =No 1 =Yes                        |
| rinspun_inc_same   | 8      | option | Inspected Same Advertised Units, Both Testers         | Numeric   | 0 =No 1 =Yes                        |
| rinspun_inc_wht    | 8      | option | Inspected More Advertised Units, White Tester         | Numeric   | 0 =No 1 =Yes                        |
| rminbed_inc_min    | 8      | option | Inspected More Other Units, Minority Tester           | Numeric   | 0 =No 1 =Yes                        |
| rminbed_inc_same   | 8      | option | Inspected Same Other Units, Both Testers              | Numeric   | 0 =No 1 =Yes                        |
| rminbed_inc_wht    | 8      | option | Inspected More Other Units, White Tester              | Numeric   | 0 =No 1 =Yes                        |
| rpmntto_inc_min    | 8      | option | Higher Move In Payments, Minority Tester              | Numeric   | 0 =No 1 =Yes                        |
| rpmntto_inc_same   | 8      | option | Same Move In Payments, Both Tester                    | Numeric   | 0 =No 1 =Yes                        |
| rpmntto_inc_wht    | 8      | option | Higher Move In Payments, White Tester                 | Numeric   | 0 =No 1 =Yes                        |
| rurent_inc_min     | 8      | option | Rent for Any Unit Higher for Minority Tester          | Numeric   | 0 =No 1 =Yes                        |
| rurent_inc_same    | 8      | option | Rent for Any Unit Same for Both Testers               | Numeric   | 0 =No 1 =Yes                        |
| rurent_inc_wht     | 8      | option | Rent for Any Unit Higher for White Tester             | Numeric   | 0 =No 1 =Yes                        |
| rusptot_inc_min    | 8      | option | Better Incentives for Minority Tester                 | Numeric   | 0 =No 1 =Yes                        |
| rusptot_inc_same   | 8      | option | Same Incentives for Both Testers                      | Numeric   | 0 =No 1 =Yes                        |
| rusptot_inc_wht    | 8      | option | Better Incentives for White Tester                    | Numeric   | 0 =No 1 =Yes                        |
| rutotfee_inc_min   | 8      | option | Fees for Any Unit Higher for Minority Tester          | Numeric   | 0 =No 1 =Yes                        |
| rutotfee_inc_same  | 8      | option | Fees for Any Unit Same for Both Testers               | Numeric   | 0 =No 1 =Yes                        |
| rutotfee_inc_wht   | 8      | option | Fees for Any Unit Higher for White Tester             | Numeric   | 0 =No 1 =Yes                        |

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| Variable Name    | Format | Length | Variable Label                                     | Type      | Allowable Values   |
|------------------|--------|--------|--|-----------|--|
| site             | 12     | text   | Metro Area   | Character | AT=Atlanta, GA AQ=Albuquerque, NM BT=Baltimore, MD BN=Boston, MA CH=Chicago-Gary-Lake IL CL=Cleveland, OH CO=Columbia, SC DC=Washington, DC/MD/VA DL=Dallas DT=Detroit, MI FW=Fort Worth-Arlington, TX GB=Greensboro-Winston Salem-High Point, NC HS=Houston-Brazoria, TX KC=Kansas City, MO-KS LA=Los Angeles-Long Beach, CA MI=Miami-Hialeah, FL MS=Middlesex-Somerset-Hunterdon, NJ NO=Newark, NJ - NJCA NT=Newark, NJ - FHCNNJ NY=New York OC=Orange County, CA PD=Philadelphia, PA/NJ RM=Richmond-Petersburg, VA RS=Riverside-San Bernardino, CA SA=San Antonio, TX SD=San Diego, CA SJ=San Jose, CA ST=Seattle-Everett, WA TP=Tampa-St. Petersburg-Clearwater, FL UI=UI Internal XX=UI Internal Test Site ZZ=UI Training Test Site |
| totaval_inc_min  | 8      | option | More Units Available to Minority Tester            | Numeric   | 0 =No 1 =Yes   |
| totaval_inc_same | 8      | option | Same Number Units Available to Both Testers        | Numeric   | 0 =No 1 =Yes   |
| totaval_inc_wht  | 8      | option | More Units Available to White Tester               | Numeric   | 0 =No 1 =Yes   |
| wht_adv_avail    | 8      | option | Advertised Unit is Available, White Tester         | Numeric   | 0 =No 1 =Yes   |
| wht_advdepst     | 8      | text   | Deposit Required for Advertised Unit, White Tester | Numeric   |  |
| wht_advfeeneg    | 8      | option | Fees Negotiable for Advertised Unit, White Tester  | Numeric   | 0 =No 1 =Yes   |
| wht_advfeeyn     | 8      | option | Fees Required for Advertised Unit, White Tester    | Numeric   | 0 =No 1 =Yes   |
| wht_advrent      | 8      | text   | Rent for Advertised Unit, White Tester             | Numeric   |  |
| wht_advsurety    | 8      | text   | Surety Bond for Advertised Unit, White Tester      | Numeric   |  |
| wht_advtotfee    | 8      | text   | Total Fees for Advertised Unit, White Tester       | Numeric   |  |
| wht_agtcredit    | 8      | option | Agent Asked About Credit, White Tester             | Numeric   | 0 =No 1 =Yes   |
| wht_agthist      | 8      | option | Agent Asked About Rental History, White Tester     | Numeric   | 0 =No 1 =Yes   |
| wht_any_avail    | 8      | option | Any Unit is Available, White Tester                | Numeric   | 0 =No 1 =Yes   |
| wht_anydepst     | 8      | text   | Deposit Required for Any Unit, White Tester        | Numeric   |  |
| wht_anysurety    | 8      | text   | Surety Bond Required for Any Unit, White Tester    | Numeric   |  |
| wht_followups    | 8      | option | Agent Made Follow-Up Contact, White Tester         | Numeric   | 0 =No 1 =Yes   |
| wht_futcont      | 8      | option | Arrangement for Future Contact Made, White Tester  | Numeric   | 0 =No 1 =Yes   |
| wht_helped1      | 8      | option | Helpfulness index component #1, White Tester       | Numeric   | 0 =No 1 =Yes   |
| wht_helped2      | 8      | option | Helpfulness index component #2, White Tester       | Numeric   | 0 =No 1 =Yes   |
| wht_helped3      | 8      | option | Helpfulness index component #3, White Tester       | Numeric   | 0 =No 1 =Yes   |

