

ISSC *Vibrio vulnificus* Education Subcommittee Report
August 10, 2004

Tom Herrington, Chairman

I. August 2004 Committee Meeting Attendees

Roll call - Attachment 1

Updated email listing - Attachment 2

II. Items Discussed

A. Update on Pharmacy Initiative

Paul Balthrop reported that Walgreen's Pharmacy has agreed to provide at-risk patients with information on the risk of eating raw molluscan shellfish. Pharmacists will counsel patients or patients' family and also insert printed materials, provided by the Gulf and South Atlantic Fisheries Foundation, with each prescription. ISSC will approve any information printed.

Rollout is expected by November 2004 at Walgreen's 600+ pharmacies located in FL, PR and the Caribbean. If successful they will expand the project to the Southeastern U.S. and then nationwide. Walgreen's will track the number of patients receiving the *Vv* information. Walgreen's has a partnership with the Mayo Clinic which will allow *Vv* information to be placed on their website.

B. Update on ISSC/State Report

Dot Leonard provided a handout detailing all the accomplishments from each of the participating states. Individual reports were presented by each state representative present. (See Attachment 3)

A brief overview of each presentation follows:

Texas - Kirk Wiles

- Attended TX Medical Association meetings. Mail list from this group is used to distribute information.
- Worked with HIV Drug Abuse group, which provided a one-page summary to their patients.
- Provided ISSC materials to Dialysis and Transplant Centers.

Florida - Roberta Hammond

- Provided media outreach
- Attended medically oriented conferences and provided displays and distributed educational materials.
- Participated in "Train-the-Trainer" workshop - multi-state endeavor.
- Provided information to liver support groups.

Alabama - Jeff McCool

- Provided annual report to State Board of Health.
- Provided news articles on food safety.
- In the process of preparing a survey to determine storage and handling practices of restaurants and retail establishments with molluscan shellfish.
- Provided Vv education materials for distribution by the AL Dietetic Association.

Louisiana - Sally Soileau/Susanne Bourgeois

- Provided update on numerous outreach projects with the LA Dietetic Association, LA Restaurant Association, Hispanic Festival and other health care professionals.
- Participated in "Train-the-Trainer" workshop on Vv education.
- Produced draft graphs of Vv cases in LA. (Attachment 4 A & B)

Mississippi - Ruth Posadas

- Provided update on educational and promotional events, emphasizing post-harvest treatment technology.
- Discussed the partnership with the MS Marketing Bureau.
- MS has developed several brochures that are distributed along with the ISSC materials.
- The department is working with two seafood dealers that will be processing post-harvest treated products.

C. **On-line Physician Education Module**

Michelle Bashin presented the online *Vibrio vulnificus* Continuing Education Course for physicians. The course is in the final stages of completion. Developed with funding from the GOMP, this interactive course (<http://flying-fish.net/vibrio/course/>) educates physicians about the Vv organism, diagnosis and treatment. Flying Fish of Baton Rouge, LA developed the course software. Quizzes follow each subtopic and a final exam is presented at the end of the course. The ISSC is working with Tulane University to get the course approval for physicians. The ISSC is planning to follow up with programs for nurses and dietitians.

D. Raw Oyster Consumer Survey Follow-Up

A letter of agreement has been signed with the Macro International, Inc. to conduct the Raw Oyster Consumer Telephone Survey. After much discussion, it was agreed that Al Rainosek would look at the data-weighting analysis portion of the proposal and provide a timely response to Michelle. All committee members will receive a copy of the proposal and the addendum. In a separate mailing, the committee will also receive a copy of the survey instrument along with suggested changes proposed at previous Vv Education Committee meetings. The turn-around time will be brief due to the timeline of the proposal.

E. GOMP-Funded Gulf States Molluscan Shellfish Workshop

Roberta Hammond provided a brief report on the workshop held in conjunction with the 2004 Gulf and South Atlantic States Shellfish Conference. (Attachment 5)

F. Harvester Education/Overboard Discharge/Safe Handling of Shellstock

Dot Leonard provided the committee with an outline of the proposed video. In the interest of time, she asked the committee to look over the outline and provide comments that could be used to develop the storyboard for the video. (Attachment 6)

G. State Grants and the ISSC Program

Tom Herrington discussed an issue, raised by Tori Stivers (GA) via email, of duplication of efforts in Vv education. After some discussion it was agreed Tom would correspond with Tori to determine the possibility of refocusing her grant to other portions of the Vv education effort.

The meeting was adjourned at 12:45 pm.

