Involving the Community, Overcoming Controversy: West Nile virus in NYC

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NEW YORK POST &



ATURDAY, SEPTEMBER 4, 1999 / Cloudy, 85 / Weather: Page 42 **

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KILLER BUG

Mosquito virus kills two in

Queens

PAGES 2-3

The bug-eyed mosquito that carries the St. Louis encephing tis virus plaguing sections of northern Queens.

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http://www.newsday.com

SATURDAY, SEPT. 4, 1999 • QUEENS

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MOSQUITO SPRAY

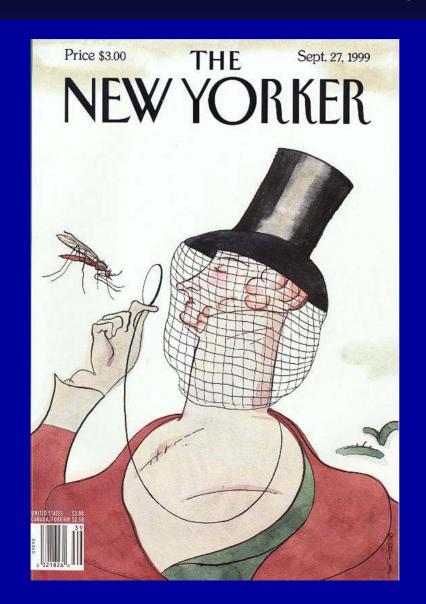


Encephalitis, Rare in City, Kills at Least 1, Infects Dozens in Queens / Page A5

A helicopter releases spray intended to kill disease-carrying maxquitoes over Powell's Cove Park in College Point.

CONTRACTOR NEWSDAY INC. QUEENS VOL. 40, NO. 2

"Buzz City"



Buzz City

by

Barry Blitt

The New Yorker

Sept. 27, 2000



We Don't Know From Mosquitoes!

- West Nile virus never before seen in the Western hemisphere
- An insect problem other than the cockroach in NYC.....FUGGEDABUDIT!!!!!
- Media capital + exotic disease = 7 weeks of headlines and/or prominent stories
- Enhanced communication: Press release a day, press conferences, two way radios, laptops, etc
- Health Department transformed into 24/7 emergency response agency

Immediate Communication Concerns

- Had to act quickly---- within hours launched aerial spraying campaign
- National/International media on scene
- 100- 150 media inquiries per day
- Quickly set up hotline staffed by DOH personnel
- Developed multilingual fact sheets
- Attended numerous community forums
- Public health decision to spray was perceived by some as an involuntary risk (we were not adequately skilled in risk communication)

NEWYORK POST 3

LATE CITY FINAL

FRIDAY, SEPTEMBER 10, 1999 / Showers, 82 / Weather: Page 72 **

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SEE MONDAY'S POST TO ENTER — AND WIN



"I LOVE THE SMELL OF MALATHION IN THE MORNING!"

Public Anxiety

 From September 3, 1999 – October 23, 1999, over 150,000 calls were received from the public.

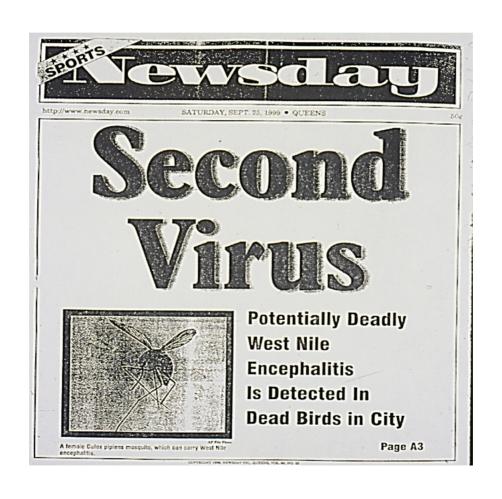


"We're pretty sure it's the West Nile virus."

S JUVERS KIIIEU Ner Pareni City noised to spray a Queens meismoun. Desired deadly West Nile virus has ready strained for the borough and for the life feety of the borough and for the life feety of the life NEW YORK TIMES - FRIDAY, MAY 12, 2000 E.P.A. Finds Malathion Poses Low Risk New York City Mosquito Control Is Weak and Late, Experts Say Mosquito Spray Deemed Safe at Proper Levels New York City has one or the least age of the least age of the mainte Save mosquito control programs in the same a hudger than se less than se By ANDREW C. REVKIN A new federal review of the health effects and a budget to preventive manner of that in nearby Suffor County of malathion, the insecticide sprayed disease carrying masquitose year to kill ent of that in nearby Suffess than 8

Authorities only one fifth the human population is only one-lifth the disease-carrying mosquitoes, has found that high doses of the Health Department official distribute pesticides in so can't spray. animals, but no evidence the threat to people whan

Sorry, wrong virus!