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| Variable Name     | Format | Length | Variable Label  | Type    | Allowable Values |
|-------------------|--------|--------|---|---------|------------------|
| wht_helped4       | 8      | option | Helpfulness index component #4, White Tester                        | Numeric | 0 =No 1 =Yes     |
| wht_helpfulness   | 8      | text   | Helpfulness index score, White Tester                               | Numeric |                  |
| wht_inspected     | 8      | option | Inspected a Unit, White Tester                                      | Numeric | 0 =No 1 =Yes     |
| wht_listitem      | 8      | option | An Item Was Listed, White Tester                                    | Numeric | 0 =No 1 =Yes     |
| wht_listitems_num | 8      | text   | Number of Items Listed, White Tester                                | Numeric |                  |
| wht_negremark     | 8      | option | Agent Made a Negative Remark, White Tester                          | Numeric | 0 =No 1 =Yes     |
| wht_net_cost      | 8      | text   | Net Housing Costs, White Tester                                     | Numeric |                  |
| wht_noproblem     | 8      | option | Saw a Unit w/ No Problems, Asian Tester                             | Numeric | 0 =No 1 =Yes     |
| wht_numnegatives  | 8      | text   | Number of Negative Remarks, White Tester                            | Numeric |                  |
| wht_numpositives  | 8      | text   | Number of Positive Remarks, White Tester                            | Numeric |                  |
| wht_numproblems   | 8      | text   | Number of Problem Conditions, White Tester                          | Numeric |                  |
| wht_oth_avail     | 8      | option | Other Unit is Available, White Tester                               | Numeric | 0 =No 1 =Yes     |
| wht_othdepst      | 8      | text   | Deposit Required for Other Unit, White Tester                       | Numeric |                  |
| wht_othfeeneg     | 8      | option | Fees Negotiable for Other Unit, White Tester                        | Numeric | 0 =No 1 =Yes     |
| wht_othfeeyn      | 8      | option | Fees Required for Other Unit, White Tester                          | Numeric | 0 =No 1 =Yes     |
| wht_othrent       | 8      | text   | Rent for Other Unit, White Tester                                   | Numeric |                  |
| wht_othsurety     | 8      | text   | Surety Bond for Other Unit, White Tester                            | Numeric |                  |
| wht_othtotfee     | 8      | text   | Total Fees for Other Unit, White Tester                             | Numeric |                  |
| wht_posremark     | 8      | option | Agent Made a Positive Remark, White Tester                          | Numeric | 0 =No 1 =Yes     |
| wht_radaval       | 8      | text   | Number of Advertised Units Available, White Tester                  | Numeric |                  |
| wht_ragflaw       | 8      | option | Agent Mentioned Fair Housing Law, White Tester                      | Numeric | 0 =No 1 =Yes     |
| wht_rappnec       | 8      | option | Agent Said Application Required, White Tester                       | Numeric | 0 =No 1 =Yes     |
| wht_rchoice       | 8      | option | Agent Gave Choice Between Sec Deposit and Surety Bond, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_rcredchk      | 8      | option | Agent Said Credit Check Required, White Tester                      | Numeric | 0 =No 1 =Yes     |
| wht_rcrimchk      | 8      | option | Agent Said Criminal Check Required, White Tester                    | Numeric | 0 =No 1 =Yes     |
| wht_rdepositneg   | 8      | option | Security Deposit or Surety Bond Negotiable, White Tester            | Numeric | 0 =No 1 =Yes     |
| wht_rfeeyn        | 8      | option | Fees Required for Any Unit, White Tester                            | Numeric | 0 =No 1 =Yes     |
| wht_rinspun       | 8      | text   | Number of Advertised Units Inspected, White Tester                  | Numeric |                  |
| wht_rinvtapp      | 8      | option | Given an Application to Complete, White Tester                      | Numeric | 0 =No 1 =Yes     |
| wht_rminbed       | 8      | text   | Number of Other Units Inspected, White Tester                       | Numeric |                  |
| wht_rorace        | 8      | option | Agent Made Comments About Race, White Tester                        | Numeric | 0 =No 1 =Yes     |
| wht_rpmnt         | 8      | option | Payments Required at Move In, White Tester                          | Numeric | 0 =No 1 =Yes     |



HDS 2012 Codebook  
Data File: Rental\_intermediate

| Variable Name | Format | Length | Variable Label                               | Type    | Allowable Values |
|---------------|--------|--------|--|---------|------------------|
| wht_rpmntng   | 8      | option | Payments at Move In Negotiable, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_rpmntto   | 8      | text   | Total Payments at Move In, White Tester      | Numeric |                  |
| wht_rudepst   | 8      | option | Security Deposit Required White Tester       | Numeric | 0 =No 1 =Yes     |
| wht_rufeeneg  | 8      | option | Fees Negotiable for Any Unit, White Tester   | Numeric | 0 =No 1 =Yes     |
| wht_rul2y     | 8      | option | 2 Year Lease Available, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_rulmm     | 8      | option | Month to Month Lease Available, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_runegot   | 8      | option | Rent is Negotiable, White Tester             | Numeric | 0 =No 1 =Yes     |
| wht_rurent    | 8      | text   | Rent for Any Unit, White Tester              | Numeric |                  |
| wht_ruspcl    | 8      | option | Incentives Available, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_rusptot   | 8      | text   | Total Value of Incentives, White Tester      | Numeric |                  |
| wht_rutotfee  | 8      | text   | Total Fees for Any Unit, White Tester        | Numeric |                  |
| wht_rwaitl    | 8      | option | Placed on Waiting List, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_totaval   | 8      | text   | Total Units Available, White Tester          | Numeric |                  |