Approved by: _____
Tom Herrington

Recorded by: Sandra L Sharp

ISSC *Vibrio vulnificus* Education Subcommittee Meeting
Las Vegas, NV
Tuesday, August 10, 2004
8:00am – 12:00 noon

AGENDA

- 8:00 - 8:15 Welcome, Roll Call, Opening Remarks..... Tom Herrington
- 8:15 - 9:15 Review Contract for Follow-up Survey Michelle Bashin
- 9:15 - 9:45 On-line Physician Education Module Michelle Bashin
- 9:45 - 10:00 Update on Pharmacy Initiative..... Paul Balthrop

Break 10:00 - 10:15

- 10:15 - 11: 15 Update on ISSC/State Reports Dot Leonard

Florida: David Heil

Alabama: Jeff McCool

Mississippi: Ruth Posadas

Louisiana: Sally Soileau

Texas: Kirk Wiles

- 11: 15 - 11: 30 Vv Education Activities - GOMP Funded Gulf States Molluscan Shellfish
Workshop.....David Heil

- 11: 30 - 11: 40 Discussion of Harvester Education Proposed Video..... Dot Leonard

- 11:4 0 - 12:00 State Grants and the ISSC Education Program Tom Herrington

Adjourn

2004-2005 *Vibrio vulnificus* Education Subcommittee:
August 2004 Vv Education Subcommittee Meeting Roll Call

Chair:	Herrington, Tom	Present
Members:	Balthrop, Paul	Present
	Bashin, Michelle	Present
	Bourgeois, Susanne	Present
	Dewey, Bill	Present
	Downey, Robin	Absent
	Hansel, Joel	Absent
	Heil, David	Present
	Hernandez, Michael	Absent
	Howell, Lori	Absent
	Leonard, Dot	Present
	Mahan, Bill	Absent
	Nelson, Chris	Absent
	Nelson, Doris	Present
	Newell, Charles	Present
	Parachini, Susan	Present
	Rouse, Debbie	Absent
	Sharp, Sandra	Present
	Shepherd, Sandy	Absent
	Sunseri, Al	Present
	Watson, Ed	Present
Advisors:	Glatzer, Marc	Absent
	Painter, John	Absent
	Rainosek, Al	Present
AL State Coordinator:	Byrd, Lewis	Absent
FL State Coordinator:	Hammond, Roberta	Present
GA State Coordinator:	Stivers, Tori	Absent
LA State Coordinator:	Soileau, Sally	Present
MS State Coordinator:	Posadas, Ruth	Present
TX State Coordinator:	Wiles, Kirk	Present
Vv Subcommittee Chair:	Wittman, Rob	Absent
VMC Chair:	Hillman, Clifford	Absent

V vulnificus Education Subcommittee

8/10/2004 – Meeting Attendees

Name	Affiliation	Email
Susan Parachini	CO Dept of Public Health & Environment	susan.parachini@state.co.us
Susanne Bouigeois	LA Dept of Public Health - Epidimology	ssbource@dhh.state.la.us
Bill Dewey	Taylor Shellfish Co.	billd@taylorshellfish.com
Roberta Hammond	FL Dept of Health	roberta_hammond@doh.state.fl.us
Tracy Mitchell	LA Seafood Promotion Board	tracy@louisianaseafood.com
Paul Balthrop	FL Dept Agriculture	balthrp@doacs.state.fl.us
Charles Newell	SC Dept Health & Env. Control	newellcl@dhec.sc.gov
Tom Herrington	FDA	herrington@bellsouth.net
Dot Leonard	ISSC	msmussel@oceanequities.org
E Spencer Garrett	NOAA/NMFS	spencer.garrett@noaa.gov
Kevin Amos	NOAA Fisheries	kevin.amos@noaa.gov
Doris Nelson	Fisherman's Harvest Inc.	fisharv@aol.com
Ruth Posadas	MS DMR	ruth.posadas@dmr.state.ms.us
Jeff McCool	ADPH – Seafood	jeffmccool@adph.state.al.us
Al Rainosek	NOAA Fisheries	al.rainosek@noaa.gov
Sally Soileau	LSU Ag Ctr	ssoileau@agcenter.lsu.edu
Michelle Bashin	ISSC	mbashin@yahoo.com
Karl Turner	GSAFDF	karldturner@aol.com
Judy Jamison	GSAFDF	judy.jamison@worldnet.att.net
Jeri Nelson	Jeri's Seafood, Industry	jerissf@aol.com
Ed Watson	TN Dept Agriculture	ed.watson@att.net
David Heil	FL Dept Agriculture and Consumer Services	heild@doacs.state.fl.us
Sandra Sharp	NOAA Fisheries	sandra.sharp@noaa.gov
Al Sunseri	P & J Oysters	asunseri@bellsouth.net



