**EA Level Dataset Codebook**

Notes:

The study period incidence variable used in the final analysis is **ea\_incidence\_rate**, which is the EA-level incidence rate of 2017 local cases after the 8-week lead-in period in each EA. Its units are cases per 1000 person-years. See below calculation:

Variable for numerator: **ea\_local\_cases\_post\_8wks**

Variable for denominator: **ea\_person\_time\_years**

-------------------------------------------------------------------------------

ea\_no EA number

-------------------------------------------------------------------------------

type: numeric (long)

range: [10499003,10699032] units: 1

unique values: 102 missing .: 0/102

mean: 1.1e+07

std. dev: 64070.2

percentiles: 10% 25% 50% 75% 90%

1.0e+07 1.1e+07 1.1e+07 1.1e+07 1.1e+07

-------------------------------------------------------------------------------

ea\_actual (first) ea\_actual

-------------------------------------------------------------------------------

type: string (str4)

unique values: 56 missing "": 46/102

examples: ""

""

"RV01"

"TO24"

-------------------------------------------------------------------------------

intarm\_actual (first) intarm\_actual

-------------------------------------------------------------------------------

type: string (str2)

unique values: 4 missing "": 46/102

tabulation: Freq. Value

46 ""

14 "RO"

14 "RV"

14 "TO"

14 "TV"

-------------------------------------------------------------------------------

tpe (unlabeled)

-------------------------------------------------------------------------------

type: numeric (long)

label: tpe\_lab

range: [0,1] units: 1

unique values: 2 missing .: 46/102

tabulation: Freq. Numeric Label

28 0 R

28 1 T

46 .

-------------------------------------------------------------------------------

ravc (unlabeled)

-------------------------------------------------------------------------------

type: numeric (long)

label: ravc\_lab

range: [0,1] units: 1

unique values: 2 missing .: 46/102

tabulation: Freq. Numeric Label

28 0 O

28 1 V

46 .

-------------------------------------------------------------------------------

RO\_v\_TV (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 74/102

tabulation: Freq. Value

14 0

14 1

74 .

-------------------------------------------------------------------------------

ea\_type EA\_Type

-------------------------------------------------------------------------------

type: string (str5)

unique values: 2 missing "": 0/102

tabulation: Freq. Value

99 "Rural"

3 "Urban"

-------------------------------------------------------------------------------

ea\_sq\_m SQ\_M

-------------------------------------------------------------------------------

type: numeric (float)

range: [376941.22,2.469e+09] units: .01

unique values: 102 missing .: 0/102

mean: 9.4e+07

std. dev: 3.7e+08

percentiles: 10% 25% 50% 75% 90%

697143 1.4e+06 3.8e+06 1.1e+07 5.8e+07

-------------------------------------------------------------------------------

ea\_sq\_km SQ\_KM

-------------------------------------------------------------------------------

type: numeric (float)

range: [.38,2469.18] units: .01

unique values: 98 missing .: 0/102

mean: 93.5596

std. dev: 367.707

percentiles: 10% 25% 50% 75% 90%

.7 1.44 3.835 10.96 57.66

-------------------------------------------------------------------------------

ea\_ha HA

-------------------------------------------------------------------------------

type: numeric (float)

range: [37.69,246918.09] units: .01

unique values: 102 missing .: 0/102

mean: 9355.93

std. dev: 36770.8

percentiles: 10% 25% 50% 75% 90%

69.71 143.88 383.21 1096.02 5765.71

-------------------------------------------------------------------------------

region (unlabeled)

-------------------------------------------------------------------------------

type: string (str7)

unique values: 1 missing "": 0/102

tabulation: Freq. Value

102 "Caprivi"

-------------------------------------------------------------------------------

constituency (unlabeled)

-------------------------------------------------------------------------------

type: string (str8)

unique values: 3 missing "": 0/102

tabulation: Freq. Value

13 "Kongola"

57 "Linyanti"

32 "Sibbinda"

