# Database description

This database contains epidemiological data related to the study of West Nile virus (WNV) and valley fever (VF) in California for the MRPI proposal. Data are gathered from multiple sources into a single database.

# Available variables

## Description of variables

* wnv\_count\_human: counts of confirmed human West Nile Virus cases as defined by http://www.westnile.ca.gov/downloads.php?download\_id=2758&filename=WNV%20Guidelines%202013\_rev60713.pdf
* wnv\_ count\_mosquito: counts of mosquito pools infected by West Nile Virus
* wnv\_rate\_mosquito: No. pools positive/No. mosquitoes tested) X 1,000
* wnv\_ count\_bird: counts of dead birds infected by West Nile Virus
* wvn\_ count\_chicken: counts of sentinel chickens infected by West Nile Virus
* vf\_ count\_human: The number of occurrences of Coccidioidomycosis that meet the surveillance definition for that County, Year, Sex strata. National surveillance case definitions for these conditions can be found at http://wwwn.cdc.gov/nndss/case-definitions.html.
* vf\_rate\_human: The rate of Coccidioidomycosis per 100,000 population for the corresponding County, Year, Sex strata using the standard calculation (Count \*100,000/Population)

## Summary of available variables

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable key | Column name in file | Spatial scale | Temporal scale | Source | Path to variable |
| wnv\_count\_human | Human Cases | county | year | westnile.ca.gov | raw\_data\caseCounts\_westnile\yearly\ |
| wnv\_ count\_human | Human Cases | county | week | westnile.ca.gov | processed\_data\caseCounts\_westnile\weekly\ |
| wnv\_ count\_human | Positive Cases | county | week | CHHS | raw\_data\health\wnv\_CHHS\West\_Nile\_Virus\_Cases\_\_2006-present.csv |
| wnv\_ count\_mosquito | Mosquito Samples | county | year | westnile.ca.gov | raw\_data\caseCounts\_westnile\yearly\ |
| wnv\_ count\_mosquito | Mosquito Samples | county | week | westnile.ca.gov | processed\_data\caseCounts\_westnile\weekly\ |
| wnv\_ count\_mosquito | WNV positive pools | county | year | VBDS | raw\_data\animals\mosquitoes |
| wnv\_ count\_bird | Dead Birds | county | year | westnile.ca.gov | raw\_data\caseCounts\_westnile\yearly\ |
| wnv\_ count\_bird | Dead Birds | county | week | westnile.ca.gov | processed\_data\caseCounts\_westnile\weekly\ |
| wnv\_ count\_bird | Positive | county | year | westnile.ca.gov | raw\_data\animals\dead\_birds |
| wnv\_rate\_bird | % Tested Positive | county | year | westnile.ca.gov | raw\_data\animals\dead\_birds |
| wnv\_ count\_chicken | Sentinel Chickens | county | year | westnile.ca.gov | raw\_data\caseCounts\_westnile\yearly\ |
| wnv\_ count\_chicken | Sentinel Chickens | county | week | westnile.ca.gov | processed\_data\caseCounts\_westnile\weekly\ |
| vf\_ count\_human | Count | county | year | CHHS | raw\_data\health\vf\_CHHS\ValleyFever\_CA\_2001-2014\_by\_County.csv |
| vf\_rate\_human | Rate | county | year | CHHS | raw\_data\health\vf\_CHHS\ValleyFever\_CA\_2001-2014\_by\_County.csv |