

## Supplemental Materials

**Table SM1.** Number of households with complete survey data and mosquito collections, by community and month

	Colon				Sto	Sta	
	Borbón	Eloy	Timbire	Maldonado	Domingo	María	Total
<b>Total occupied households as per 2021 study census</b>	978	216	194	307	112	106	1,913
<b>Feb, 2021</b>	272	60	49	49	68	27	507
<b>Mar, 2021</b>	293	63	48	48	72	38	546
<b>Apr, 2021</b>	297	64	52	52	71	40	556
<b>May, 2021</b>	296	62	50	50	72	40	551
<b>Jun, 2021</b>	297	61	49	49	72	39	550
<b>Jul, 2021</b>	295	64	49	49	70	40	549
<b>Aug, 2021</b>	295	63	50	50	70	40	549
<b>Sep, 2021</b>	291	62	52	52	68	38	543
<b>Oct, 2021</b>	296	64	52	52	71	40	555
<b>Nov, 2021</b>	296	61	49	49	72	40	550
<b>Dec, 2021</b>	294	63	51	51	73	40	552
<b>Jan, 2022</b>	292	62	52	52	71	40	549
<b>Feb, 2022</b>	298	61	51	51	72	40	554
<b>Mar, 2022</b>	298	63	52	52	72	38	555
<b>Apr, 2022</b>	296	63	51	51	72	40	554
<b>May, 2022</b>	299	63	51	51	72	39	556
<b>July, 2022</b>	296	63	47	47	72	40	550
<b>Total</b>	5,001	1,062	855	1,210	539	659	9,326

**Table SM2.** Incidence rate ratios (IRR), estimated from Unadjusted negative binomial regression of the relationship between total resting mosquitoes resting indoors and self-reported biting rate questions

Bites, Day	IRR	95% Confidence Interval
None	<ref> 0.99	<ref> (0.92, 1.07)
Rarely	1.20	(1.12, 1.29)
Sometimes	1.32	(1.20, 1.44)
Often		
Bites, Night	IRR	95% Confidence Interval
None	<ref> 1.27	<ref> (1.12, 1.44)
Rarely	1.45	(1.28, 1.63)
Sometimes	1.50	(1.32, 1.70)
Often		
Bites, Dawn/Dusk	IRR	95% Confidence Interval
None	<ref> 1.11	<ref> (1.02, 1.22)
Rarely	1.29	(1.18, 1.41)
Sometimes	1.38	(1.26, 1.51)
Often		
Biting Rate indoors the day before the survey	IRR	95% Confidence Interval
None	<ref> 1.32	<ref> (1.19, 1.47)
Rarely	1.57	(1.41, 1.74)
Sometimes	1.63	(1.45, 1.84)
Often		
Bites to children indoors the day before the survey	IRR	95% Confidence Interval
None	<ref> 1.01	<ref> (0.97, 1.06)
Rarely	1.17	(1.12, 1.23)
Sometimes	1.27	(1.18, 1.37)
Often		

<ref> = reference category

**Table SM3.** Incidence rate ratios (IRR), estimated from unadjusted negative binomial regression of the relationship between total resting mosquitoes resting indoors and self-reported bite frequency categories during the day, stratified by community.

	IRR	95% Confidence Interval
<b>Borbón (n=5,001)</b>		
None	<ref> 0.92	<ref> (0.85, 0.99)
Rarely	1.20	(1.12, 1.30)
Sometimes	1.38	(1.21, 1.56)
Often		
<b>Colon Eloy (n=1,062)</b>		
None	<ref> 1.06	<ref> (0.24, 4.79)
Rarely	1.16	(0.26, 5.22)
Sometimes	1.30	(0.29, 5.85)
Often		
<b>Timbire (n=855)</b>		
None	<ref> 0.56	<ref> (0.32, 0.97)
Rarely	0.70	(0.39, 1.23)
Sometimes	0.91	(0.45, 1.84)
Often		
<b>Maldonado (n=1,210)</b>		
None	<ref> 1.35	<ref> (0.55, 3.34)
Rarely	1.21	(0.49, 3.00)
Sometimes	1.34	(0.54, 3.33)
Often		
<b>Santo Domingo (n=539)</b>		
None	<ref> 1.00	<ref> (0.73, 1.39)
Rarely	1.27	(0.91, 1.76)
Sometimes	1.83	(1.26, 2.65)
Often		
<b>Santa Maria (N=659)</b>		
None	<ref>	<ref>

	1.15	(0.92, 1.46)
Rarely		
	1.87	(1.52, 2.31)
Sometimes		
	1.04	(0.83, 1.32)
Often		

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<ref> = reference category

**Table SM4.** Incidence rate ratios (IRR), estimated from unadjusted negative binomial regression of the relationship between total resting mosquitoes resting indoors and self-reported bite frequency categories during the day, stratified by species

<b><i>Culex</i>:</b>		
Bites, Day	IRR	95% Confidence Interval
None	<ref>	<ref>
Rarely	1.05	(0.98, 1.14)
Sometimes	1.27	(1.18, 1.37)
Often	1.39	(1.27, 1.54)
<b><i>Aedes</i>:</b>		
Bites, Day	IRR	95% Confidence Interval
None	<ref>	<ref>
Rarely	0.70	(0.62, 0.80)
Sometimes	0.81	(0.71, 0.92)
Often	0.92	(0.78, 1.10)

<ref> = reference category

**Table SM5.** Incidence rate ratios (IRR), estimated from unadjusted negative binomial regression of the relationship between total resting male and female *Aedes* and *Culex* resting indoors and self-reported bite frequency categories during the day.

<b>For male mosquitoes only:</b>		
Bites, Day	IRR	95% Confidence Interval
None	<ref>	<ref>
Rarely	1.01	(0.93, 1.10)
Sometimes	1.22	(1.12, 1.32)
Often	1.33	(1.20, 1.48)
<b>For female mosquitoes only:</b>		
Bites, Day	IRR	95% Confidence Interval
None	<ref>	<ref>
Rarely	0.99	(0.91, 1.07)
Sometimes	1.20	(1.11, 1.30)
Often	1.34	(1.22, 1.48)

<ref> = reference category

**Supplemental Material 2.** Survey questions and possible responses in English and the original language (Spanish).

### **Questions**

Respond to the following questions, THINKING ABOUT YESTERDAY.

G1. Approximately how often did mosquitoes bite you during the day?

G2. Approximately how often did mosquitoes bite you at night?

G3. Approximately how often did mosquitoes bite you at dawn & at dusk?

G4. Thinking about yesterday during all times of the day, how often did mosquitoes bite you while you were in the house?

G5. Thinking about yesterday at all times of the day, how often did mosquitoes bite your children while they were in the house?

### **Questions in the survey language**

Responda a las siguientes preguntas, PENSANDO EN AYER.

G1. ¿Aproximadamente con qué frecuencia le picaban los mosquitos durante el día?

G2. ¿Aproximadamente con qué frecuencia le picaban los mosquitos durante la noche?

G3. ¿Aproximadamente con qué frecuencia le picaban los mosquitos durante el amanecer y el atardecer?

G4. ¿Aproximadamente con qué frecuencia le picaban los mosquitos a usted mientras estaba dentro del hogar, durante cualquier hora?

G5. ¿Aproximadamente con qué frecuencia le picaban los mosquitos a su niño mientras estaba dentro del hogar, durante cualquier hora?

### **Responses**

None, Rarely, Often, Frequently Ninguna Vez, Raramente, Algunas Veces, Frecuentemente