

Environmental Health - Program Objectives



Routine surveillance to determine species, abundance and disease status



Counterpart notification for breeding site interventions (Code Enforcement, Parks & Recreation, Public Works)



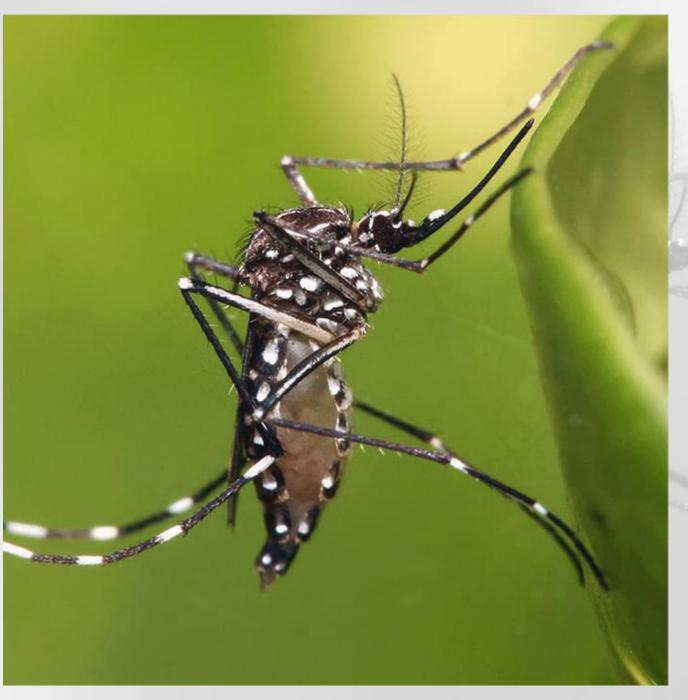
Community education on breeding, biting and disease prevention



No coordinated mosquito abatement across Clark County



A Practical Guide to Building Local Mosquito Control Capacity July 2021



Aedes aegypti

Invasive urban mosquito

Zika, Dengue, Yellow Fever, Chikungunya

Active during the day – persistent biter

Short flight range



Cryptic breeding sources Hearty eggs resist desiccation





2017

Year	Ae. aegypti*	Zip Codes
17	183	4

*Male and Female

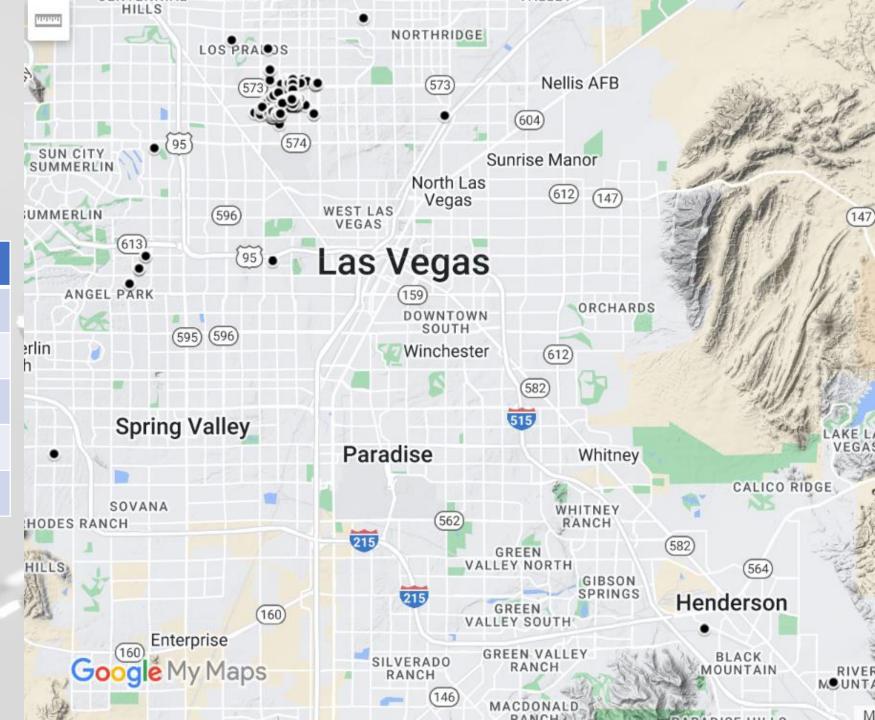
DISTINCT SITES SUBMISSIONS SUB



2017 - 2021

Year	Ae. aegypti*	Zip Codes		
17	183	4		
18	59	2		
19	177	3		
20	173	7		
21	220	6		