HDS 2012 Codebook  
Data File: Sales\_intermediate

| Variable Name          | Format | Length | Variable Label  | Type      | Allowable Values |
|------------------------|--------|--------|---|-----------|------------------|
| CONTROL                | 12     | text   | Control Number  | Character |                  |
| FUIMOD                 | 8      | option | Flag for test performed with the pre-qualification modification | Numeric   | 1 =Yes           |
| hprice_inc_min         | 8      | option | Higher Asking Price for Minority Tester                         | Numeric   | 0 =No 1 =Yes     |
| hprice_inc_same        | 8      | option | Same Asking Price for Both Testers                              | Numeric   | 0 =No 1 =Yes     |
| hprice_inc_wht         | 8      | option | Higher Asking Price for White Tester                            | Numeric   | 0 =No 1 =Yes     |
| lengthOfVisit_inc_min  | 8      | option | Agent spent 30 minutes or more with Minority Tester             | Numeric   | 0 =No 1 =Yes     |
| lengthOfVisit_inc_same | 8      | option | Agent Spent About the Same Amount of time with Both Testers     | Numeric   | 0 =No 1 =Yes     |
| lengthOfVisit_inc_wht  | 8      | option | Agent spent 30 minutes or more with White Tester                | Numeric   | 0 =No 1 =Yes     |
| min_adv_avail          | 8      | option | Advertised Home is Available, Minority Tester                   | Numeric   | 0 =No 1 =Yes     |
| min_agtcredit          | 8      | option | Agent Asked About Credit, Minority Tester                       | Numeric   | 0 =No 1 =Yes     |
| min_agtdebts           | 8      | option | Agent Asked About Debts, Minority Tester                        | Numeric   | 0 =No 1 =Yes     |
| min_answ_avail         | 8      | option | Answered Availability Question, Minority Tester                 | Numeric   | 0 =No 1 =Yes     |
| min_followups          | 8      | option | Agent Made Follow-Up Contact, Minority Tester                   | Numeric   | 0 =No 1 =Yes     |
| min_futcont            | 8      | option | Arrangement for Future Contact Made, Minority Tester            | Numeric   | 0 =No 1 =Yes     |
| min_helped1            | 8      | option | Helpfulness index component #1, Minority Tester                 | Numeric   | 0 =No 1 =Yes     |
| min_helped2            | 8      | option | Helpfulness index component #2, Minority Tester                 | Numeric   | 0 =No 1 =Yes     |
| min_helped3            | 8      | option | Helpfulness index component #3, Minority Tester                 | Numeric   | 0 =No 1 =Yes     |
| min_helped4            | 8      | option | Helpfulness index component #4, Minority Tester                 | Numeric   | 0 =No 1 =Yes     |
| min_helpfulness        | 8      | text   | Helpfulness index score, Minority Tester                        | Numeric   |                  |
| min_home_avail         | 8      | option | Home is Available, Minority Tester                              | Numeric   | 0 =No 1 =Yes     |
| min_home_insp          | 8      | option | Inspected a Home, Minority Tester                               | Numeric   | 0 =No 1 =Yes     |
| min_home_recd          | 8      | option | Agent Rec'd a Home, Minority Tester                             | Numeric   | 0 =No 1 =Yes     |
| min_hprice             | 8      | text   | Average Home Price, Minority Tester                             | Numeric   |                  |
| min_invest_neg         | 8      | option | Negative Comment About Investment, Minority Tester              | Numeric   | 0 =No 1 =Yes     |
| min_invest_pos         | 8      | option | Positive Comment About Investment, Minority Tester              | Numeric   | 0 =No 1 =Yes     |
| min_lengthOfVisit      | 8      | text   | Length of Visit (Minutes), Minority Tester                      | Numeric   |                  |
| min_noise_neg          | 8      | option | Negative Comment About Noise, Minority Tester                   | Numeric   | 0 =No 1 =Yes     |
| min_noise_pos          | 8      | option | Positive Comment About Noise, Minority Tester                   | Numeric   | 0 =No 1 =Yes     |
| min_noproblem          | 8      | option | Saw a Unit w/ No Problems, Minority Tester                      | Numeric   | 0 =No 1 =Yes     |
| min_numproblems        | 8      | text   | Number of Problem Conditions, Minority Tester                   | Numeric   |                  |
| min_pfin               | 8      | option | Agent Discussed Personal Finance, Minority Tester               | Numeric   | 0 =No 1 =Yes     |
| min_pubs_neg           | 8      | option | Negative Comment About Public Services, Minority Tester         | Numeric   | 0 =No 1 =Yes     |

HDS 2012 Codebook  
Data File: Sales\_intermediate

| Variable Name   | Format | Length | Variable Label  | Type    | Allowable Values |
|-----------------|--------|--------|---|---------|------------------|
| min_pubs_pos    | 8      | option | Positive Comment About Public Services, Minority Tester           | Numeric | 0 =No 1 =Yes     |
| min_refuse      | 8      | option | Agent Refused Service w/o Pre-Qual, Minority Tester               | Numeric | 0 =No 1 =Yes     |
| min_safety_neg  | 8      | option | Negative Comment About Safety, Minority Tester                    | Numeric | 0 =No 1 =Yes     |
| min_safety_pos  | 8      | option | Positive Comment About Safety, Minority Tester                    | Numeric | 0 =No 1 =Yes     |
| min_sagflaw     | 8      | option | Agent Mentioned Fair Housing Law, Minority Tester                 | Numeric | 0 =No 1 =Yes     |
| min_sagfindf    | 8      | option | Agent Helped With Financing, Minority Tester                      | Numeric | 0 =No 1 =Yes     |
| min_sagorcr     | 8      | option | Agent Made Comments About Race, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| min_sagqual     | 8      | option | Agent Said Tester Not Qualified, Minority Tester                  | Numeric | 0 =No 1 =Yes     |
| min_school_neg  | 8      | option | Negative Comment About Schools, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| min_school_pos  | 8      | option | Positive Comment About Schools, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| min_sminsp      | 8      | text   | Total Homes Inspected, Minority Tester                            | Numeric |                  |
| min_smorthi     | 8      | text   | Highest Mortgage Amount Given, Minority Tester                    | Numeric |                  |
| min_spreq       | 8      | option | Agent Asked About Pre-Qual, Minority Tester                       | Numeric | 0 =No 1 =Yes     |
| min_sprequal    | 8      | option | Tester Was Pre-Qualified During Visit, Minority Tester            | Numeric | 0 =No 1 =Yes     |
| min_sprichi     | 8      | text   | Highest Home Price Given, Minority Tester                         | Numeric |                  |
| min_sratelow    | 8      | text   | Lowest Interest Rate Given, Minority Tester                       | Numeric |                  |
| min_srefag      | 8      | option | Referred to Another Agent, Minority Tester                        | Numeric | 0 =No 1 =Yes     |
| min_srefpq1     | 8      | option | Agent Refused to Talk About Advertised Home, Minority Tester      | Numeric | 0 =No 1 =Yes     |
| min_srefpq2     | 8      | option | Agent Refused to Rec Homes, Minority Tester                       | Numeric | 0 =No 1 =Yes     |
| min_srefpq3     | 8      | option | Agent Refused to Provide Listings, Minority Tester                | Numeric | 0 =No 1 =Yes     |
| min_srefpq4     | 8      | option | Agent Refused to Show Any Homes, Minority Tester                  | Numeric | 0 =No 1 =Yes     |
| min_srefpq5     | 8      | option | Agent Showed Advertised Home, but Refused Others, Minority Tester | Numeric | 0 =No 1 =Yes     |
| min_srefpq6     | 8      | option | Agent Refused to Make Second Visit, Minority Tester               | Numeric | 0 =No 1 =Yes     |
| min_srtypfin    | 8      | option | Agent Discussed Available Financing, Minority Tester              | Numeric | 0 =No 1 =Yes     |
| min_ssigndoc    | 8      | option | Tester Asked to Sign Documents, Minority Tester                   | Numeric | 0 =No 1 =Yes     |
| min_ssugdown    | 8      | option | Agent Mentioned Likely Down Payment, Minority Tester              | Numeric | 0 =No 1 =Yes     |
| min_ssugmort    | 8      | option | Agent Mentioned Mortgage Amount, Minority Tester                  | Numeric | 0 =No 1 =Yes     |
| min_ssugpric    | 8      | option | Agent Suggested a Home Price, Minority Tester                     | Numeric | 0 =No 1 =Yes     |
| min_ssugrate    | 8      | option | Agent Suggested an Interest Rate Range, Minority Tester           | Numeric | 0 =No 1 =Yes     |
| min_stotunit    | 8      | text   | Total Homes Rec'd, Minority Tester                                | Numeric |                  |
| min_totnegative | 8      | text   | Number of Negative Comments, Minority Tester                      | Numeric |                  |
| min_totpositive | 8      | text   | Number of Positive Comments, Minority Tester                      | Numeric |                  |