-------------------------------------------------------------------------------

elevmedianea EA elevation

-------------------------------------------------------------------------------

type: numeric (float)

range: [364.91519,1123.8446] units: .00001

unique values: 102 missing .: 0/102

mean: 599.014

std. dev: 173.337

percentiles: 10% 25% 50% 75% 90%

415.679 479.154 542.521 713.13 824.931

-------------------------------------------------------------------------------

meanprecmedianealag2 EA monthly rainfall for November 2016 - April 2017, mm

-------------------------------------------------------------------------------

type: numeric (float)

range: [.01835689,.02673277] units: 1.000e-09

unique values: 16 missing .: 0/102

mean: .023737

std. dev: .00226

percentiles: 10% 25% 50% 75% 90%

.020202 .022686 .023676 .025263 .026594

-------------------------------------------------------------------------------

medianevimedianealag2 EA EVI for January-July 2017

-------------------------------------------------------------------------------

type: numeric (float)

range: [.08365564,.30918342] units: 1.000e-09

unique values: 102 missing .: 0/102

mean: .145658

std. dev: .042021

percentiles: 10% 25% 50% 75% 90%

.100727 .117396 .134513 .167801 .197535

-------------------------------------------------------------------------------

medianndwimedianealag2 EA NDWI

-------------------------------------------------------------------------------

type: numeric (float)

range: [-.16480736,-.0295131] units: 1.000e-09

unique values: 102 missing .: 0/102

mean: -.09551

std. dev: .032044

percentiles: 10% 25% 50% 75% 90%

-.131952 -.116571 -.096487 -.074898 -.050724

-------------------------------------------------------------------------------

medianlstmedianealag2\_fixed EA daytime land surface temp

-------------------------------------------------------------------------------

type: numeric (float)

range: [28.580072,33.360931] units: 1.000e-06

unique values: 101 missing .: 0/102

mean: 30.9513

std. dev: 1.012

percentiles: 10% 25% 50% 75% 90%

29.6036 30.1938 30.9598 31.7493 32.3515

-------------------------------------------------------------------------------

ea\_pop\_update EA population

-------------------------------------------------------------------------------

type: numeric (float)

range: [42,687] units: 1

unique values: 88 missing .: 0/102

mean: 327.627

std. dev: 118.711

percentiles: 10% 25% 50% 75% 90%

189 258 329.5 389 448

-------------------------------------------------------------------------------

old\_pop\_size (unlabeled)

-------------------------------------------------------------------------------

type: numeric (int)

range: [100,583] units: 1

unique values: 84 missing .: 0/102

mean: 291.824

std. dev: 83.731

percentiles: 10% 25% 50% 75% 90%

185 247 285 334 398

-------------------------------------------------------------------------------

ea\_first\_case\_date (max) ea\_first\_case\_date\_pat

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [20821,20944] units: 1

or equivalently: [02jan2017,05may2017] units: days

unique values: 53 missing .: 1/102

mean: 20855.2 = 05feb2017 (+ 5 hours)

std. dev: 23.8608

percentiles: 10% 25% 50% 75% 90%

20827 20840 20849 20870 20884

08jan2017 21jan2017 30jan2017 20feb2017 06mar2017

-------------------------------------------------------------------------------

first\_intervention\_date\_2017 Date of first intv in EA

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [20837,20956] units: 1

or equivalently: [18jan2017,17may2017] units: days

unique values: 43 missing .: 27/102

mean: 20876.1 = 26feb2017 (+ 3 hours)

std. dev: 28.5594

percentiles: 10% 25% 50% 75% 90%

20844 20852 20872 20894 20919

25jan2017 02feb2017 22feb2017 16mar2017 10apr2017

-------------------------------------------------------------------------------

eight\_wks\_post\_intervention Date eight weeks after first intv date in EA

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [20893,20985] units: 1

or equivalently: [15mar2017,15jun2017] units: days

unique values: 37 missing .: 47/102

mean: 20925.7 = 16apr2017 (+ 17 hours)

std. dev: 24.3834

percentiles: 10% 25% 50% 75% 90%

20898 20907 20920 20941 20962

20mar2017 29mar2017 11apr2017 02may2017 23may2017

-------------------------------------------------------------------------------

study\_end\_date (unlabeled)

