

ANNEX 2: DATA CLEANING AT THE SKU LEVEL

use skus-systemic-anti-bacterial-s-zonal-monthly-1999-2000.dta, clear

*DROP INJECTIBLES, WHICH ARE MAINLY USED IN HOSPITALS

drop if skufrm=="INJ"

drop if skufrm=="INF"

*DATA CLEANING BASED ON VISUAL INSPECTION OF SKU DESCRIPTIONS

sort skufrm api prdcode

replace skufrm = "INJ" in 1

replace skufrm = "INJ" in 2

replace skustr = 1000 in 320

replace skuapiq = 4000 in 320

replace skuapiq = .0057625 in 320

replace skustr = 1000 in 323

replace skuapiq = 4000 in 323

replace skustr = 500 in 322

replace skuapiq = 5000 in 322

sort skudesc skufrm api prdcode

replace skustr = 250 in 3

replace skustr = 250 in 4

replace skustr = 250 in 5

replace skustr = 250 in 6

replace skustr = 250 in 7

replace skustr = 250 in 8

replace skustr = 250 in 9

replace skustr = 250 in 10

replace skustr = 250 in 11

replace skustr = 250 in 12

replace skustr = 250 in 13

replace skustr = 250 in 14

replace skustr = 250 in 15

replace skustr = 250 in 16

replace skustr = 250 in 17

replace skustr = 250 in 18

replace skustr = 250 in 19

replace skustr = 250 in 20

replace skustr = 250 in 21

replace skustr = 250 in 22

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replace skustr = 250 in 36

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replace skustr = 250 in 38

replace skustr = 250 in 39

replace skustr = 250 in 40

replace skustr = 250 in 41

replace skustr = 250 in 42

replace skustr = 250 in 43

replace skustr = 250 in 44

replace skustr = 250 in 45

replace skustr = 250 in 46

replace skustr = 250 in 47

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repl ace skustr = 250 in 48
repl ace skustr = 250 in 49
repl ace skustr = 250 in 50
repl ace skustr = 250 in 51
repl ace skustr = 250 in 52
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repl ace skustr = 250 in 69
repl ace skustr = 250 in 70
repl ace skustr = 250 in 71
repl ace skustr = 250 in 72
repl ace skustr = 250 in 73
repl ace skustr = 250 in 74
repl ace skustr = 250 in 9042
repl ace skustr = 150 in 75
repl ace skustr = 150 in 76
repl ace skustr = 150 in 77
repl ace skustr = 150 in 78
repl ace skustr = 150 in 79
repl ace skustr = 150 in 80
repl ace skustr = 150 in 81
repl ace skustr = 150 in 82
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repl ace skustr = 150 in 84
repl ace skustr = 150 in 85
repl ace skustr = 150 in 86
repl ace skustr = 150 in 87
repl ace skustr = 150 in 88
repl ace skustr = 150 in 89
repl ace skustr = 150 in 90
repl ace skustr = 150 in 91
repl ace skustr = 150 in 92
repl ace skustr = 150 in 93
repl ace skustr = 150 in 94
repl ace skustr = 150 in 95
repl ace skustr = 150 in 96
repl ace skustr = 150 in 97

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sort api skudesc skufm prdcode

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repl ace api ="CEFOTAXIME" i f prdcode==515
repl ace api ="CEFACLOR" i f prdcode==2983
repl ace api ="CEFACLOR" i f api ="CAFACLOR"
repl ace api ="CEFACLOR" i f prdcode==8282
repl ace api ="CLINDAMYCIN" i f prdcode==6352
repl ace api ="CLINDAMYCIN" i f prdcode==7820
repl ace api ="CLINDAMYCIN" i f prdcode==4471
repl ace api ="NALIDIXIC ACID" i f prdcode==7480
repl ace api ="LINCOMYCIN" i f prdcode==10672
repl ace api ="NEOMYCIN SULPHATE" i f prdcode==10416
repl ace api ="ETHAMBUTOL" i f prdcode==440
repl ace api ="CEFIXIME" i f prdcode==3690
repl ace api ="CEFIXIME" i f prdcode==4748
repl ace api ="RIFAMPICIN" i f prdcode==7885
repl ace mul tapi 1="RIFAMPICIN" i f prdcode==7885
repl ace mul tapi 2="ISONICOTINIC ACID HYDRAZIDE" i f prdcode==7885
repl ace mul tapi 3="ETHAMBUTOL" i f prdcode==7885
repl ace api ="RIFAMPICIN" i f prdcode==7886