HDS 2012 Codebook  
Data File: Sales\_intermediate

| Variable Name        | Format | Length | Variable Label                              | Type      | Allowable Values   |
|----------------------|--------|--------|---|-----------|--|
| numproblems_inc_min  | 8      | option | More Problem Conditions For Minority Tester | Numeric   | 0 =No 1 =Yes   |
| numproblems_inc_same | 8      | option | Same Problem Conditions For Both Testers    | Numeric   | 0 =No 1 =Yes   |
| numproblems_inc_wht  | 8      | option | More Problem Conditions For White Tester    | Numeric   | 0 =No 1 =Yes   |
| racetype             | 3      | option | Race of Minority Tester                     | Character | asn =Asian blk =Black hsp =Hispanic  |
| site                 | 12     | option | Metro Area                                  | Character | AT=Atlanta, GA AQ=Albuquerque, NM BT=Baltimore, MD BN=Boston, MA CH=Chicago-Gary-Lake IL CL=Cleveland, OH CO=Columbia, SC DC=Washington, DC/MD/VA DL=Dallas DT=Detroit, MI FW=Fort Worth-Arlington, TX GB=Greensboro-Winston Salem-High Point, NC HS=Houston-Brazoria, TX KC=Kansas City, MO-KS LA=Los Angeles-Long Beach, CA MI=Miami-Hialeah, FL MS=Middlesex-Somerset-Hunterdon, NJ NO=Newark, NJ - NJCA NT=Newark, NJ - FHCNNJ NY=New York OC=Orange County, CA PD=Philadelphia, PA/NJ RM=Richmond-Petersburg, VA RS=Riverside-San Bernardino, CA SA=San Antonio, TX SD=San Diego, CA SJ=San Jose, CA ST=Seattle-Everett, WA TP=Tampa-St. Petersburg-Clearwater, FL UI=UI Internal XX=UI Internal Test Site ZZ=UI Training Test Site |
| sminsp_inc_min       | 8      | option | More Inspections for Minority Tester        | Numeric   | 0 =No 1 =Yes   |
| sminsp_inc_same      | 8      | option | Same Inspections for Both Testers           | Numeric   | 0 =No 1 =Yes   |
| sminsp_inc_wht       | 8      | option | More Inspections for White Tester           | Numeric   | 0 =No 1 =Yes   |
| smorthi_inc_min      | 8      | option | Higher Mortgage Rate for Minority Tester    | Numeric   | 0 =No 1 =Yes   |
| smorthi_inc_same     | 8      | option | Same Mortgage Rate for Both Testers         | Numeric   | 0 =No 1 =Yes   |
| smorthi_inc_wht      | 8      | option | Higher Mortgage Rate for White Tester       | Numeric   | 0 =No 1 =Yes   |
| sprichi_inc_min      | 8      | option | Higher Home Price Quote for Minority Tester | Numeric   | 0 =No 1 =Yes   |
| sprichi_inc_same     | 8      | option | Same Home Price Quote for Both Testers      | Numeric   | 0 =No 1 =Yes   |
| sprichi_inc_wht      | 8      | option | Higher Home Price Quote for White Tester    | Numeric   | 0 =No 1 =Yes   |
| sratelow_inc_min     | 8      | option | Lower Interest Rate for Minority Tester     | Numeric   | 0 =No 1 =Yes   |
| sratelow_inc_same    | 8      | option | Same Interest Rate for Both Testers         | Numeric   | 0 =No 1 =Yes   |
| sratelow_inc_wht     | 8      | option | Lower Interest Rate for White Tester        | Numeric   | 0 =No 1 =Yes   |
| ssugmort_inc_min     | 8      | option | Higher Mortgage Amount, Minority Tester     | Numeric   | 0 =No 1 =Yes   |
| ssugmort_inc_same    | 8      | option | Same Mortgage Amount, Both Testers          | Numeric   | 0 =No 1 =Yes   |
| ssugmort_inc_wht     | 8      | option | Higher Mortgage Amount, White Tester        | Numeric   | 0 =No 1 =Yes   |
| totnegative_inc_min  | 8      | option | More Negative Comments, Minority Tester     | Numeric   | 0 =No 1 =Yes   |