Phone: 803-788-7559

Fax: 803-788-7576

Interstate Shellfish Sanitation Conference

209-2 Dawson Road

Columbia, SC 29223

Email: issc@issc.org

2004-2005 *Vibrio vulnificus* Education Subcommittee Roster:

Chair:	Herrington, Tom FDA	bigtom2@bellsouth.net
Members:	Balthrop, Paul	balthrp@doacs.state.fl.us
	Bashin, Michelle	mbashin@yahoo.com
	Bourgeois, Susanne	ssbourge@dhh.state.la.us
	Dewey, Bill	billd@taylorshellfish.com
	Downey, Robin	pcsga@pcsga.org
	Hansel, Joel EPA	hansel.joel@epa.gov
	Heil, David	heild@doacs.state.fl.us
	Hernandez, Michael	mhernan1@dhs.ca.gov
	Howell, Lori	lahowell@spinneycreek.com
	Leonard, Dot	msmussel@oceanequities.com
	Mahan, Bill	wtm@ifas.ufl.edu
	Nelson, Chris	cnelson@bonsecourfisheries.com
	Nelson, Doris	fisharv@aol.com
	Newell, Charles	newellcl@dhec.sc.gov
	Parachini, Susan	susan.parachini@state.co.us
	Rouse, Debbie	drouse@state.de.us
	Advisors:	Sharp, Sandra NOAA
Shepherd, Sandy		sshepherd@agr.state.ga.us
AL State Coordinator:	Glatzer, Marc	mglatzer@ora.fda.gov
	Painter, John	jpainter@cdc.gov
	Rainosek, Al	alvin.rainosek@noaa.gov
FL State Coordinator:	Byrd, Lewis	LewisByrd@adph.state.al.us
GA State Coordinator:	Hammond, Roberta	Roberta_Hammond@doh.state.fl.us
LA State Coordinator:	Stivers, Tori	tstivers@uga.edu
MS State Coordinator:	Soileau, Sally	ssoileau@agcenter.lsu.edu
TX State Coordinator:	Posadas, Ruth	ruth.posadas@dmr.state.ms.us
Vv Subcommittee Chair:	Wiles, Kirk	kirk.wiles@tdh.state.tx.us
VMC Chair:	Wittman, Rob	rwittman@vdh.state.va.us
	Hillman, Clifford	cliffordh@hillmanoyster.com

Multi-Year Results of ISSC and State *Vibrio vulnificus* Consumer Education Programs
Attachment 3 --Vv Education Subcommittee Meeting

Responsible Agency/Contact	High Risk Consumers	Health Professionals	Broader Consumer Audience	Remarks
<p>ISSC Ken Moore, Exec Dir. 803-788-7559</p> <p>Dorothy Leonard, State Facilitator, 410-626-7206</p> <p>Michelle Bashin, Education Coordinator, 510-223-3678</p> <p>Tom Herrington, Chair, Education Comm. 228-688-7941</p>	<p>Partnership 1) American Liver Foundation (ALF), National Chapter, Gulf Coast, Los Angeles and San Diego Chapters; ALF: mailing reached >50,000 by direct mail, 20,000 in response to calls. Articles in ALF newsletter (circ=45,000 households)</p> <p>Diabetes Digest Online (30,000 diabetics). ,</p> <p>ALF Gulf Chapter mailings to 127 vet organizations, 6 hospitals and article in <i>Veterans Post Newsletter</i>.</p> <p>ALF Chapter newsletter (circ=2,500 households) contained Vv brochures.</p> <p>ALF San Diego distributed >4500 Vv brochures to liver disease support groups and to 2 transplant centers& 500 Vet organizations.</p> <p>2) Iron Overload Disease Foundation,</p> <p>3) International Hepatitis Foundation</p> <p>4) Multicultural Area Health Education Center (Los Angeles County)</p>	<p>At ALF Medical Advisory Comm. 3,000 ISSC Vv brochures to health care providers (incl. physicians). Distributed >59,000 health care provider fact sheets.</p> <p>In cooperation with FL developed "<i>Clinicians Guide to V.vulnificus Infection & Treatment</i>" (60 min video, journal articles, fact sheets, and brochures. (593 distributed)</p> <p>List of published Vv reference materials (>200). Updated and available.</p> <p>Continuing Medical Education Program for doctors and nurses accredited and available on-line. Letters (approximately 15,000) are being sent to all gastroenterologists and internists in the Gulf states announcing the program and encouraging participation.</p>	<p>Revised Vv consumer brochures & distributed >380,000(English) and >83,000 (Spanish).</p> <p>30-second PSA (televised in GOM states 4,380 times in 2001</p> <p>Media kit developed and 274 distributed in 2002 to outlets in 6 states (approximately 25 TV stations).</p> <p>Conducted consumer survey (contractor=Clearwater) 1,975 interviews with raw oyster consumers. Results will be compared with survey to be conducted 2 years after implementation of intense Vv education programs.</p> <p>Finalized contract for the follow-up consumer survey, which includes modifications, suggested by Vv Ed Comm. Spanish speaking consumers and re: those who have stopped consumption of raw oysters. Survey is planned for Fall 2004 with initial results at March 05 Exec. Board meeting.</p>	<p>Produced and distributed educational materials,</p> <p>Catalog of Vv education materials on web site.</p> <p>Expanded and updated shellfish education section on the ISSC web page</p> <p>State facilitator assisted 7 states in the development of Vv Risk Management Plans and/or Vv education programs. (Details follow by state).</p> <p>Allocated funds to support state activities (LA, FL, GA). gave technical assistance and guidance to states applying for funds.</p> <p>2 Vv exhibits available for states and consumer education groups, state medical assoc. meetings Displayed at EPA Contaminants in Fish Conference-8/2003)</p> <p>ISSC web site expanded to provide vv Education reports and downloadable publications.</p>