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replace mul tapi 1="RIFAMPICIN" if prdcode==7886
replace mul tapi 2="ISONICOTINIC ACID HYDRAZIDE" if prdcode==7886
replace mul tapi 3="ETHAMBUTOL" if prdcode==7886
replace api = "CEFOTAXIME" in 35
replace singapi = 1 in 35
replace api = "CEFOTAXIME" in 1
replace singapi = 1 in 1
replace api = "ETHIONAMIDE" in 317
replace singapi = 1 in 317
replace api = "NALIDIXIC ACID" in 374
replace singapi = 1 in 374
replace api = "RIFAMPICIN" in 506
replace singapi = 0 in 506
replace mul tapi 1 = "ISONIAZID" in 506
replace mul tapi 2 = "ISONIAZID" in 506
replace mul tapi 1 = "RIFAMPICIN" in 506
replace api = "RIFAMPICIN" in 532
replace singapi = 0 in 532
replace mul tapi 1 = "RIFAMPICIN" in 532
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 532
replace mul tapi 3 = "PYRAZINAMIDE" in 532
replace mul tapi 4 = "ETHAMBUTOL" in 532
replace api = "RIFAMPICIN" in 628
replace singapi = 0 in 628
replace mul tapi 1 = "RIFAMPICIN" in 628
replace mul tapi 2 = "ISONIAZID" in 628
replace api = "RIFAMPICIN" in 724
replace singapi = 0 in 724
replace mul tapi 1 = "RIFAMPICIN" in 724
replace mul tapi 2 = "ISONIAZID" in 724
replace api = "RIFAMPICIN" in 756
replace singapi = 0 in 756
replace mul tapi 1 = "RIFAMPICIN" in 756
replace mul tapi 2 = "ISONIAZID" in 756
replace api = "CEFUROXIME" in 850
replace singapi = 0 in 850
replace mul tapi 1 = "CEFUROXIME" in 850
replace api = "LEVOFLOXACIN" in 874
replace singapi = 1 in 874
replace api = "RIFAMPICIN" in 930
replace singapi = 0 in 930
replace mul tapi 1 = "RIFAMPICIN" in 930
replace mul tapi 2 = "ISONIAZID" in 930
replace api = "CEFIXIME" in 967
replace singapi = 1 in 967
replace api = "ERYTHROMYCIN" in 982
replace singapi = 0 in 982
replace mul tapi 1 = "ERYTHROMYCIN" in 982
replace mul tapi 2 = "BROMHEXINE" in 982
replace api = "CEFIXIME" in 1074
replace singapi = 1 in 1074
replace api = "PENICILLIN-G" in 1210
replace singapi = 1 in 1210
replace api = "PENICILLIN" in 1210
replace api = "CEFACLOR" in 1338
replace singapi = 1 in 1338
replace api = "CLINDAMYCIN" in 1402
replace singapi = 1 in 1402
replace api = "ODOCHLOROXYQUIN" in 1601
replace singapi = 1 in 1601
replace api = "ISONIAZID" in 1783
replace singapi = 1 in 1783
replace api = "CLINDAMYCIN" in 1976
replace singapi = 1 in 1976
replace api = "RIFAMPICIN" in 2028
replace singapi = 0 in 2028
replace mul tapi 1 = "RIFAMPICIN" in 2028
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 2028
replace mul tapi 3 = "ETHAMBUTOL" in 2028
replace api = "RIFAMPICIN" in 2118
replace singapi = 0 in 2118
replace mul tapi 1 = "RIFAMPICIN" in 2118