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [21184,21184] units: 1

or equivalently: [31dec2017,31dec2017] units: days

unique values: 1 missing .: 0/102

tabulation: Freq. Value

102 21184 31dec2017

-------------------------------------------------------------------------------

ea\_case\_2017 2017 cases (local and imported)

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,79] units: 1

unique values: 47 missing .: 1/102

mean: 22.7327

std. dev: 17.9036

percentiles: 10% 25% 50% 75% 90%

6 9 18 30 46

-------------------------------------------------------------------------------

ea\_local\_cases 2017 cases (local only)

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,77] units: 1

unique values: 42 missing .: 1/102

mean: 21.4257

std. dev: 16.7889

percentiles: 10% 25% 50% 75% 90%

5 8 17 28 44

-------------------------------------------------------------------------------

ea\_cases\_post\_eight\_weeks EA 2017 local&imported cases post 8wk window

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,51] units: 1

unique values: 25 missing .: 17/102

mean: 7.25882

std. dev: 10.7428

percentiles: 10% 25% 50% 75% 90%

0 0 3 11 23

-------------------------------------------------------------------------------

ea\_local\_cases\_post\_8wks EA 2017 local cases post 8wk window

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,51] units: 1

unique values: 25 missing .: 0/102

mean: 6

std. dev: 10.1338

percentiles: 10% 25% 50% 75% 90%

0 0 1 7 21

-------------------------------------------------------------------------------

ea\_time\_days Days from post 8wks to study end date

-------------------------------------------------------------------------------

type: numeric (float)

range: [199,291] units: 1

unique values: 37 missing .: 47/102

mean: 258.309

std. dev: 24.3834

percentiles: 10% 25% 50% 75% 90%

222 243 264 277 286

-------------------------------------------------------------------------------

ea\_time\_years Years from post 8wks to study end date

-------------------------------------------------------------------------------

type: numeric (float)

range: [.54520547,.79726028] units: 1.000e-08

unique values: 37 missing .: 47/102

mean: .707696

std. dev: .066804

percentiles: 10% 25% 50% 75% 90%

.608219 .665753 .723288 .758904 .783562

-------------------------------------------------------------------------------

ea\_person\_time\_years (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [50.400002,530.47125] units: 1.000e-06

unique values: 55 missing .: 47/102

mean: 241.483

std. dev: 91.4225

percentiles: 10% 25% 50% 75% 90%

145.184 175.808 239.847 291.797 347.079

-------------------------------------------------------------------------------

ea\_incidence\_rate study period EA local incidence taking

into account 8-week window

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,199.95375] units: 1.000e-07

unique values: 45 missing .: 47/102

mean: 34.4818

std. dev: 42.4997

percentiles: 10% 25% 50% 75% 90%

0 5.19573 21.4466 42.8541 102.252

-------------------------------------------------------------------------------

lp population offset for IRR-log of population

-------------------------------------------------------------------------------

type: numeric (float)

range: [3.7376697,6.5323343] units: 1.000e-07

unique values: 88 missing .: 0/102

mean: 5.71196

std. dev: .442068

percentiles: 10% 25% 50% 75% 90%

5.24175 5.55296 5.79758 5.96358 6.10479

-------------------------------------------------------------------------------

ravc\_2017\_firstdate (min) start\_time

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [18263,20986] units: 1

or equivalently: [01jan2010,16jun2017] units: days

unique values: 38 missing .: 55/102

mean: 20827 = 07jan2017 (+ 23 hours)

std. dev: 384.174

percentiles: 10% 25% 50% 75% 90%

20844 20851 20865 20906 20954

25jan2017 01feb2017 15feb2017 28mar2017 15may2017

-------------------------------------------------------------------------------

ea\_cases\_covered cases covered by an intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,64] units: 1

unique values: 34 missing .: 12/102

mean: 13.7556

std. dev: 14.4722

percentiles: 10% 25% 50% 75% 90%

1.5 4 9 18 36

-------------------------------------------------------------------------------

ea\_cases\_covered\_R cases covered by a RACD intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,64] units: 1

unique values: 23 missing .: 61/102

mean: 13.6098

std. dev: 14.6933

percentiles: 10% 25% 50% 75% 90%

1 4 9 16 34

-------------------------------------------------------------------------------

ea\_cases\_covered\_T cases covered by a TPE intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,54] units: 1