HDS 2012 Codebook  
Data File: Sales\_intermediate

| Variable Name        | Format | Length | Variable Label                                       | Type    | Allowable Values |
|----------------------|--------|--------|--|---------|------------------|
| totnegative_inc_same | 8      | option | Same Negative Comments, Both Testers                 | Numeric | 0 =No 1 =Yes     |
| totnegative_inc_wht  | 8      | option | More Negative Comments, White Tester                 | Numeric | 0 =No 1 =Yes     |
| totpositive_inc_min  | 8      | option | More Positive Comments, Minority Tester              | Numeric | 0 =No 1 =Yes     |
| totpositive_inc_same | 8      | option | Same Positive Comments, Both Testers                 | Numeric | 0 =No 1 =Yes     |
| totpositive_inc_wht  | 8      | option | More Positive Comments, White Tester                 | Numeric | 0 =No 1 =Yes     |
| wht_adv_avail        | 8      | option | Advertised Home is Available, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_agtcredit        | 8      | option | Agent Asked About Credit, White Tester               | Numeric | 0 =No 1 =Yes     |
| wht_agtdebts         | 8      | option | Agent Asked About Debts, White Tester                | Numeric | 0 =No 1 =Yes     |
| wht_answ_avail       | 8      | option | Answered Availability Question, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_followups        | 8      | option | Agent Made Follow-Up Contact, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_futcont          | 8      | option | Arrangement for Future Contact Made, White Tester    | Numeric | 0 =No 1 =Yes     |
| wht_helped1          | 8      | option | Helpfulness index component #1, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_helped2          | 8      | option | Helpfulness index component #2, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_helped3          | 8      | option | Helpfulness index component #3, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_helped4          | 8      | option | Helpfulness index component #4, White Tester         | Numeric | 0 =No 1 =Yes     |
| wht_helpfulness      | 8      | text   | Helpfulness index score, White Tester                | Numeric |                  |
| wht_home_avail       | 8      | option | Home is Available, White Tester                      | Numeric | 0 =No 1 =Yes     |
| wht_home_insp        | 8      | option | Inspected a Home, White Tester                       | Numeric | 0 =No 1 =Yes     |
| wht_home_recd        | 8      | option | Agent Rec'd a Home, White Tester                     | Numeric | 0 =No 1 =Yes     |
| wht_hprice           | 8      | text   | Average Home Price, White Tester                     | Numeric |                  |
| wht_invest_neg       | 8      | option | Negative Comment About Investment, White Tester      | Numeric | 0 =No 1 =Yes     |
| wht_invest_pos       | 8      | option | Positive Comment About Investment, White Tester      | Numeric | 0 =No 1 =Yes     |
| wht_lengthOfVisit    | 8      | text   | Length of Visit (Minutes), White Tester              | Numeric |                  |
| wht_noise_neg        | 8      | option | Negative Comment About Noise, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_noise_pos        | 8      | option | Positive Comment About Noise, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_noproblem        | 8      | option | Saw a Unit w/ No Problems, White Tester              | Numeric | 0 =No 1 =Yes     |
| wht_numproblems      | 8      | text   | Number of Negative Remarks, White Tester             | Numeric |                  |
| wht_pfin             | 8      | option | Agent Discussed Personal Finance, White Tester       | Numeric | 0 =No 1 =Yes     |
| wht_pubs_neg         | 8      | option | Negative Comment About Public Services, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_pubs_pos         | 8      | option | Positive Comment About Public Services, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_refuse           | 8      | option | Agent Refused Service w/o Pre-Qual, White Tester     | Numeric | 0 =No 1 =Yes     |
| wht_safety_neg       | 8      | option | Negative Comment About Safety, White Tester          | Numeric | 0 =No 1 =Yes     |
| wht_safety_pos       | 8      | option | Positive Comment About Safety, White Tester          | Numeric | 0 =No 1 =Yes     |

HDS 2012 Codebook  
Data File: Sales\_intermediate

| Variable Name   | Format | Length | Variable Label   | Type    | Allowable Values |
|-----------------|--------|--------|--|---------|------------------|
| wht_sagfhlaw    | 8      | option | Agent Mentioned Fair Housing Law, White Tester                 | Numeric | 0 =No 1 =Yes     |
| wht_sagfindf    | 8      | option | Agent Helped With Financing, White Tester                      | Numeric | 0 =No 1 =Yes     |
| wht_sagorcr     | 8      | option | Agent Made Comments About Race, White Tester                   | Numeric | 0 =No 1 =Yes     |
| wht_sagqual     | 8      | option | Agent Said Tester Not Qualified, White Tester                  | Numeric | 0 =No 1 =Yes     |
| wht_school_neg  | 8      | option | Negative Comment About Schools, White Tester                   | Numeric | 0 =No 1 =Yes     |
| wht_school_pos  | 8      | option | Positive Comment About Schools, White Tester                   | Numeric | 0 =No 1 =Yes     |
| wht_sminsp      | 8      | text   | Total Homes Inspected, White Tester                            | Numeric |                  |
| wht_smorthi     | 8      | text   | Highest Mortgage Amount Given, White Tester                    | Numeric |                  |
| wht_spreq       | 8      | option | Agent Asked About Pre-Qual, White Tester                       | Numeric | 0 =No 1 =Yes     |
| wht_sprequal    | 8      | option | Tester Was Pre-Qualified During Visit, White Tester            | Numeric | 0 =No 1 =Yes     |
| wht_sprichi     | 8      | text   | Highest Home Price Given, White Tester                         | Numeric |                  |
| wht_sratelow    | 8      | text   | Lowest Interest Rate Given, White Tester                       | Numeric |                  |
| wht_srefag      | 8      | option | Referred to Another Agent, White Tester                        | Numeric | 0 =No 1 =Yes     |
| wht_srefpq1     | 8      | option | Agent Refused to Talk About Advertised Home, White Tester      | Numeric | 0 =No 1 =Yes     |
| wht_srefpq2     | 8      | option | Agent Refused to Rec Homes, White Tester                       | Numeric | 0 =No 1 =Yes     |
| wht_srefpq3     | 8      | option | Agent Refused to Provide Listings, White Tester                | Numeric | 0 =No 1 =Yes     |
| wht_srefpq4     | 8      | option | Agent Refused to Show Any Homes, White Tester                  | Numeric | 0 =No 1 =Yes     |
| wht_srefpq5     | 8      | option | Agent Showed Advertised Home, but Refused Others, White Tester | Numeric | 0 =No 1 =Yes     |
| wht_srefpq6     | 8      | option | Agent Refused to Make Second Visit, White Tester               | Numeric | 0 =No 1 =Yes     |
| wht_srtypfin    | 8      | option | Agent Discussed Available Financing, White Tester              | Numeric | 0 =No 1 =Yes     |
| wht_ssigndoc    | 8      | option | Tester Asked to Sign Documents, White Tester                   | Numeric | 0 =No 1 =Yes     |
| wht_ssugdown    | 8      | option | Agent Mentioned Likely Down Payment, White Tester              | Numeric | 0 =No 1 =Yes     |
| wht_ssugmort    | 8      | option | Agent Mentioned Mortgage Amount, White Tester                  | Numeric | 0 =No 1 =Yes     |
| wht_ssugpric    | 8      | option | Agent Suggested a Home Price, White Tester                     | Numeric | 0 =No 1 =Yes     |
| wht_ssugrate    | 8      | option | Agent Suggested an Interest Rate Range, White Tester           | Numeric | 0 =No 1 =Yes     |
| wht_stotunit    | 8      | text   | Total Homes Rec'd, White Tester                                | Numeric |                  |
| wht_totnegative | 8      | text   | Number of Negative Comments, White Tester                      | Numeric |                  |
| wht_totpositive | 8      | text   | Number of Positive Comments, White Tester                      | Numeric |                  |