	<p>5) Area Health Education Centers (LA)</p> <p>Produced Rx for Success-Teaming up with Walgreen’s Pharmacies to distribute Vv education materials.</p>			
<p>Florida David Heil, FL Dept. of Agriculture & Consumer Affairs 850-488-5471</p> <p>Roberta Hammond, FL Dept. of Health, 850-245-4116</p> <p>Paul Balthrop, FL Dept. of Agriculture -</p>	<p>Vv brochures to ALF Gulf Coast Chapter. (see ISSC above). and Florida liver support groups</p> <p>Coordination with Blue Cross/Blue Shield and other HMOs.</p> <p>Agreement with Winn Dixie Drug Chain (300 stores) to include Vv brochures in prescription envelopes of immuno compromised patients. (27,000 English, 3000 Spanish)</p> <p>Distribution of Vv brochures to liver support groups and one transplant center (317 English, 126 Spanish)</p>	<p>Professional fact sheets and surveys and articles for physicians, nurses, health educators and dieticians (1300 fact sheets, 10,000 patient education kits).</p> <p>CME Workshop at FL Medical Association (9/2001) 50 attended workshop, 100 other individuals received packets at/through info booth.</p> <p>Presentation for FL Dietetic Assoc. 7/2002, 769 attendees.</p> <p>The Florida Nurse: Vv article (circ. 175,000)</p> <p>Train-the-Trainer Workshop, 4/13/04 for Gulf Coast state and California health educators</p> <p>Presentation for FL Academy of Physician Assistants, 8/6/04</p>	<p>“Pearls of Wisdom for Oyster Lovers” distributed to county health depts. 9 regional food and waterborne disease epidemiologists& health depts.</p> <p>174 restaurant inspectors trained w/1-hour video.</p> <p>20,000 food service industry brochures distributed. www.hospitalityeducation.org</p> <p>Press kits to 37 media outlets, press releases to 40 media outlets, 67 county health depts.</p> <p>Distribution of educational materials at community health fairs.</p> <p>Displays at professional associations</p> <p>Press release 5/28/04</p>	<p>Developed Vv Risk Management Plan and Vv education program</p> <p>State laws require warnings at point of purchase.</p> <p>Circulation of guidance re: post harvest treatment (PHT) to retailers and processors</p>
<p>Alabama Lewis Byrd, AL Dept. of Health Seafood Branch, 251-432-7618</p> <p>Jeff McCool</p>		<p>Trained AL Dept. of Public Health new environmental staff.</p> <p>Vv Education Toolkits</p>	<p>Communications (phone and mail) with media and public.</p> <p>Vv in public health articles submitted for press.</p> <p>Seafood Safety Awareness</p>	<p>Vv Risk Management began in 1989</p> <p>Process to track products</p>