Dilemmas

- Risk communication no-no: We used data to make the point that pesticides were relatively harmless without adequately acknowledging fear and skepticism....we over-reassured!
- WNV and pesticides: exotic, out of individual's control, unfair
- Government wasn't trusted (Sandman's seesaw)
- Communication seemed contradictory: the risk of getting serious illness from West Nile virus is low but we're gonna spray anyway...and by the way the risk from spraying is low too
- We didn't share this dilemma openly

Challenges in 1999

- Community meetings: very difficult - vocal opposition to spraying – Malathion in particular
- News media protests and opposition provided ongoing grist for news coverage
- Despite how difficult meetings were, we went anyway
- Despite how difficult news interviews were, we did them anyway
- We sprayed with other insecticides in 2000

Social marketing helped

- Used marketing principles to influence behavior
- There were things for people to do to protect themselves
- We appealed to community and civic responsibility

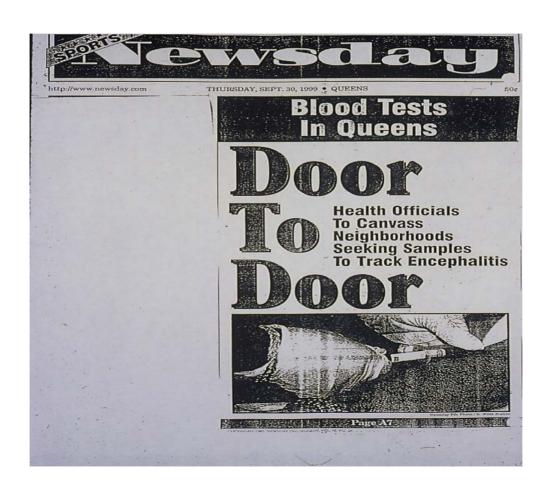
Social Marketing, 1999-2002: communications and...

- Hotline outsourced; IVR with schedule
- News media printed spray schedule
- Provides other than spraying media ops.
- Radio spots announced schedule
- Animated TV spot
- Subway and bus shelter campaign
- Brochure, 16 fact sheets 17 languages
- Door hangers, magnets, tshirts

...working with communities

- West Nile speakers' bureau
- Numerous community presentations
- Population/interest-based fact sheets children, elderly, workers, pets
- West Nile Youth Corps
- Transportation Hubs spray warnings
- Community leaders helped

Sero-survey of 1999



Rolling up sleeves for public health in October 1999

- Of 1077 households, 470 gave blood, 677 participated (1.2 – 4.1 infection rate)
- Took 5 days instead of what was projected to be 3 weeks to conduct survey!
- Community boards, BP, media helped
- As promised, held press conference in community announcing results

Normalizing WNV

- Website based approach - click on send reports; learn about spray schedules
- Routinely place human case numbers, mosquito pools, dead bird and other animal reports on website
- Press release beginning of the season, unusual occurrences, promotional opportunities, every spray event, when deaths occur, wrap up of season

Report Dead Birds!!



Success in 1999

- Arguably, we stopped the outbreak
- Relationship strengthened between medical care community and DOHMH
- We showed how quickly NYC could mount a public health and a public communication response
- We received funding to build surveillance and control infrastructure

...and in 2000 and beyond

- Increasing orientation toward preparedness and prevention
- More staff –control, surveillance, education
- Kick off Spring campaign with Mayors
- Intra-agency coordination
- Baseline of data

Public Education in 2000

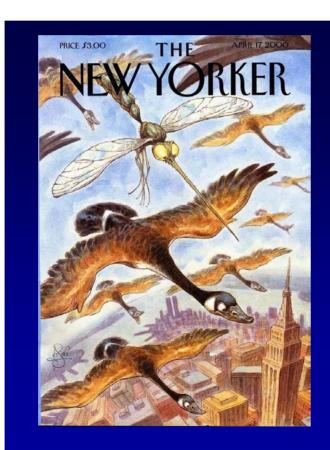




Summary of Human Cases, West Nile virus 1999-2002

	Cases	Deaths
1999	45	5
2000	14	1
2001	7	0
2002	29	3

Thank you smullin@health.nyc.gov



The Bite of Spring

by

Peter de Seve

The New Yorker April 17, 2000