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replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 2118
replace mul tapi 3 = "ETHAMBUTOL" in 2118
replace api = "RIFAMPICIN" in 2229
replace singapi = 0 in 2229
replace mul tapi 1 = "RIFAMPICIN" in 2229
replace mul tapi 2 = "ISONIAZID" in 2229
replace mul tapi 3 = "PYRAZINAMIDE" in 2229
replace api = "NALIDIXIC ACID" in 2379
replace singapi = 1 in 2379
replace api = "NEOMYCIN" in 2440
replace singapi = 1 in 2440
replace api = "RIFAMPICIN" in 2504
replace singapi = 0 in 2504
replace mul tapi 1 = "RIFAMPICIN" in 2504
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 2504
replace mul tapi 3 = "PYRAZINAMIDE" in 2504
replace mul tapi 4 = "ETHAMBUTOL" in 2504
replace api = "RIFAMPICIN" in 2588
replace singapi = 0 in 2588
replace mul tapi 1 = "RIFAMPICIN" in 2588
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 2588
replace mul tapi 3 = "PYRAZINAMIDE" in 2588
replace mul tapi 4 = "ETHAMBUTOL" in 2588
replace api = "RIFAMPICIN" in 1544
replace singapi = 0 in 1544
replace mul tapi 1 = "RIFAMPICIN" in 1544
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 1544
replace mul tapi 3 = "PYRAZINAMIDE" in 1544
replace mul tapi 4 = "ETHAMBUTOL" in 1544
replace mul tapi 4 = "" in 2588
replace api = "RIFAMPICIN" in 2684
replace singapi = 0 in 2684
replace mul tapi 1 = "RIFAMPICIN" in 2684
replace mul tapi 2 = "ISONICOTINIC ACID HYDRAZIDE" in 2684
replace mul tapi 3 = "PYRAZINAMIDE" in 2684
replace mul tapi 4 = "ETHAMBUTOL" in 2684
replace api ="CEFACLOR" if api ="CAFACLOR"

replace api ="ERYTHROMYCIN" if api ="ERYTHROMYCIN ACI STRATE"
replace api ="CEFUROXIME" if api ="CEFUROXIME AXETIL"
replace api ="CEFUROXIME" if api ="CEFUROXIME SODIUM"
replace api ="CLOXACILLIN" if api ="CLOXACILLIN SODIUM"
replace singapi = 0 if ts4d ="J 4A6"
replace mul tapi 1 ="RIFAMPICIN" if ts4d ="J 4A6"
replace skustr = 500 if skustr == 499
replace skuapi q = skusi z * skustr
replace skustr = 250 if skustr == 249
replace skuapi q = skusi z * skustr
replace skustr = 50 if skustr == 49
replace skuapi q = skusi z * skustr
replace skustr = 200 if skustr == 199
replace skuapi q = skusi z * skustr
replace skustr = 100 if skustr == 99
replace skuapi q = skusi z * skustr
replace skustr = 125 if skustr == 124
replace skustr = 300 if skustr == 299

replace skustr = 333 if skustr == 332
replace skuapi q = skusi z * skustr
replace skuapi p = 1000 * (skupri ce / skuapi q)
replace api = "TETRACYCLINE HCL" if api = "OXYTETRACYCLINE HCL"
replace api = "MINOCYCLINE" if brand = "CYNOMYCIN"
replace skustr = 150 if skustr == 149
replace skustr = 125 if skustr == 124
replace skuapi q = skusi z * skustr
replace skuapi p = 1000 * (skupri ce / skuapi q)
replace skustr = 50 in 4295
replace skustr = 50 in 4296
replace skustr = 50 in 4297
replace skustr = 50 in 4298
replace skustr = 50 in 4299
replace skustr = 50 in 4300

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replace skustr = 50 in 4301
replace skustr = 50 in 4302
replace skustr = 50 in 4303
replace skustr = 50 in 4304
replace skustr = 50 in 4305
replace skustr = 50 in 4306
replace skustr = 50 in 4307
replace skustr = 50 in 4308
replace skustr = 50 in 4309
replace skustr = 50 in 4310
replace skustr = 50 in 4311
replace skustr = 50 in 4312
replace skustr = 50 in 4313
replace skustr = 50 in 4314
replace skustr = 50 in 4315
replace skustr = 50 in 4316
replace skustr = 50 in 4317
replace skustr = 50 in 4318
replace skustr = 50 in 4319
replace skustr = 50 in 4320
replace skustr = 50 in 4321
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replace skustr = 50 in 4323
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replace skustr = 50 in 4330
replace skustr = 50 in 4331
replace skustr = 50 in 4332
replace skustr = 50 in 4333
replace skustr = 50 in 4334
replace skustr = 50 in 4335
replace skustr = 50 in 4336
replace skustr = 50 in 4337
replace skustr = 50 in 4338
replace skustr = 50 in 4339
replace skustr = 50 in 4340
replace skustr = 50 in 4341
replace skustr = 50 in 4342
replace skustr = 50 in 4343
replace skustr = 50 in 4344
replace skustr = 50 in 4345
replace skustr=1.25 if skucode=="JAB2P0302671"