		<p>distributed to county health depts. other state and county agencies.</p> <p>Established standardized process to collect illness data.</p>	<p>packet to agencies, media, private sector.</p> <p>ADPH requires retailers & restaurants to post warning labels.</p>	<p>implicated in Vv illness. Implemented NSSP time & temp controls. & 6 hr limit (June-Sept.)</p> <p>No resources or mechanism for PHT (95%=shucked oysters)</p>
<p>Mississippi Scott Gordon, Bureau Marine Resources, 228-374-5026</p> <p>Ruth Posadas, Bureau Marine Resources, 228-374-5022</p>	<p>Veterans Day events=400 Vv brochures (Elderly)</p> <p>Celebrate the Gulf = 800 Vv brochures (2 events) and fact sheets (Children) 2001=700 brochures 2003=450 brochures</p> <p>2001/2003 Fishing Rodeo for handicapped children=400 Vv brochures</p> <p>Presented a Vv Education seminar to 21 members of the Midway Methodist Men's Thursday Club (Elderly and retired) at the Jackson County, MS.</p> <p>Classroom outreach=66 people.</p>	<p>Vv info presented at HACCP & sanitation courses for industry.</p> <p>Delivered Vv Education Toolkits including the video kit and the Vv brochures and Facts sheets to the Main office of the MS Health & Human Services for distribution to county health depts. other state and county agencies.</p> <p>2 coastal hospitals& 2 branches of MS Health & Human Services received Vv Education Video kit for continuing education of medical &health professionals.</p> <p>Vv brochures and Facts sheets delivered to the three county health departments in the coast.</p> <p>2003 Vv brochures and Facts sheets delivered to the Training Department of the MS Restaurant Association.</p> <p>Vv brochures and Facts sheets</p>	<p>Jackson Co Fair 2002=5000 brochures/ fact sheets 2003=300 brochures/fact sheets</p> <p>Cajun Crawfish Festival 2002=1200 brochures 2003-250 brochures/fact sheets</p> <p>Fish & Wildlife Extravaganza 2003 = 500 brochures/fact sheets 2004 =150 brochures/fact sheets</p> <p>Biloxi Seafood Festival 2002/2003= 800 Vv Brochures and fact sheets</p> <p>Printed and distributed 5000 "Raw Seafood" brochures.</p> <p>Developed, printed and distributed 5000 "Available PHP Technologies for Oysters" and 5000 Fact Sheets "Post-Harvest Oyster Processing Technologies" Developed, printed and distributed 5000 posters "Post-Harvest processing Technologies for Oysters" Reprinted another 5,000 PHP</p>	<p>Developed voluntary Vv Education Plan</p> <p>Coordinated with MS Health & Human Services on Vv case reporting (Investigated 1 Vv mortality case in NJ implicating a MS oyster as one of the oyster sources. On-going investigation of a positive Vv mortality case in Biloxi, MS but uncertain whether it was a wound infection or oyster consumption</p> <p>Assisted 1 certified and permitted seafood dealer develop a PHP facility for IQF</p> <p>Assisted 1 certified and permitted facility develop a PHP HACCP Plan for freezing</p> <p>Providing information to several certified and permitted seafood dealers on plans to put up a PHP plant and develop value added products of oysters. Conducted Consumer and</p>

		<p>delivered to a three Doctor's clinics and to two Hospital Emergency lobby rooms.</p>	<p>brochures.</p> <p>Prepared sanitation labels & posters in Spanish & Vietnamese.</p> <p>Vv article in DMR newsletter. (Circ=1000)</p> <p>Vv media release May 2002(circ=50,000)</p> <p>Vv Education is inserted in the HACCP and Sanitation Training Course for MS Seafood Dealers and workers using the ISSC Vv Video and Information Kit.</p>	<p>product profile survey In Coastal Counties of MS, one in Jackson MS, and another at the International West Coast Seafood Show at Long Beach, CA and the Medical Community at Los Angeles CA.</p> <p>Conducted PHP raw oyster sensory surveys among the Hispanic workers in Coastal MS.</p> <p>Collaborated with the MS Restaurant Association and MS Seafood Promotion & Marketing Bureau in showcasing Post Harvest Processed oysters (IQF) to MS Legislature and the Governor serving over 11,000 guests in three occasions.</p> <p>Compiled over a hundred titles of oyster PHP scientific journal articles for references</p> <p>Attended the "Vv Train – the-trainer" workshop in New Orleans April, 2004</p>
Louisiana	Vv article in AARP	Presentation/Vv materials @ 6	News article, <i>The Risk of Eating</i>	Developed Vv Education