unique values: 22 missing .: 61/102

mean: 13

std. dev: 13.887

percentiles: 10% 25% 50% 75% 90%

1 4 7 17 29

-------------------------------------------------------------------------------

proportion\_ea\_cases\_covered (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [.5625,1] units: 1.000e-08

unique values: 28 missing .: 12/102

mean: .925713

std. dev: .122806

percentiles: 10% 25% 50% 75% 90%

.714286 .894737 1 1 1

-------------------------------------------------------------------------------

proportion\_ea\_cases\_covered\_R (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [.03571429,1] units: 1.000e-09

unique values: 27 missing .: 61/102

mean: .726853

std. dev: .265284

percentiles: 10% 25% 50% 75% 90%

.4 .5625 .823529 .933333 1

-------------------------------------------------------------------------------

proportion\_ea\_cases\_covered\_T (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [.02380952,1] units: 1.000e-09

unique values: 25 missing .: 61/102

mean: .758172

std. dev: .301856

percentiles: 10% 25% 50% 75% 90%

.266667 .571429 .894737 1 1

-------------------------------------------------------------------------------

mean\_nearest\_hh\_distance\_meters (mean) nearest\_hh\_distance\_meters

-------------------------------------------------------------------------------

type: numeric (float)

range: [24.409451,146.67387] units: 1.000e-06

unique values: 101 missing .: 1/102

mean: 45.2959

std. dev: 21.5491

percentiles: 10% 25% 50% 75% 90%

30.9617 33.261 38.2819 46.6169 64.7598

-------------------------------------------------------------------------------

mean\_hh\_distance\_to\_hf (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [320.31104,17175.203] units: .00001

unique values: 56 missing .: 46/102

mean: 5819.05

std. dev: 4540.26

percentiles: 10% 25% 50% 75% 90%

637.298 1875.02 5346.32 8163.63 13738.8

-------------------------------------------------------------------------------

geolocated\_cases (max) geolocated\_cases

-------------------------------------------------------------------------------

type: numeric (float)

range: [1,48] units: 1

unique values: 34 missing .: 1/102

mean: 14.4554

std. dev: 9.94638

percentiles: 10% 25% 50% 75% 90%

4 7 13 20 28

-------------------------------------------------------------------------------

proportion\_cases\_geolocated (mean) proportion\_cases\_geolocated

-------------------------------------------------------------------------------

type: numeric (float)

range: [.07142858,1] units: 1.000e-09

unique values: 65 missing .: 1/102

mean: .72061

std. dev: .221767

percentiles: 10% 25% 50% 75% 90%

.435897 .576923 .714286 .923077 1

-------------------------------------------------------------------------------

median\_time\_to\_int (max) median\_time\_to\_int

-------------------------------------------------------------------------------

type: numeric (float)

range: [6,34] units: .1

unique values: 34 missing .: 7/102

mean: 15.6474

std. dev: 6.06168

percentiles: 10% 25% 50% 75% 90%

9 11 14 20 25

-------------------------------------------------------------------------------

med\_households\_enrolled\_per\_intv (p 50) households\_enrolled\_per\_intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [3,11] units: .1

unique values: 16 missing .: 47/102

mean: 7.11818

std. dev: 1.90264

percentiles: 10% 25% 50% 75% 90%

5 6 7 8.5 10

-------------------------------------------------------------------------------

med\_indivs\_enrolled\_per\_intv (p 50) individuals\_enrolled\_per\_intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [19.5,45.5] units: .1

unique values: 29 missing .: 47/102

mean: 29.6909

std. dev: 6.17829

percentiles: 10% 25% 50% 75% 90%

21 26 29 34 36

-------------------------------------------------------------------------------

proportion\_ea\_hh\_ravc (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.69999999] units: 1.000e-10

unique values: 48 missing .: 0/102

mean: .118249

std. dev: .194146

percentiles: 10% 25% 50% 75% 90%

0 0 0 .208955 .464286

-------------------------------------------------------------------------------

proportion\_ea\_pop\_recieved\_TPE (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.9072848] units: 1.000e-10