replace skustr = 1.25 in 8123
replace skustr = 1.25 in 8124
replace skustr = 1.25 in 8125
replace skustr = 1.25 in 8126
replace skustr = 1.25 in 8127
replace skustr = 1.25 in 8128
replace skustr = 25 in 7740
replace skustr = 25 in 7741
replace skustr = 25 in 7742
replace skustr = 25 in 7743
replace skustr = 25 in 7744
replace skustr = 25 in 7745
replace skustr = 25 in 7746
replace skustr = 25 in 7747
replace skustr = 25 in 7748
replace skustr = 25 in 7749
replace skustr = 25 in 7750
replace skustr = 25 in 7751
replace skustr = 25 in 7752
replace skustr = 25 in 7753
replace skustr = 25 in 7754
replace skustr = 25 in 7755
replace skustr = 25 in 7756

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replace skustr = 25 in 7757
replace skustr = 25 in 7758
replace skustr = 25 in 7759
replace skustr = 25 in 7760
replace skustr = 25 in 7761
replace skustr = 25 in 7762
replace skustr = 25 in 7763
replace skustr = 25 in 7764
replace skustr = 25 in 7765
replace skustr = 25 in 7766
replace skustr = 25 in 7767
replace skustr = 25 in 7768
replace skustr = 25 in 7769
replace skustr = 25 in 7770
replace skustr = 25 in 7771
replace skustr = 25 in 7772
replace skustr = 25 in 7773
replace skustr = 25 in 7774
replace skustr = 25 in 7775
replace skustr = 25 in 7776
replace skustr = 25 in 7777
replace skustr = 25 in 7778
replace skustr = 25 in 7779
replace skustr = 25 in 7780
replace skustr = 25 in 7781
replace skustr = 25 in 7782
replace skustr = 25 in 7783
replace skustr = 25 in 7784
replace skustr=skustr/5 if skufm=="SUS" & skustr==125

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*NOTE: for "SUS" dosage form, convention appears to be that when packet description is: "125 MG 50 ML", that implies that: "125MG/5ML x 50ML". Hence for skustr, put in NOT 125MG but 25MG/ML.

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replace skustr=25 if skucode=="JAB2N05109D1"
replace skustr=25 if skufm=="SUS" & skustr==1.25
replace skustr = 25 in 8123
replace skustr = 25 in 8124
replace skustr = 25 in 8125
replace skustr = 25 in 8126
replace skustr = 25 in 8127
replace skustr = 25 in 8128
replace skustr = 35 in 8129
replace skustr = 25 in 8130
replace skustr = 25 in 8131
replace skustr = 25 in 8132
replace skustr = 25 in 8133
replace skustr = 25 in 8134
replace skustr = 25 in 8135
replace skustr = 25 in 8136
replace skustr = 25 in 8137
replace skustr = 35 in 8138
replace skustr = 35 in 8139
replace skustr = 35 in 8140
replace skustr = 25 in 8141
replace skustr = 35 in 8142
replace skustr = 25 in 8143
replace skustr = 35 in 8144
replace skustr = 25 in 8145
replace skustr = 25 in 8146
replace skustr = 25 in 8147
replace skustr = 35 in 8148
replace skustr = 25 in 8149
replace skustr = 25 in 8150
replace skustr = 25 in 8152
replace skustr = 25 in 8153
replace skustr = 25 in 8154
replace skustr = 25 in 8155
replace skustr = 25 in 8157
replace skustr = 25 in 8158
replace skustr = 25 in 8159
replace skustr = 25 in 8163
replace skustr = 25 in 8164

