

COCCI OUTBREAK IN VENTURA COUNTY

Figure 7. California County-Specific Coccidioidomycosis Annual Incidence rates, 2011–2016

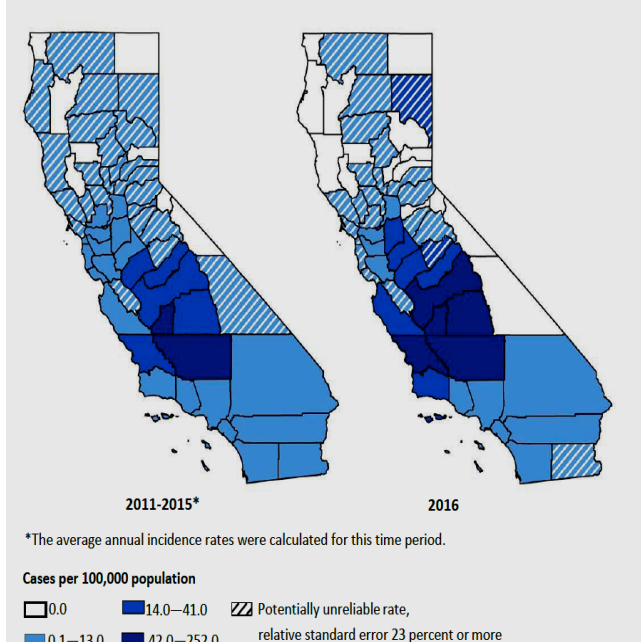


Figure 2. Coccidioidomycosis, Cases by Month of Estimated Illness Onset, California, 2011–2016

| MONTH OF ESTIMATED ONSET | YEAR OF ESTIMATED ILLNESS ONSET | | | | | |
|--------------------------|---------------------------------|-------|-------|-------|-------|-------|
| | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| TOTAL | 5,213 | 4,117 | 3,307 | 2,306 | 3,140 | 5,372 |
| JANUARY | 414 | 515 | 265 | 251 | 215 | 283 |
| FEBRUARY | 251 | 510 | 234 | 225 | 179 | 267 |
| MARCH | 283 | 385 | 215 | 158 | 197 | 233 |
| APRIL | 293 | 335 | 267 | 179 | 227 | 271 |
| MAY | 306 | 318 | 365 | 191 | 172 | 200 |
| JUNE | 348 | 313 | 283 | 165 | 210 | 299 |
| JULY | 441 | 297 | 285 | 200 | 292 | 376 |
| AUGUST | 553 | 322 | 282 | 167 | 258 | 601 |
| SEPTEMBER | 629 | 301 | 231 | 193 | 323 | 716 |
| OCTOBER | 632 | 268 | 292 | 189 | 402 | 925 |
| NOVEMBER | 554 | 299 | 321 | 184 | 348 | 693 |
| DECEMBER | 509 | 254 | 267 | 204 | 317 | 508 |

Figures provided by Department of Public Health

We are seeing extremely high rates of coccidioidomycosis in our county. Even before the fires, rates were rising rapidly and are now even higher. It is important for PCPs to think about Cocci early on.

Please watch the following CDC CME video at: <https://www.cdc.gov/fungal/diseases/coccidioidomycosis/health-professionals/cme.html>

C- Consider the diagnosis O Order the right tests C- Check for risk factors C- Check for complications I – Initiate management

How to diagnose?

Usually serology but can be falsely negative and if high suspicion may warrant empiric treatment and repeating serology. Also can be diagnosed via fungal cultures and direct microscopy.

How to manage?

Once treatment is determined necessary, the recommended starting dose of **oral fluconazole is 800 mg daily**. Monitor renal and liver function, drug-drug interactions and QTC. Check serologies every few months. Treatment duration varies but at least 3-6 months.

When to refer to Infectious Disease (ID)?

All immunocompromised patients, pregnant patients and those with cocci meningitis or bone/joint disease. Pulmonary and skin findings may be managed by PCPs unless any issues/concerns arise.

How to refer to Infectious Disease (ID)?

Please contact the referral center at 677-5245 for establishing an appointment with one of the available ID providers.

Still have a question or concern? Check out these resources and/or call the operator to determine who is on call for Infectious Disease

http://www.uphs.upenn.edu/bugdrug/antibiotic_manual/coxy%20idsa%20guidelines%202016.pdf

<http://www.venturafamilymed.org/rotations/infectious-disease>

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