unique values: 65 missing .: 0/102

mean: .128254

std. dev: .225054

percentiles: 10% 25% 50% 75% 90%

0 0 .008787 .118598 .584848

-------------------------------------------------------------------------------

proportion\_local\_cases (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [.5,1] units: 1.000e-08

unique values: 28 missing .: 1/102

mean: .970365

std. dev: .075967

percentiles: 10% 25% 50% 75% 90%

.913043 .965517 1 1 1

-------------------------------------------------------------------------------

proportion\_male\_enrolled (max) proportion\_male\_enrolled

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1.000e-08

unique values: 66 missing .: 24/102

mean: .441494

std. dev: .127542

percentiles: 10% 25% 50% 75% 90%

.333333 .391304 .436492 .482143 .530769

-------------------------------------------------------------------------------

mean\_ea\_hh\_size (mean) mean\_ea\_hh\_size

-------------------------------------------------------------------------------

type: numeric (float)

range: [2,17] units: 1.000e-07

unique values: 67 missing .: 26/102

mean: 4.38814

std. dev: 1.63164

percentiles: 10% 25% 50% 75% 90%

3.35714 3.85145 4.16126 4.79286 5.14

-------------------------------------------------------------------------------

mohss\_first\_date (first) mohss\_first\_date

-------------------------------------------------------------------------------

type: string (str9)

unique values: 33 missing "": 26/102

examples: ""

"10apr2017"

"20mar2017"

"24mar2017"

-------------------------------------------------------------------------------

mohss\_treated\_breeding\_sites (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 0/102

tabulation: Freq. Value

43 0

59 1

-------------------------------------------------------------------------------

mohss\_spray (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 0/102

tabulation: Freq. Value

30 0

72 1

-------------------------------------------------------------------------------

mohss\_racd (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 0/102

tabulation: Freq. Value

27 0

75 1

-------------------------------------------------------------------------------

mohss\_any (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 0/102

tabulation: Freq. Value

27 0

75 1

-------------------------------------------------------------------------------

mohss\_ea\_tested (max) ea\_tested

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,298] units: 1

unique values: 42 missing .: 0/102

mean: 46.3529

std. dev: 80.7181

percentiles: 10% 25% 50% 75% 90%

0 0 1 69 173

-------------------------------------------------------------------------------

mohss\_ea\_positive (max) ea\_positive

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,13] units: 1

unique values: 11 missing .: 0/102

mean: 1.12745

std. dev: 2.47231

percentiles: 10% 25% 50% 75% 90%

0 0 0 0 5

-------------------------------------------------------------------------------

mohss\_ea\_treated (max) ea\_treated

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,400] units: 1

unique values: 40 missing .: 0/102

mean: 39.7843

std. dev: 74.7069

percentiles: 10% 25% 50% 75% 90%

0 0 3 40 151

-------------------------------------------------------------------------------

mohss\_ea\_enrolled (max) ea\_enrolled

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,463] units: 1

unique values: 70 missing .: 0/102

mean: 90.951

std. dev: 99.8448

percentiles: 10% 25% 50% 75% 90%

0 2 54.5 154 239

-------------------------------------------------------------------------------

mohss\_spray\_coverage\_ea (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [.02941177,1] units: 1.000e-09

unique values: 68 missing .: 0/102

mean: .752246

std. dev: .244358

percentiles: 10% 25% 50% 75% 90%

.425 .588608 .779286 1 1

-------------------------------------------------------------------------------

mohss\_distance\_500m prop households in EA within 500m of mohss intv

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1.000e-09

unique values: 66 missing .: 0/102

mean: .583922

std. dev: .392664

percentiles: 10% 25% 50% 75% 90%

0 .142857 .695101 .945055 1

-------------------------------------------------------------------------------

mohss\_structures\_sprayed\_2016 (sum) total\_structures\_sprayed\_2016

-------------------------------------------------------------------------------

type: numeric (double)

range: [0,481.91666] units: 1.000e-13

unique values: 67 missing .: 26/102

mean: 117.1

std. dev: 116.254

percentiles: 10% 25% 50% 75% 90%

10 22.0417 60.7361 187.225 276.667

-------------------------------------------------------------------------------

mohss\_struct\_spray\_2017\_outbreak (sum) total\_sprayed\_during\_2017\_outbre

-------------------------------------------------------------------------------

type: numeric (double)