<p>Sally Soileau, Vv Education Coordinator, LSU Ag Ctr. 225-389-3055</p> <p>Susan Wilson, LA Public Health, 504-568-5005</p>	<p>newsletter Booth/brochures at Grandparents Raising grandchildren Statewide Conf., (3/2004) =60 participants in Hammond & 80 at Saint Gabriel's Prison. Senior Nutrition at Scotlandville Community Ctr. 5/2004 Senior Nutrition Food Safety program=20 seniors & at North Baton Rouge & ML King Community Center</p> <p>Consumer workshop for the elderly, health fairs</p> <p>Working with 64 Councils on Aging-4500 brochures sent</p> <p>2004 outreach to Diabetes Assoc., HIV clinics (HIV Ryan White sent 6000 brochures</p> <p>9/2003 US Conf on Aids-delivered 4000 brochures</p> <p>DHH Office of Abusive Disorders Prevention (regional mgrs reach >30,000 clients.</p>	<p>regional LA Dietetic Assoc. statewide LDA meetings (>325 contacts) in 2003.</p> <p>Developing web-based Vv module with CMEs for MDs and CEUs for nurses via LA Public Health website.</p> <p>Working w/Ochsner HMO for MDs and high risk patients</p> <p>10 yr perspective for LA Morbidity Rpt. Dist=5000 physicians</p> <p>LA Society of Health Systems</p> <p>Louisiana Pharmacy Assoc. Annual Meeting # pharmacists, 1.5 CE hrs Oyster vv Education Seminar & info shared w/175 contacts 4500 brochures</p> <p>Medical staff at Earl K. Long hospital (#dietitians, #physicians, nurses</p> <p>4/2004 Ed booth at Food & Nutrition Program at LSU Ag Center=125 participants</p> <p>LA State Dietetic Assoc booth 175 participants.</p> <p>Provided 300 brochures for</p>	<p><i>raw Oysters-Higher Levels of Vv in Warm Summer Waters</i> (64 parishes & web site)</p> <p>Presentations and Vv materials to 73 family consumer educators, in-service training of LSU extension agents, LSU's 1st Mondays at the Market.</p> <p>LA Restaurant Assoc. Serve-Safe course included Vv materials.</p> <p>LA Food Service Expo >15,000 Workshop at American Wms Bus Assoc. and Int Assoc. of Admin. Professionals.</p> <p>Family Consumers Education and Nutrition Workshops</p> <p>LA Restaurant Assoc trade show 16,000 attendees New Orleans</p> <p>4/2004 Vv Ed booth at CAN DO in Baton Rouge=350 participants</p> <p>5/2004 Booth at LA 4H Seafood Ambassadors-LSU=75 participants. Conducted Food 7 Nutrition workshops at Baton Rouge &</p>	<p>Plan</p> <p>Employed Vv Education Coordinator</p> <p>Laws requires labeling on sacks of oysters and advisory to high risk consumers posted at all retailers</p> <p>4/2004 LA Technical School Wellness=25 students</p> <p>Louisiana Restaurant Association educational booth=6500 participants</p>
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		<p>2003 American Assoc of Office Nurses.</p> <p>Conducted Nutrition/Food Safety for health care providers at Capital Area Agency=27 sites=3000 seniors</p>		
<p>Texas Kirk Wiles, TX DOH, 504-719-0215 Russ Miget, TX A & M Extension, 361-980-3460</p>	<p>Methadone clinics: brochures (1700 Eng., 600 Span. 6750 fact sheets)</p> <p>BiNational TB Conference (800 brochures)</p> <p>Dialysis & Transplant Centers Licensed by TDH)(1700 Span., 24,000 Eng., 2000 fact sheets)</p> <p>TX Alcohol & Drug Commission (info placed in training manuals) Diabetes Education (10,000 tool kits)</p>	<p>Vv materials distributed at TX Medical Assoc. meeting. >4500 physicians registered.</p> <p>Educational materials sent to medical schools and dietetic assns.</p> <p>500 brochures to Tamalipus health officials</p> <p>2650 physician fact sheets distributed</p> <p>80 clinician guides to advocacy groups, health clinics, medical & pharmaceutical contacts</p> <p>STD Counselors (295)</p> <p>HIV contractors (316)</p> <p>TX Society of Medical Assistants (presentation)</p> <p>Nurses Statewide Conf (1200 brochures, 500 clinician guides)</p> <p>2 county medical societies</p> <p>Clinician guides and</p>	<p>25 press kits to TX TV stations. Bacliff (500/500/50) Interviews w/media re: Vv 5 (newspaper, radio, TV) Developed Vv education mobile display.</p> <p>Consumer info brochures to 20 coastal county offices.</p> <p>Vv instructional videos to Family Consumer agents in 20 counties-info distributed through local media Local health fairs in multiple locations</p> <p>Speaking with Health TDH radio shop (distributed to 600 radio outlets)</p> <p>Buccaneer Days in Corpus Christi (100 fact sheets, 100 brochures in English, 100 brochures in Spanish)</p> <p>Attended Texas Parks & Wildlife Expo. Set up Vv display and distributed brochures. Attendance=44,000.</p>	<p>Developed VV Education program with TDOH, TDA, TF&W, A&M Extension</p>