HDS 2012 Codebook  
Data File: Steering\_intermediate

| Variable Name      | Format | Length | Variable Label  | Type      | Allowable Values |
|--------------------|--------|--------|---|-----------|------------------|
| comment_inc_min    | 8      | option | More comments on homes, Minority Tester                               | Numeric   | 0 =No 1 =Yes     |
| comment_inc_same   | 8      | option | Same number of comments for Both Testers                              | Numeric   | 0 =No 1 =Yes     |
| comment_inc_wht    | 8      | option | More comments on homes, White Tester                                  | Numeric   | 0 =No 1 =Yes     |
| CONTROL            | 12     | text   | Control Number  | Character |                  |
| favorint           | 8      | option | Test favoring integration   | Numeric   | 0 =No 1 =Yes     |
| favorneither       | 8      | option | Test favoring neither integration nor segregation                     | Numeric   | 0 =No 1 =Yes     |
| favorseg           | 8      | option | Test favoring segregation   | Numeric   | 0 =No 1 =Yes     |
| FUIMOD             | 8      | option | Flag for test performed with the pre-qualification modification       | Numeric   | 0 =No 1 =Yes     |
| homesper_inc_min   | 8      | option | Told about more homes per tract, Minority Tester                      | Numeric   | 0 =No 1 =Yes     |
| homesper_inc_same  | 8      | option | Told about same number of homes per tract, Both Testers               | Numeric   | 0 =No 1 =Yes     |
| homesper_inc_wht   | 8      | option | Told about more homes per tract, White Tester                         | Numeric   | 0 =No 1 =Yes     |
| homeval_i_inc_min  | 8      | option | Inspected homes in tracts with higher home values, Minority Tester    | Numeric   | 0 =No 1 =Yes     |
| homeval_i_inc_same | 8      | option | Inspected homes in tracts with same home values, Both Testers         | Numeric   | 0 =No 1 =Yes     |
| homeval_i_inc_wht  | 8      | option | Inspected homes in tracts with higher home values, White Tester       | Numeric   | 0 =No 1 =Yes     |
| homeval_inc_min    | 8      | option | Told about homes in tracts with higher home values, Minority Tester   | Numeric   | 0 =No 1 =Yes     |
| homeval_inc_same   | 8      | option | Told about homes in tracts with same home values, Both Testers        | Numeric   | 0 =No 1 =Yes     |
| homeval_inc_wht    | 8      | option | Told about homes in tracts with higher home values, White Tester      | Numeric   | 0 =No 1 =Yes     |
| income_i_inc_min   | 8      | option | Inspected homes in tracts with higher median income, Minority Tester  | Numeric   | 0 =No 1 =Yes     |
| income_i_inc_same  | 8      | option | Inspected homes in tracts with same median income, Both Testers       | Numeric   | 0 =No 1 =Yes     |
| income_i_inc_wht   | 8      | option | Inspected homes in tracts with higher median income, White Tester     | Numeric   | 0 =No 1 =Yes     |
| income_inc_min     | 8      | option | Told about homes in tracts with higher median income, Minority Tester | Numeric   | 0 =No 1 =Yes     |
| income_inc_same    | 8      | option | Told about homes in tracts with same median income, Both Testers      | Numeric   | 0 =No 1 =Yes     |
| income_inc_wht     | 8      | option | Told about homes in tracts with higher median income, White Tester    | Numeric   | 0 =No 1 =Yes     |
| inspect_inc_min    | 8      | option | Inspected homes in more tracts, Minority Tester                       | Numeric   | 0 =No 1 =Yes     |
| inspect_inc_same   | 8      | option | Inspected homes in the same number of tracts, Both Testers            | Numeric   | 0 =No 1 =Yes     |
| inspect_inc_wht    | 8      | option | Inspected homes in more tracts, White Tester                          | Numeric   | 0 =No 1 =Yes     |

HDS 2012 Codebook  
Data File: Steering\_intermediate

| Variable Name       | Format | Length | Variable Label   | Type    | Allowable Values |
|---------------------|--------|--------|--|---------|------------------|
| inspectper_inc_min  | 8      | option | Inspected more homes per tract, Minority Tester  | Numeric | 0 =No 1 =Yes     |
| inspectper_inc_same | 8      | option | Inspected same number of homes per tract, Both Testers   | Numeric | 0 =No 1 =Yes     |
| inspectper_inc_wht  | 8      | option | Inspected more homes per tract, White Tester   | Numeric | 0 =No 1 =Yes     |
| min_comment         | 8      | text   | Average comments per home made by agent, Minority Tester   | Numeric |                  |
| min_homesper        | 8      | text   | Number of homes told about per tract, Minority Tester  | Numeric |                  |
| min_homeval         | 8      | text   | Average of tract median home value for homes told about, Minority Tester                               | Numeric |                  |
| min_homeval_i       | 8      | text   | Average of tract median home value for homes inspected, Minority Tester                                | Numeric |                  |
| min_income          | 8      | text   | Average tract income for homes told about, Minority Tester   | Numeric |                  |
| min_income_i        | 8      | text   | Average tract income for homes inspected, Minority Tester  | Numeric |                  |
| min_inspect         | 8      | text   | Number of tracts that homes were inspected in, Minority Tester   | Numeric |                  |
| min_inspectper      | 8      | text   | Number of homes inspected per tract, Minority Tester   | Numeric |                  |
| min_negmin          | 8      | text   | Number of negative comments made by agent about homes in minority neighborhoods to the Minority Tester | Numeric |                  |
| min_negwht          | 8      | text   | Number of negative comments made by agent about homes in white neighborhoods to the Minority Tester    | Numeric |                  |
| min_nonpoor         | 8      | text   | Average tract percentage nonpoor for homes told about, Minority Tester                                 | Numeric |                  |
| min_nonpoor_i       | 8      | text   | Average tract percentage nonpoor for homes inspected, Minority Tester                                  | Numeric |                  |
| min_pctasian        | 8      | text   | Average tract percentage Asian for homes told about, Minority Tester                                   | Numeric |                  |
| min_pctasian_i      | 8      | text   | Average tract percentage Asian for homes inspected, Minority Tester                                    | Numeric |                  |
| min_pctblack        | 8      | text   | Average tract percentage Black for homes told about, Minority Tester                                   | Numeric |                  |
| min_pctblack_i      | 8      | text   | Average tract percentage Black for homes inspected, Minority Tester                                    | Numeric |                  |
| min_pcthispanic     | 8      | text   | Average tract percentage Hispanic for homes told about, Minority Tester                                | Numeric |                  |
| min_pcthispanic_i   | 8      | text   | Average tract percentage Hispanic for homes inspected, Minority Tester                                 | Numeric |                  |
| min_pctminority     | 8      | text   | Average tract percentage Minority for homes told about, Minority Tester                                | Numeric |                  |
| min_pctminority_i   | 8      | text   | Average tract percentage Minority for homes inspected, Minority Tester                                 | Numeric |                  |