range: [0,89.28333] units: 1.000e-13

unique values: 63 missing .: 26/102

mean: 16.3676

std. dev: 19.5673

percentiles: 10% 25% 50% 75% 90%

.83333 2 8.375 27.9167 37.4881

-------------------------------------------------------------------------------

mohss\_breeding\_sites\_identified (sum) breeding\_sites\_identified

-------------------------------------------------------------------------------

type: numeric (double)

range: [0,31] units: 1.000e-16

unique values: 46 missing .: 26/102

mean: 3.21919

std. dev: 4.83423

percentiles: 10% 25% 50% 75% 90%

0 .2 2 4.70239 7.55953

-------------------------------------------------------------------------------

mohss\_breeding\_sites\_treated (sum) breeding\_sites\_treated

-------------------------------------------------------------------------------

type: numeric (double)

range: [0,122.57143] units: 1.000e-13

unique values: 42 missing .: 26/102

mean: 4.53389

std. dev: 14.5371

percentiles: 10% 25% 50% 75% 90%

0 .16667 1.25 4 7.83333

-------------------------------------------------------------------------------

ea\_cases\_2016 (max) ea\_cases\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,90] units: 1

unique values: 33 missing .: 0/102

mean: 9.70588

std. dev: 14.6812

percentiles: 10% 25% 50% 75% 90%

0 1 5 13 24

-------------------------------------------------------------------------------

ea\_local\_case\_2016 (max) ea\_local\_case\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,88] units: 1

unique values: 30 missing .: 0/102

mean: 8.68627

std. dev: 13.8306

percentiles: 10% 25% 50% 75% 90%

0 1 4 11 20

-------------------------------------------------------------------------------

ea\_incidence\_2016 2016 local incidence using old pop size

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,315.31531] units: 1.000e-07

unique values: 81 missing .: 0/102

mean: 30.6902

std. dev: 51.2266

percentiles: 10% 25% 50% 75% 90%

0 3.367 13.6709 40 74.5501

-------------------------------------------------------------------------------

households\_sprayed\_2016 (sum) households\_sprayed\_2016

-------------------------------------------------------------------------------

type: numeric (double)

range: [0,27] units: 1

unique values: 9 missing .: 0/102

tabulation: Freq. Value

90 0

2 4

2 5

1 6

3 7

1 8

1 9

1 11

1 27

-------------------------------------------------------------------------------

ravc\_2016\_date (min) ravc\_2016\_date

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [20555,20682] units: 1

or equivalently: [11apr2016,16aug2016] units: days

unique values: 12 missing .: 90/102

mean: 20587 = 13may2016

std. dev: 36.4866

percentiles: 10% 25% 50% 75% 90%

20557 20558.5 20581 20601.5 20613

13apr2016 14apr2016 07may2016 27may2016 08jun2016

-------------------------------------------------------------------------------

date\_first\_intervention\_2016 (min) date\_first\_intervention\_2016

-------------------------------------------------------------------------------

type: numeric daily date (float)

range: [20488,20639] units: 1

or equivalently: [04feb2016,04jul2016] units: days

unique values: 26 missing .: 71/102

mean: 20552.6 = 08apr2016 (+ 15 hours)

std. dev: 39.8527

percentiles: 10% 25% 50% 75% 90%

20513 20521 20543 20591 20612

29feb2016 08mar2016 30mar2016 17may2016 07jun2016

-------------------------------------------------------------------------------

ea\_2016 (first) ea\_2016

-------------------------------------------------------------------------------

type: string (str4)

unique values: 22 missing "": 71/102

examples: ""

""

""

"RV32"