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replace skustr = 35 in 8165
replace skustr = 25 in 8166
replace skustr = 35 in 8167
replace skustr = 25 in 8170
replace skustr = 35 in 8171
replace skustr = 35 in 8173
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replace skustr = 25 in 8206
replace skustr = 25 in 8207
replace skustr = 25 in 8208
replace skustr = 25 in 8209
replace skustr = 25 in 8210
replace skustr = 25 in 8211
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replace skustr = 25 in 8215
replace skustr = 25 in 8216
replace skustr = 35 in 8217
replace skustr = 35 in 8219
replace skustr = 25 in 8220
replace skustr = 35 in 8221
replace skustr = 25 in 8224
replace skustr = 35 in 8226
replace skustr = 35 in 8227
replace skustr = 25 in 8228
replace skustr = 25 in 8229
replace skustr = 35 in 8230
replace skustr = 25 in 8231
replace skustr = 35 in 8232
replace skustr = 25 in 8232
replace skustr = 35 in 8233
replace skustr = 25 in 8236
replace skustr = 35 in 8237
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replace skustr = 35 in 8246
replace skustr = 25 in 8248
replace skustr = 35 in 8251
replace skustr = 35 in 8254
replace skustr = 35 in 8255
replace skustr = 25 in 8256
replace skustr = 25 in 8257
replace skustr = 25 in 8258
replace skustr = 35 in 8259
replace skustr = 25 in 8262
replace skustr = 35 in 8263
replace skustr = 25 in 8264
replace skustr = 25 in 8265

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replace skustr = 25 in 8267
replace skustr = 35 in 8268
replace skustr = 35 in 8269
replace skustr = 35 in 8270
replace skustr = 35 in 8271
replace skustr = 25 in 8272
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replace skustr = 25 in 8275
replace skustr = 35 in 8276
replace skustr = 25 in 8277
replace skustr = 25 in 8278
replace skustr = 35 in 8279
replace skustr = 35 in 8280
replace skustr = 25 in 8282
replace skustr = 35 in 8283
replace skustr = 35 in 8284
replace skustr = 25 in 8287
replace skustr = 25 in 8290
replace skustr = 35 in 8292
replace skustr = 25 in 8294
replace skustr = 25 in 8295
replace skustr = 25 in 8297
replace skustr = 35 in 8298
replace skustr = 35 in 8299
replace skustr = 25 in 8300
replace skustr = 25 in 8301
replace skustr = 35 in 8303
replace skustr = 35 in 8305
replace skustr = 25 in 8307
replace skustr = 35 in 8308
replace skustr = 35 in 8309
replace skustr = 25 in 8309
replace skustr = 25 in 8310
replace skustr = 35 in 8311
replace skustr = 25 in 8312
replace skustr = 25 in 8313
replace skustr = 35 in 8316
replace skustr = 25 in 8317
replace skustr = 25 in 8318
replace skustr = 25 in 8319
replace skustr = 35 in 8320
replace skustr = 25 in 8321
replace skustr = 25 in 8325
replace skustr = 25 in 8327
replace skustr = 25 in 8328
replace skustr = 35 in 8329
replace skustr = 25 in 8330
replace skustr = 35 in 8332
replace skustr = 25 in 8336
replace skustr = 25 in 8337
replace skustr = 25 in 8338
replace skustr=skustr/5 if skufrm=="SYR" & skustr==125
replace skustr=25 if skucode=="JAB2D0504145"
replace skuapi q=skusi z*skustr
replace skuapi p=1000*(skupri ce/skuapi q)
replace skustr=skustr/5 if skufrm=="SYR" & skustr==250
replace skustr=skustr/5 if skufrm=="SUS" & skustr==250
replace skustr=25 if skucode=="JAC2R0700141"
replace skustr = 25 in 32324
replace skustr = 25 in 32325
replace skustr=skustr/5 if skufrm=="LIQ" & skustr==125

replace skustr=250 if skucode=="JACAM2300122"
replace skustr=250 if skucode=="JACDA0200121"
replace skustr=250 if skucode=="JACDA0800121"
replace skustr=125 if skucode=="JACDA0800121"
replace skustr=125 if skucode=="JACDB1700111"
replace skustr = 100 in 45828
replace skustr = 100 in 45829
replace skuapi q=skusi z*skustr
replace skustr = 50 in 45828
replace skustr = 50 in 45829