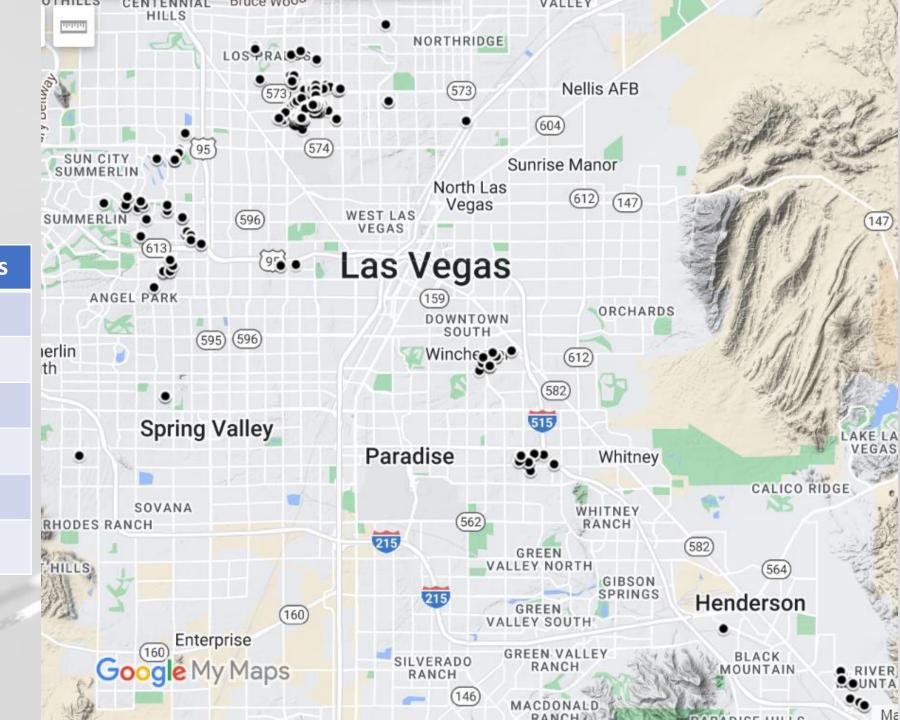
^{*}Male and Female



2017 - 2022

Year	Ae. aegypti*	Zip Codes		
17	183	4		
18	59	2		
19	177	3		
20	173	7		
21	220	6		
22	2,984	12		

^{*}Male and Female



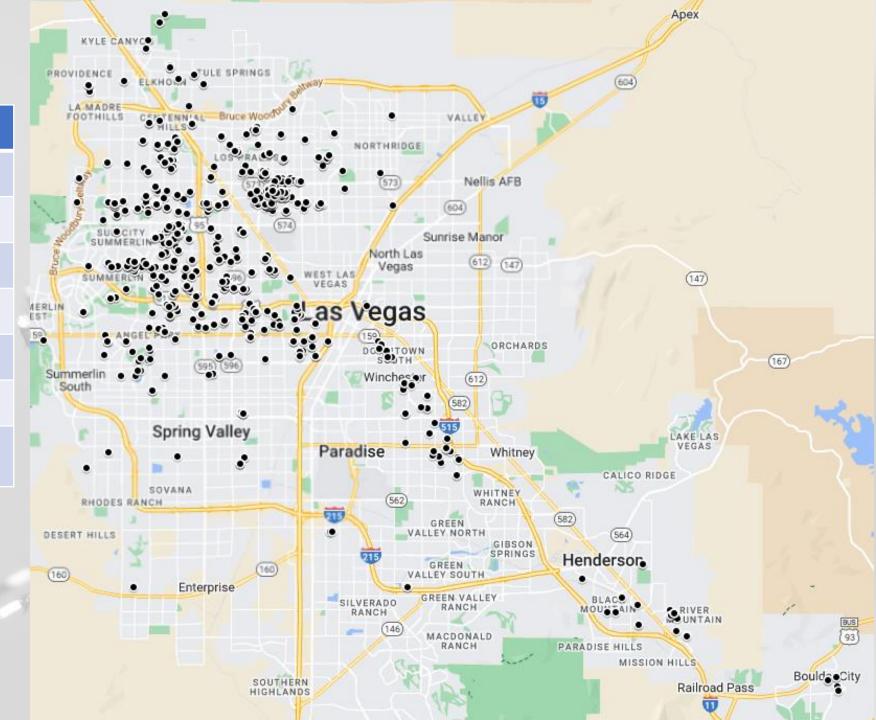
2017 - 2023

Year	Ae. aegypti*	Zip Codes		
17	183	4		
18	59	2		
19	177	3		
20	173	7		
21	220	6		
22	2,984	12		
23	12,998	43		

