Average case density since Apr Formula:

avgCaseDen = ((cumCases – AprCases) / population \* 100000) / daysSinceApr

Worst 10 Counties by FIPS code (COUNTY STATE FIPS AVERAGE CASE DENSITY):

Trousdale TN 47169 104.36121413492623

Lake TN 47095 84.88061403359485

Lafayette FL 12067 82.93843062058504

Lee AR 05077 75.83174788808583

Dakota NE 31043 72.10775245911658

Lincoln AR 05079 69.79078807437016

Buena Vista IA 19021 68.50305049675171

Nobles MN 27105 61.312099634059585

Bristol Bay AK 02060 60.70127829750767

East Carrol LA 22035 56.45145501177975

Counties with )0.0 average case density by FIPS code (COUNTY STATE FIPS AVERAGE CASE DENSITY):

Hoonah-Angoon AK 02105 0.0

Skagway AK 02230 0.0

Yakutat AR 02282 0.0

Kiowa CO 08061 0.0

Kalawao HI 15005 0.0

Camas ID 16025 0.0

Rawlins KS 20153 0.0

Wallace KS 20199 0.0

Carter MT 30011 0.0

Liberty MT 30051 0.0

Petroleum MT 30069 0.0

Blaine NE 31009 0.0

Grant NE 31075 0.0

Hayes NE 31085 0.0

Keya Paha NE 31103 0.0

Logan NE 31113 0.0

Loup NE 31115 0.0

Esmeralda NV 32009 0.0

De Baca NM 35011 0.0

Wheeler OR 41069 0.0

Borden TX 48033 0.0

King TX 48269 0.0

Loving TX 48301 0.0

Daggett UT 49009 0.0

Note that a NE, MT has multiple appearances suggesting a lack of reporting.

Pseudo Code:

dict = {}

loop through counties:

casesSinceApril = 0

if cumCases != None && if cumAprilCases != None:

casesSinceApril = cumCases - cumAprilCases

else:

casesSinceApril = cumCases

caseDensity = casesSinceApril / population \* 100000

averageCaseDensity = caseDensity / daysSinceApril

dict[county] = averageCaseDensity