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| Variable Name       | Format | Length | Variable Label   | Type    | Allowable Values |
|---------------------|--------|--------|--|---------|------------------|
| min_pctowner        | 8      | text   | Average tract homeownership rate for homes told about, Minority Tester                                 | Numeric |                  |
| min_pctowner_i      | 8      | text   | Average tract homeownership rate for homes inspected, Minority Tester                                  | Numeric |                  |
| min_pctwhite        | 8      | text   | Average tract percentage White for homes told about, Minority Tester                                   | Numeric |                  |
| min_pctwhite_i      | 8      | text   | Average tract percentage White for homes inspected, Minority Tester                                    | Numeric |                  |
| min_posmin          | 8      | text   | Number of positive comments made by agent about homes in minority neighborhoods to the Minority Tester | Numeric |                  |
| min_poswht          | 8      | text   | Number of positive comments made by agent about homes in white neighborhoods to the Minority Tester    | Numeric |                  |
| min_sminsp          | 8      | text   | Total Homes Inspected, Minority Tester   | Numeric |                  |
| min_stotunit        | 8      | text   | Total Homes Rec'd, Minority Tester   | Numeric |                  |
| min_tracts          | 8      | text   | Number of tracts that homes were told about in, Minority Tester  | Numeric |                  |
| min_tractsperinsp   | 8      | text   | Number of tracts per homes told about, Minority Tester   | Numeric |                  |
| min_tractsperrec    | 8      | text   | Number of tracts per homes inspected, Minority Tester  | Numeric |                  |
| nonpoor_i_inc_min   | 8      | option | Inspected homes in tracts with higher percentage nonpoor, Minority Tester                              | Numeric | 0 =No 1 =Yes     |
| nonpoor_i_inc_same  | 8      | option | Inspected homes in tracts with same percentage nonpoor, Both Testers                                   | Numeric | 0 =No 1 =Yes     |
| nonpoor_i_inc_wht   | 8      | option | Inspected homes in tracts with higher percentage nonpoor, White Tester                                 | Numeric | 0 =No 1 =Yes     |
| nonpoor_inc_min     | 8      | option | Told about homes in tracts with higher percentage nonpoor, Minority Tester                             | Numeric | 0 =No 1 =Yes     |
| nonpoor_inc_same    | 8      | option | Told about homes in tracts with same percentage nonpoor, Both Testers                                  | Numeric | 0 =No 1 =Yes     |
| nonpoor_inc_wht     | 8      | option | Told about homes in tracts with higher percentage nonpoor, White Tester                                | Numeric | 0 =No 1 =Yes     |
| pctowner_i_inc_min  | 8      | option | Inspected homes in tracts with higher homeownership rate, Minority Tester                              | Numeric | 0 =No 1 =Yes     |
| pctowner_i_inc_same | 8      | option | Inspected homes in tracts with same homeownership rate, Both Testers                                   | Numeric | 0 =No 1 =Yes     |
| pctowner_i_inc_wht  | 8      | option | Inspected homes in tracts with higher homeownership rate, White Tester                                 | Numeric | 0 =No 1 =Yes     |
| pctowner_inc_min    | 8      | option | Told about homes in tracts with higher homeownership rate, Minority Tester                             | Numeric | 0 =No 1 =Yes     |
| pctowner_inc_same   | 8      | option | Told about homes in tracts with same homeownership rate, Both Testers                                  | Numeric | 0 =No 1 =Yes     |
| pctowner_inc_wht    | 8      | option | Told about homes in tracts with higher homeownership rate, White Tester                                | Numeric | 0 =No 1 =Yes     |
| pctwhite_i_inc_min  | 8      | option | Inspected homes in whiter tracts, Minority Tester  | Numeric | 0 =No 1 =Yes     |

HDS 2012 Codebook  
Data File: Steering\_intermediate

| Variable Name          | Format | Length | Variable Label  | Type      | Allowable Values   |
|------------------------|--------|--------|---|-----------|--|
| pctwhite_i_inc_same    | 8      | option | Inspected homes in equally white tracts, Both Testers                 | Numeric   | 0 =No 1 =Yes   |
| pctwhite_i_inc_wht     | 8      | option | Inspected homes in whiter tracts, White Tester                        | Numeric   | 0 =No 1 =Yes   |
| pctwhite_inc_min       | 8      | option | Told about homes in whiter tracts, Minority Tester                    | Numeric   | 0 =No 1 =Yes   |
| pctwhite_inc_same      | 8      | option | Told about homes in equally white tracts, Both Testers                | Numeric   | 0 =No 1 =Yes   |
| pctwhite_inc_wht       | 8      | option | Told about homes in whiter tracts, White Tester                       | Numeric   | 0 =No 1 =Yes   |
| racetype               | 3      | option | Race of Minority Tester   | Character | asn =Asian blk =Black hsp =Hispanic  |
| site                   | 12     | option | Metro Area  | Character | AT=Atlanta, GA AQ=Albuquerque, NM BT=Baltimore, MD BN=Boston, MA CH=Chicago-Gary-Lake IL CL=Cleveland, OH CO=Columbia, SC DC=Washington, DC/MD/VA DL=Dallas DT=Detroit, MI FW=Fort Worth-Arlington, TX GB=Greensboro-Winston Salem-High Point, NC HS=Houston-Brazoria, TX KC=Kansas City, MO-KS LA=Los Angeles-Long Beach, CA MI=Miami-Hialeah, FL MS=Middlesex-Somerset-Hunterdon, NJ NO=Newark, NJ - NJCA NT=Newark, NJ - FHCNNJ NY=New York OC=Orange County, CA PD=Philadelphia, PA/NJ RM=Richmond-Petersburg, VA RS=Riverside-San Bernardino, CA SA=San Antonio, TX SD=San Diego, CA SJ=San Jose, CA ST=Seattle-Everett, WA TP=Tampa-St. Petersburg-Clearwater, FL UI=UI Internal XX=UI Internal Test Site ZZ=UI Training Test Site |
| tracts_inc_min         | 8      | option | Told about homes in more tracts, Minority Tester                      | Numeric   | 0 =No 1 =Yes   |
| tracts_inc_same        | 8      | option | Told about homes in same number of tracts, Both Testers               | Numeric   | 0 =No 1 =Yes   |
| tracts_inc_wht         | 8      | option | Told about homes in more tracts, White Tester                         | Numeric   | 0 =No 1 =Yes   |
| tractsperinsp_inc_min  | 8      | option | More tracts per inspection, Minority Tester                           | Numeric   | 0 =No 1 =Yes   |
| tractsperinsp_inc_same | 8      | option | Same number of tracts per inspection, Both Testers                    | Numeric   | 0 =No 1 =Yes   |
| tractsperinsp_inc_wht  | 8      | option | More tracts per inspection, White Tester                              | Numeric   | 0 =No 1 =Yes   |
| tractsperrec_inc_min   | 8      | option | More tracts per homes told about, Minority Tester                     | Numeric   | 0 =No 1 =Yes   |
| tractsperrec_inc_same  | 8      | option | Same number of tracts per homes told about, Both Testers              | Numeric   | 0 =No 1 =Yes   |
| tractsperrec_inc_wht   | 8      | option | More tracts per homes told about, White Tester                        | Numeric   | 0 =No 1 =Yes   |
| wht_comment            | 8      | text   | Average comments per home made by agent, White Tester                 | Numeric   |  |
| wht_homesper           | 8      | text   | Number of homes told about per tract, White Tester                    | Numeric   |  |
| wht_homeval            | 8      | text   | Average of tract median home value for homes told about, White Tester | Numeric   |  |