		<p>information to all local health departments and all epi personnel in TX</p> <p>TX Medical Assoc. 2003 meeting (5000 registered physicians)</p> <p>Presentation at TX Society of Medical Assistants 2003</p>		
<p>California Michael Hernandez, CA FDA, 916-327-8037 Orange County, Patricia Gentry, 714-667-3755 San Diego County, Vickie Church, 619-338-2274 MAHEC, Franco Reyna, 323-780-7640</p>			<p>ON HOLD FDA is working w/Magnet Communications to get key messages to Latino males in 5 SO CA counties through press releases, camera-ready articles, Vv fact sheet, PSAs and B-roll for media</p>	<p>ON HOLD Vv voluntary education program is under development using ISSC and FDA materials-outreach by OR & SD counties and Multicultural Health Education Center in LA CO.</p>
<p>Georgia Tori Stivers, University of Georgia Marine Extension, 770/460-2506</p>	<p>Article "Liver Disease & Raw Oysters" in ALF GA Chapter. Newsletter (3,000 circulation)</p> <p>Brochures to Diabetes Educators & physicians</p> <p>Presentation to Atlanta/Grady Hospital ALF Support Group (100 brochres, 100 fact sheets)</p> <p>Mailed 25 Vv consumer brochures & 6 physician fact sheets to Tucker/DeKalb Co ALF Support Group</p>	<p>Abstract accepted for SO Medical Assoc poster session</p> <p>Presentation to Clayton Co Health Dept. 200 brochures</p> <p>Conf call to state public health epidemiologists =30 participants)</p> <p>Presentation (Vv Impact on Public Health) @ quarterly epidemiology training session in Macon=40 attendees.</p> <p>Vv exhibit @ GA/SC Dietetic Assoc.=430 Vv publications</p> <p>Article about Vv cases in News for Families and Consumers 70 Ext. agents</p>	<p>Article in "News for Families & Consumers" GA Coop. Ext.</p> <p>7500 brochures to 70 Coop. Ext. agents</p> <p>Article in "Salty Dog", for commercial & recreational fishing industry</p>	<p>Based on 7 Vv illnesses and 4 deaths to GA residents in 2002 GA is developing a voluntary VV Education Plan</p>