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replace skustr=125 if skucode=="JACFF4100111"
replace skustr=156/5 if skufrm=="SYR" & skustr==155
replace skustr=156/5 if skufrm=="SYR" & skustr==156
replace skustr=156/5 if skufrm=="SUS" & skustr==156
replace skustr=156/5 if skufrm=="SUS" & skustr==155
replace skustr = 25 in 31672
replace skustr = 25 in 31673
replace skustr=375/5 if skufrm=="SYR" & skustr==375
replace skustr=288/5 if skufrm=="SYR" & skustr==288
replace skustr=288/5 if skufrm=="SYR" & skustr==228
replace skustr=288/5 if skufrm=="SYR" & skustr==227
replace skustr=31.2 if skucode=="JACH64200171"
replace skustr=31.2 if skucode=="JACHG4200171"
replace skustr=228/5 if skufrm=="SYR" & skustr==57.6
replace skustr=228/5 if skufrm=="SYR" & skustr==float(57.6)
replace skustr=229/5 if skufrm=="SYR" & skustr==228
replace skustr=229/5 if skufrm=="SUS" & skustr==228
replace skustr=229/5 if skufrm=="SUS" & skustr==229
replace skustr=200/5 if skufrm=="SUS" & skustr==200
replace skustr=200/5 if skufrm=="SYR" & skustr==200
replace skufrm = "SUS" in 79031
replace skufrm = "SU" in 79032
replace skufrm = "SUS" in 79032
replace skufrm = "SUS" in 79033
replace skufrm = "SU" in 79034
replace skufrm = "SUS" in 79035
replace skufrm = "SUS" in 79034
replace skufrm = "SUS" in 79036
replace skufrm = "SU" in 79037
replace skufrm = "SUS" in 79037
replace skufrm = "SUS" in 79038
replace skufrm = "SUS" in 79039
replace skufrm = "SUS" in 79040
replace skufrm = "SUS" in 79041
replace skufrm = "SUS" in 79042
replace skufrm = "SUS" in 79043
replace skufrm = "SUS" in 79044
replace skufrm = "SUS" in 79045
replace skufrm = "SUS" in 79046
replace skufrm = "SUS" in 79047
replace skufrm = "SUS" in 79048
replace skufrm = "SUS" in 79049
replace skufrm = "SUS" in 79050
drop in 80523
drop in 80523
replace skustr = 800 in 105675
replace skustr = 800 in 105679
replace skustr = 800 in 105697
replace skustr = 800 in 105717
replace skustr = 800 in 105721
replace skustr = 800 in 105730
replace skustr = 800 in 105733
replace skustr = 350 in 105767
replace skustr = 350 in 105778
replace skustr = 350 in 105786
replace skustr = 350 in 105802
replace skustr = 750 in 106647
replace skustr = 400 in 121207
replace skustr = 400 in 121208
replace skustr = 400 in 121209
replace skustr = 400 in 121210
replace skustr = 400 in 121211
replace skustr = 400 in 121212
replace skustr = 400 in 121213
replace skustr = 400 in 121214
replace skustr = 400 in 121215
replace skustr = 400 in 121216
replace skustr = 400 in 121217
replace skustr = 400 in 121218
replace skustr = 400 in 121219
replace skustr = 400 in 121220
replace skustr = 400 in 121221