HDS 2012 Codebook  
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| Variable Name     | Format | Length | Variable Label  | Type    | Allowable Values |
|-------------------|--------|--------|---|---------|------------------|
| wht_homeval_i     | 8      | text   | Average of tract median home value for homes inspected, White Tester                                | Numeric |                  |
| wht_income        | 8      | text   | Average tract income for homes told about, White Tester   | Numeric |                  |
| wht_income_i      | 8      | text   | Average tract income for homes inspected, White Tester  | Numeric |                  |
| wht_inspect       | 8      | text   | Number of tracts that homes were inspected in, White Tester   | Numeric |                  |
| wht_inspectper    | 8      | text   | Number of homes inspected per tract, White Tester   | Numeric |                  |
| wht_negmin        | 8      | text   | Number of negative comments made by agent about homes in minority neighborhoods to the White Tester | Numeric |                  |
| wht_negwht        | 8      | text   | Number of negative comments made by agent about homes in white neighborhoods to the White Tester    | Numeric |                  |
| wht_nonpoor       | 8      | text   | Average tract percentage nonpoor for homes told about, White Tester                                 | Numeric |                  |
| wht_nonpoor_i     | 8      | text   | Average tract percentage nonpoor for homes inspected, White Tester                                  | Numeric |                  |
| wht_pctasian      | 8      | text   | Average tract percentage Asian for homes told about, White Tester                                   | Numeric |                  |
| wht_pctasian_i    | 8      | text   | Average tract percentage Asian for homes inspected, White Tester                                    | Numeric |                  |
| wht_pctblack      | 8      | text   | Average tract percentage Black for homes told about, White Tester                                   | Numeric |                  |
| wht_pctblack_i    | 8      | text   | Average tract percentage Black for homes inspected, White Tester                                    | Numeric |                  |
| wht_pcthispanic   | 8      | text   | Average tract percentage Hispanic for homes told about, White Tester                                | Numeric |                  |
| wht_pcthispanic_i | 8      | text   | Average tract percentage Hispanic for homes inspected, White Tester                                 | Numeric |                  |
| wht_pctminority   | 8      | text   | Average tract percentage Minority for homes told about, White Tester                                | Numeric |                  |
| wht_pctminority_i | 8      | text   | Average tract percentage Minority for homes inspected, White Tester                                 | Numeric |                  |
| wht_pctowner      | 8      | text   | Average tract homeownership rate for homes told about, White Tester                                 | Numeric |                  |
| wht_pctowner_i    | 8      | text   | Average tract homeownership rate for homes inspected, White Tester                                  | Numeric |                  |
| wht_pctwhite      | 8      | text   | Average tract percentage White for homes told about, White Tester                                   | Numeric |                  |
| wht_pctwhite_i    | 8      | text   | Average tract percentage White for homes inspected, White Tester                                    | Numeric |                  |
| wht_posmin        | 8      | text   | Number of positive comments made by agent about homes in minority neighborhoods to the White Tester | Numeric |                  |

HDS 2012 Codebook  
 Data File: Steering\_intermediate

| Variable Name   | Format | Length | Variable Label   | Type    | Allowable Values |
|-----------------|--------|--------|--|---------|------------------|
| wht_poswht      | 8      | text   | Number of positive comments made by agent about homes in white neighborhoods to the White Tester | Numeric |                  |
| wht_sminsp      | 8      | text   | Total Homes Inspected, White Tester  | Numeric |                  |
| wht_stotunit    | 8      | text   | Total Homes Rec'd, White Tester  | Numeric |                  |
| wht_tracts      | 8      | text   | Number of tracts that homes were told about in, White Tester                                     | Numeric |                  |
| wht_tractspersp | 8      | text   | Number of tracts per homes told about, White Tester  | Numeric |                  |
| wht_tractsperec | 8      | text   | Number of tracts per homes inspected, White Tester   | Numeric |                  |

HDS 2012 Codebook  
Data File: Identifiability

| Variable Name  | Format | Length | Variable Label                | Type      | Allowable Values   |
|----------------|--------|--------|-------------------------------|-----------|--|
| InterviewType  | 8      | option | Type of review conducted      | Numeric   | 1 =Name and voice review 2 =Name, voice and photo review |
| Rank           | 3      | option | Identified race of tester     | Numeric   | 1 =Asian 2 =Black 3 =Hispanic 4 =White 5 =Don't know     |
| ResponseNumber | 6      | text   | Unique survey response number | Numeric   |  |
| Reviewer*      | 10     | text   | Username of reviewer          | Character |  |
| TesterID       | 5      | text   | HDS Tester ID                 | Character |  |

\*Redacted for public release

HDS 2012 Codebook  
Data File: Skintone

| <b>Variable Name</b> | <b>Format</b> | <b>Length</b> | <b>Variable Label</b> | <b>Type</b> | <b>Allowable Values</b>                             |
|----------------------|---------------|---------------|-----------------------|-------------|---|
| TesterID             | 5             | text          | TesterID              | Character   |   |
| skintone             | 3             | option        | Tester's Skin Tone    | Numeric     | 1 =Light 2= Somewhat light 3 =Somewhat dark 4 =Dark |