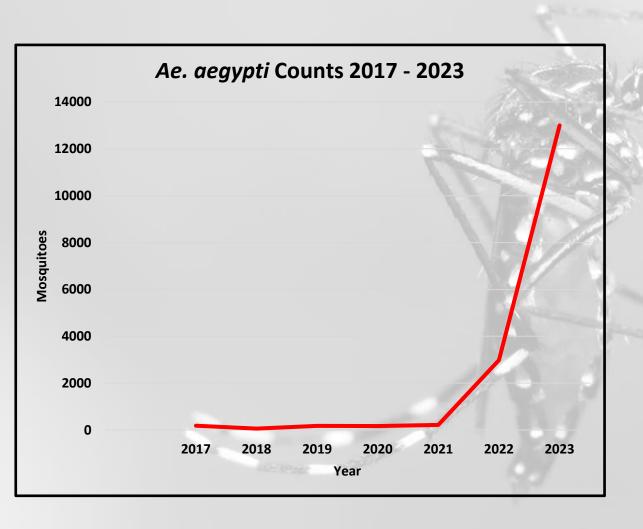
^{*} Male and Female

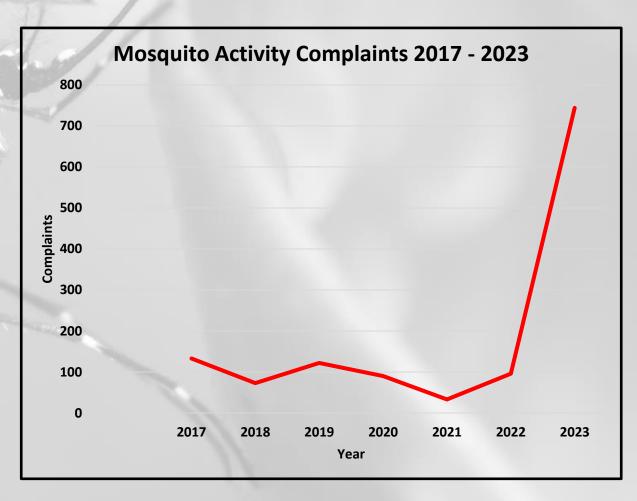
Explosive expansion

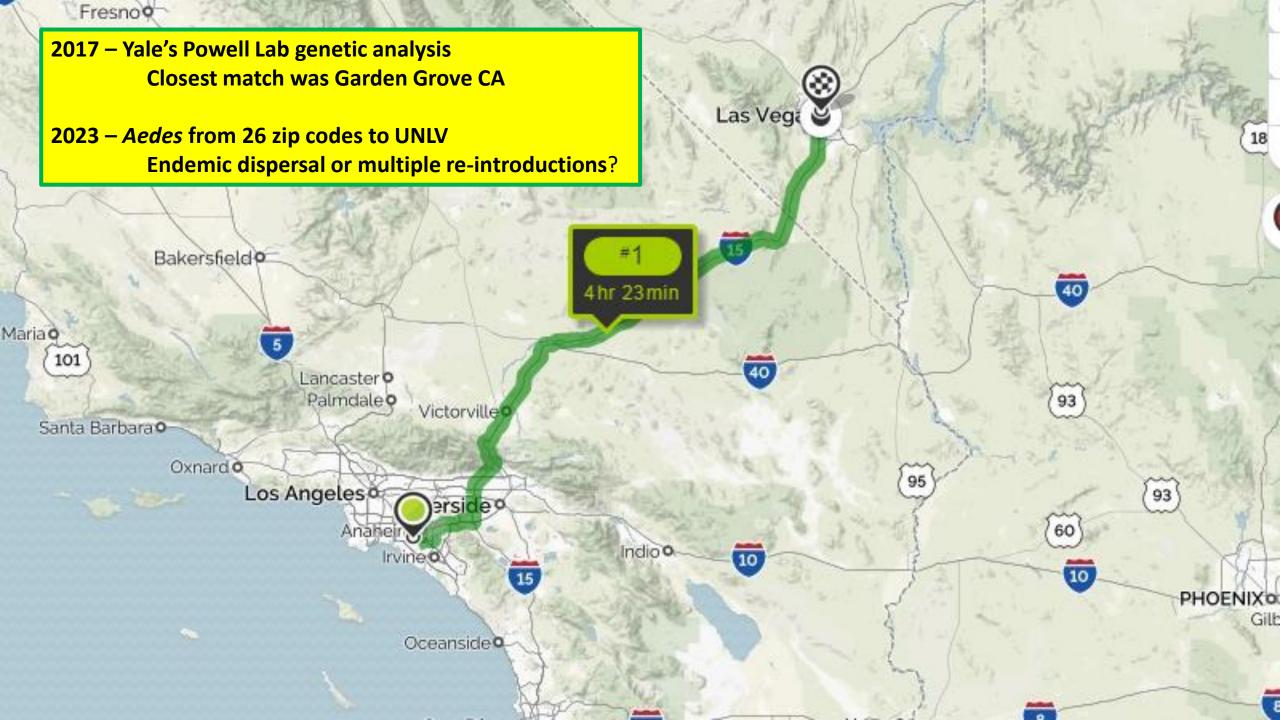
Increased trap counts



Ae. aegypti Counts & Citizen Complaints 2017 - 2023



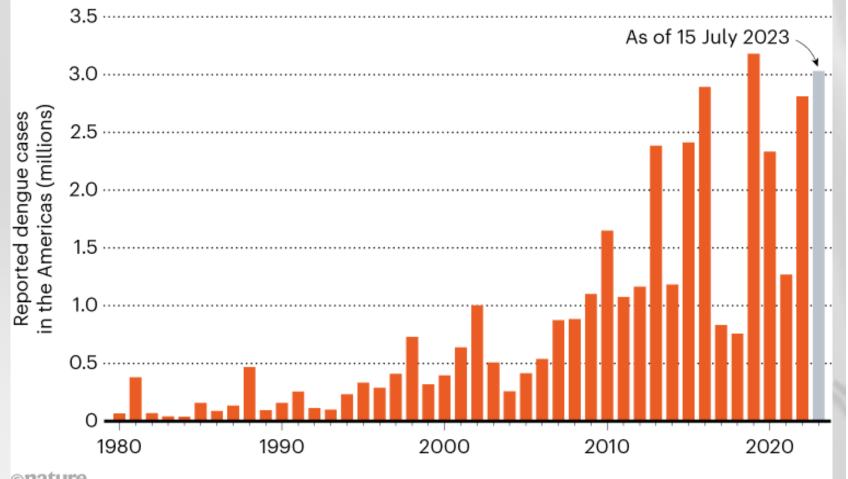




40.8 million visitors in 2023

DENGUE ON THE RISE

Changes in temperature and rainfall patterns in the Americas might help to explain high incidences of dengue in recent years.

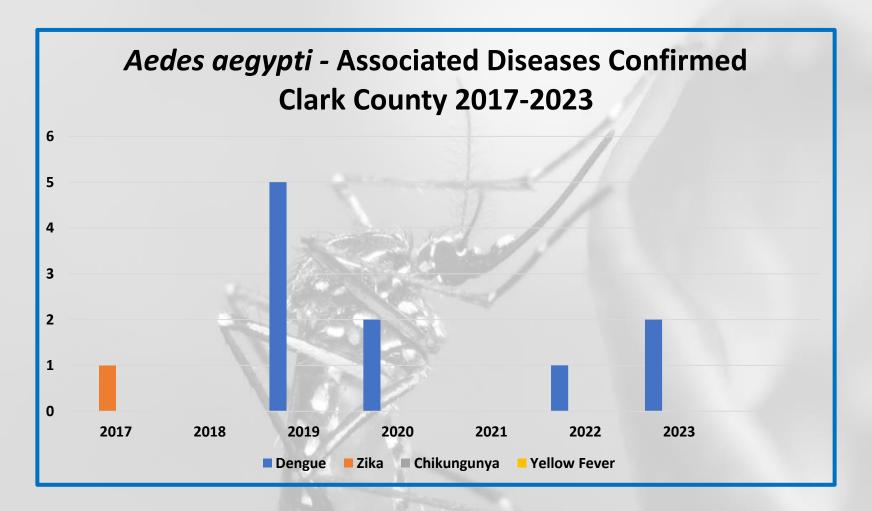


Origin Region	2023 Prelim		
Canada	1,419,050		
Mexico	1,084,840		
Total North America	2,503,890		
Europe	1,175,600		
Western Europe	1,120,220		
Eastern Europe	55,380		
Asia	480,620		
Northeast Asia	372,640		
Southeast Asia	56,230		
South Asia	51,750		
Oceania	300,540		
South America	187,420		
Central America	33,960		
Middle East	23,420		
Caribbean	18,540		
Africa	12,730		
Total Overseas	2,230,000		
Total International	4,740,000		



LAS VEGAS INTERNATIONAL VISITATION ESTIMATE

*Source Clobal City Travel (CCT) data model from Tourism Economies (Estimate from



	2017	2018	2019	2020	2021	2022	2023
Chikungunya	0	0	0	0	0	0	0
Yellow Fever	0	0	0	0	0	0	0
Zika	1	0	0	0	0	0	0
Dengue	0	0	5	2	0	1	2

Long Term Community Impact

No single, coordinated mosquito control program across Clark County

Aedes aegypti will continue to expand and entrench itself - calls for service

Community needs a consistent and organized IMM Plan / MAD

Develop emergency abatement responses: Zika, Dengue, West Nile