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replace skustr = 400 in 121222
replace skustr = 400 in 121223
replace skustr = 400 in 121224
replace skustr = 400 in 121225
replace skustr = 400 in 121226
replace skustr = 400 in 121227
replace skustr = 400 in 121228
replace skustr = 400 in 121229
replace skustr = 400 in 121230
replace skustr = 400 in 121231
replace skustr = 400 in 121232
replace skustr = 400 in 121233
replace skustr = 400 in 121234
replace skustr = 400 in 121235
replace skustr = 400 in 121236
replace skustr = 400 in 121237
replace skustr = 400 in 121238
replace skustr = 400 in 121239
replace skustr = 400 in 121240
replace skustr = 400 in 121241
replace skustr = 400 in 121242
replace skustr = 400 in 121243
replace skustr = 400 in 121244
replace skustr = 400 in 121245
replace skustr = 400 in 121246
replace skustr = 400 in 121247
replace skustr = 400 in 121248
replace skustr = 400 in 121249
replace skustr = 400 in 121250
replace skustr = 400 in 121251
replace skustr = 400 in 121252
replace skustr = 400 in 121253
replace skustr = 400 in 121254
replace skustr = 400 in 121255
replace skustr = 400 in 121256
replace skustr = 400 in 121257
replace skustr = 400 in 121258
replace skustr=50 if skucode=="JACQA1100141"
replace skustr=25 if skucode=="JACQE0500241"
replace skustr=100/5 if ts3d=="J 1C" & skustr==100 & (skufrm=="SUS" |
skufrm=="SYR")
replace skustr=50 if skucode=="JAD2L0600146"
replace skustr=250/5 if skufrm=="LIQ" & skustr==250
replace skustr=1000 if skucode=="JAD4L0600112"
replace skustr=25 if skucode=="JAD5C0400241"
replace skustr=25 if skucode=="JAD5I1200141"
replace skustr=25 if skucode=="JAD5I1200161"
replace skustr=100 if skucode=="JAD5I1200161"
replace skustr=25 if skucode=="JAD5L1500141"
replace skustr=25 if skucode=="JAD5M0700144"
replace skustr=25 if skucode=="JADBA0800141"
replace skustr=187/5 if skustr==187 & (skufrm=="SUS" | skufrm=="SYR")
replace skustr=187/5 if skustr==186 & (skufrm=="SUS" | skufrm=="SYR")
replace skustr=50 if skucode=="JADBJ1100141"
replace skustr=20 if skucode=="JADBR0206511"
replace skustr=20 if skucode=="JADBR0206571"
replace skustr=10 if skucode=="JADBR0206572"
replace skustr=10 if skucode=="JADBR0206573"
replace skustr=75 if skucode=="JADBR0220141"
replace skustr=25 if skucode=="JADKG0200172"
replace skustr=25 if skucode=="JADKW0500171"
replace skustr=125 if skucode=="JADRL0600111"
replace skustr=160 if skucode=="JAE1E1300914"
replace skustr=80 if skucode=="JAE1H0603111"
replace skustr=80 if skucode=="JAE1R4100112"
replace skustr=80 if skucode=="JAE1S0200211"
replace skustr=40 if skucode=="JAE2C1104841"
replace skustr=800/5 if skustr==800 & (skufrm=="SUS" | skufrm=="SYR")
replace skustr=40 if skucode=="JAE2G0603172"
replace skustr=40 if skucode=="JAE2I4100173"
replace skustr=125 if skucode=="JAF1I0300214"
replace skustr=20 if skucode=="JAF2A0100671"

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replace skustr=125/5 if skufrm=="GRN" & skustr==125
replace skustr=100/5 if skustr==100 & ts4d=="J 1F2"
replace skustr=100/5 if skustr==100 & ts4d=="J 1F5"
replace skustr=100 if skustr==20 & ts4d=="J 1F2" & skufrm=="DRP"
replace skustr=100 if skustr==20 & ts4d=="J 1F5" & skufrm=="DRP"
replace skustr=150 if skucode=="JAF7A1100111"
replace skustr=50/5 if skustr==50 & ts4d=="J 1F8" & (skufrm=="LIQ" |
skufrm=="SUS" | skufrm=="SYR")
replace skustr=100 if skustr==20 & ts4d=="J 1F2" & skufrm=="SOL"
replace skustr=100 if skustr==20 & ts4d=="J 1F5" & skufrm=="SOL"
replace skustr=10 if skucode=="JAF8J0900171"
replace skustr=50 if skucode=="JAFBA0100742"
replace skustr=150 if skucode=="JAFJE0500111"
replace skustr=150 if skucode=="JAFJR0705522"
replace skustr=300 if skucode=="JAFJR0705523"
replace skustr=75 if skucode=="JAFKR0700271"
replace skustr=200 if skucode=="JAH1J1100111"
replace skustr=400 if skucode=="JAH1J1100112"
replace skustr=250 if skucode=="JAL1G0100111"
replace skustr=25 if skucode=="JAL2L4200141"
replace skustr=400/5 if skustr==400 & (skufrm=="SUS" | skufrm=="SYR")
replace skustr=300/5 if ts4d=="J 1LU" & skustr==300 & (skufrm=="SUS" |
skufrm=="SYR")

```

save skus-systemic-anti-bacterial-s-zonal-monthly-1999-2000.dta, replace