-------------------------------------------------------------------------------

ea\_tested\_2016 (max) ea\_tested\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,113] units: 1

unique values: 21 missing .: 0/102

mean: 7.92157

std. dev: 20.6007

percentiles: 10% 25% 50% 75% 90%

0 0 0 2 28

-------------------------------------------------------------------------------

ea\_positive\_2016 (max) ea\_positive\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,4] units: 1

unique values: 5 missing .: 0/102

tabulation: Freq. Value

89 0

7 1

3 2

1 3

2 4

-------------------------------------------------------------------------------

ea\_treated\_2016 (max) ea\_treated\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,135] units: 1

unique values: 15 missing .: 0/102

mean: 4.51961

std. dev: 16.7242

percentiles: 10% 25% 50% 75% 90%

0 0 0 0 4

-------------------------------------------------------------------------------

ea\_screened\_2016 (max) ea\_screened\_2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,145] units: 1

unique values: 26 missing .: 0/102

mean: 12.2843

std. dev: 26.0454

percentiles: 10% 25% 50% 75% 90%

0 0 0 16 45

-------------------------------------------------------------------------------

cases2012 (unlabeled)

-------------------------------------------------------------------------------

type: numeric (byte)

range: [0,15] units: 1

unique values: 14 missing .: 46/102

mean: 3.5

std. dev: 4.10764

percentiles: 10% 25% 50% 75% 90%

0 0 2 5.5 11

-------------------------------------------------------------------------------

incidence\_cases2012 (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.10377359] units: 1.000e-09

unique values: 36 missing .: 46/102

mean: .012763

std. dev: .02024

percentiles: 10% 25% 50% 75% 90%

0 0 .005231 .016946 .032129

-------------------------------------------------------------------------------

cases2013 cases in 2013

-------------------------------------------------------------------------------

type: numeric (byte)

range: [0,28] units: 1

unique values: 21 missing .: 46/102

mean: 6.44643

std. dev: 7.38037

percentiles: 10% 25% 50% 75% 90%

0 0 4 9.5 16

-------------------------------------------------------------------------------

incidence\_cases2013 2013 incidence

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.09090909] units: 1.000e-09

unique values: 40 missing .: 46/102

mean: .020975

std. dev: .025552

percentiles: 10% 25% 50% 75% 90%

0 0 .008466 .035892 .064257

-------------------------------------------------------------------------------

cases2014 cases in 2014

-------------------------------------------------------------------------------

type: numeric (byte)

range: [0,36] units: 1

unique values: 24 missing .: 46/102

mean: 8.07143

std. dev: 9.49422

percentiles: 10% 25% 50% 75% 90%

0 0 5 11 23

-------------------------------------------------------------------------------

incidence\_cases2014 2014 incidence

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.10954063] units: 1.000e-09

unique values: 41 missing .: 46/102

mean: .025951

std. dev: .032437

percentiles: 10% 25% 50% 75% 90%

0 0 .011108 .04057 .082781

-------------------------------------------------------------------------------

incidence\_cases2016 (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.27863777] units: 1.000e-09

unique values: 44 missing .: 46/102

mean: .031999

std. dev: .050999

percentiles: 10% 25% 50% 75% 90%

0 .003509 .012459 .035622 .098485

-------------------------------------------------------------------------------

average\_annual\_incidence (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,.10216718] units: 1.000e-09

unique values: 52 missing .: 46/102

mean: .022922

std. dev: .026337

percentiles: 10% 25% 50% 75% 90%

.000947 .003128 .011101 .036001 .070565

-------------------------------------------------------------------------------

transmission\_intensity (unlabeled)

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,1] units: 1

unique values: 2 missing .: 0/102

tabulation: Freq. Value

27 0

75 1

-------------------------------------------------------------------------------

cumulative\_incidence\_2016 Cumulative incidence over 2013, 2014, and 2016

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,135.19092] units: 1.000e-07

unique values: 53 missing .: 46/102

mean: 26.3084

std. dev: 31.1121

percentiles: 10% 25% 50% 75% 90%

1.26263 3.10022 12.835 37.1246 72.327

-------------------------------------------------------------------------------

cumulative\_incidence\_2014 Cumulative incidence 2013-2014

-------------------------------------------------------------------------------

type: numeric (float)

range: [0,80.188683] units: 1.000e-07

unique values: 48 missing .: 46/102

mean: 23.4629

std. dev: 26.6718

percentiles: 10% 25% 50% 75% 90%

0 2.10939 10.1649 35.9619 77.1429