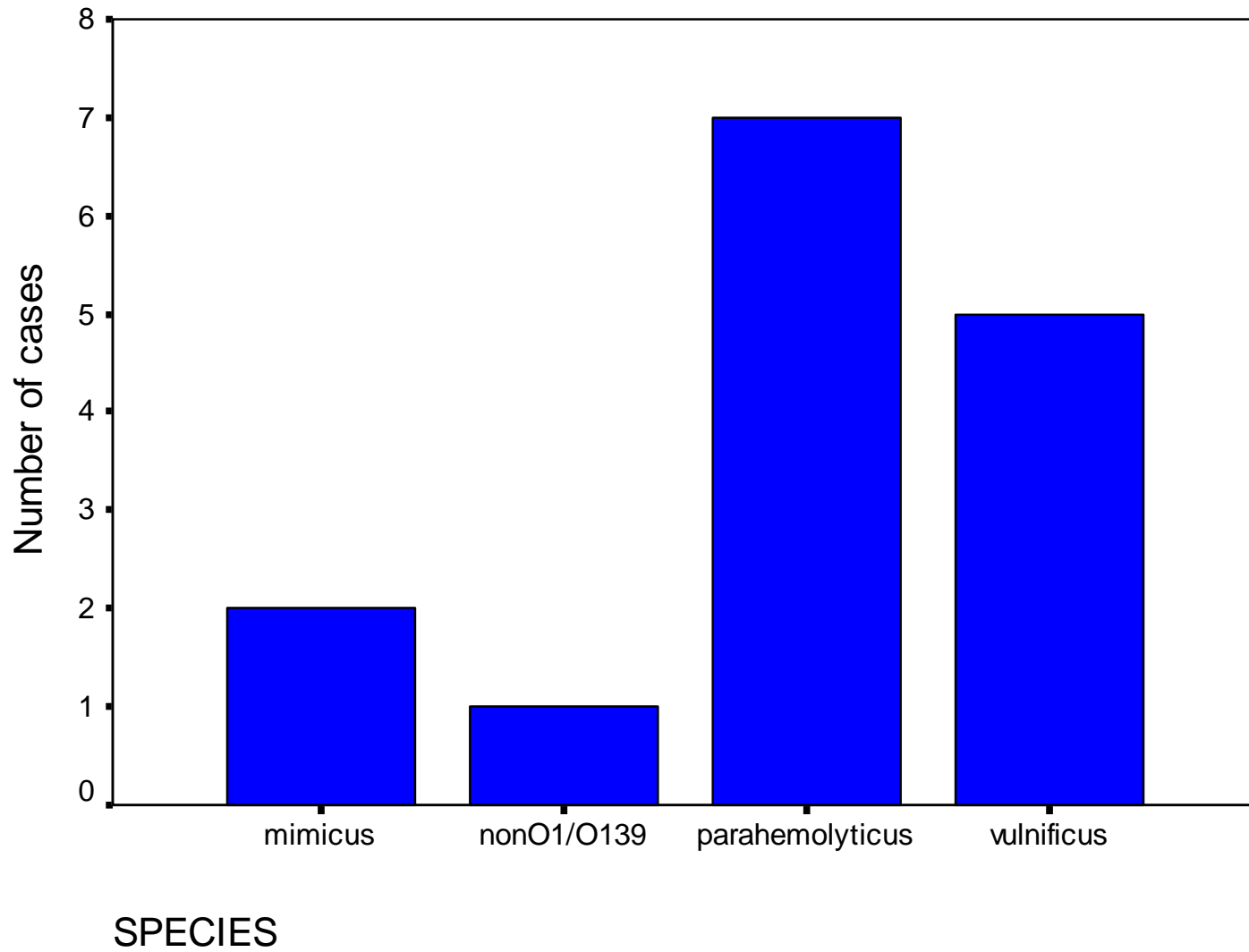
		6/2004 Presentation <i>Vv Ed in</i> GA @ Interstate Environmental health Seminar in AL		
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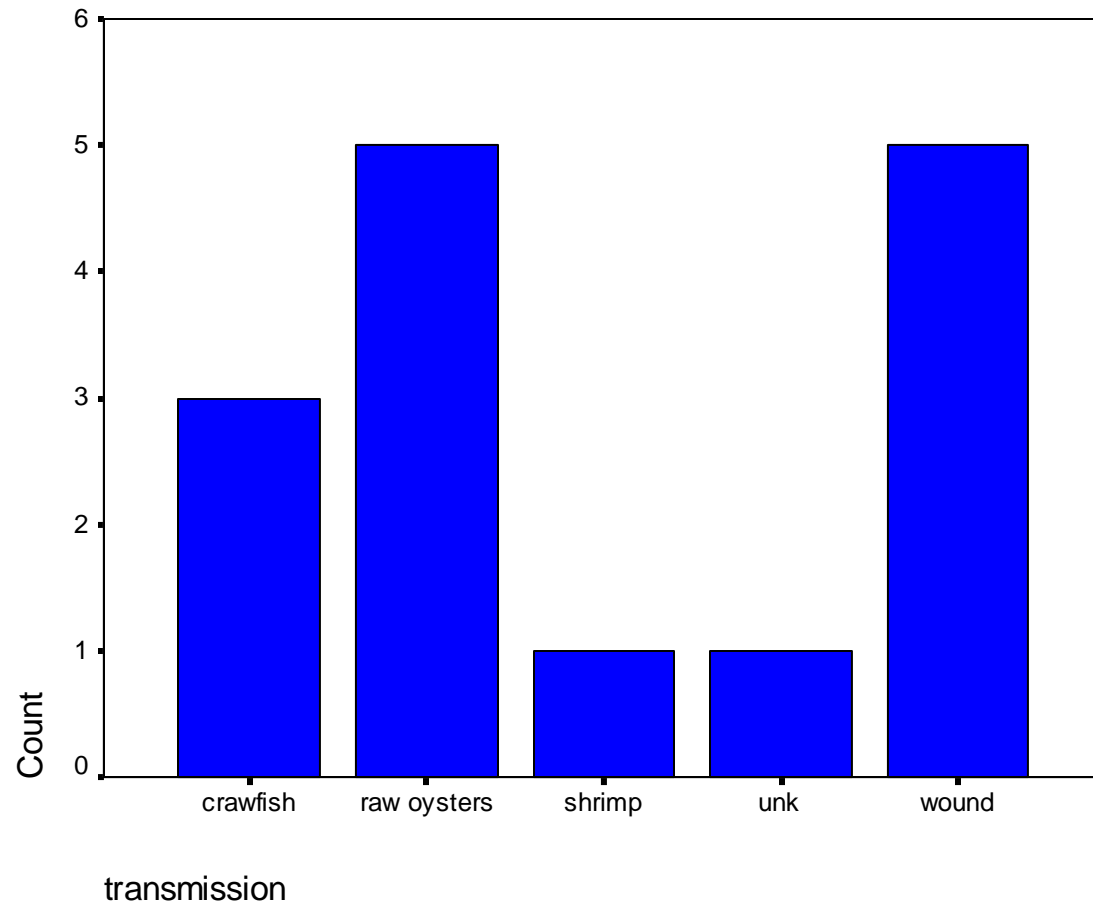
Vibrio 2004

- Descriptive data
- Only LA residents
- N = 15 completed reports
(Jan – July)
- Web based reporting soon in LA

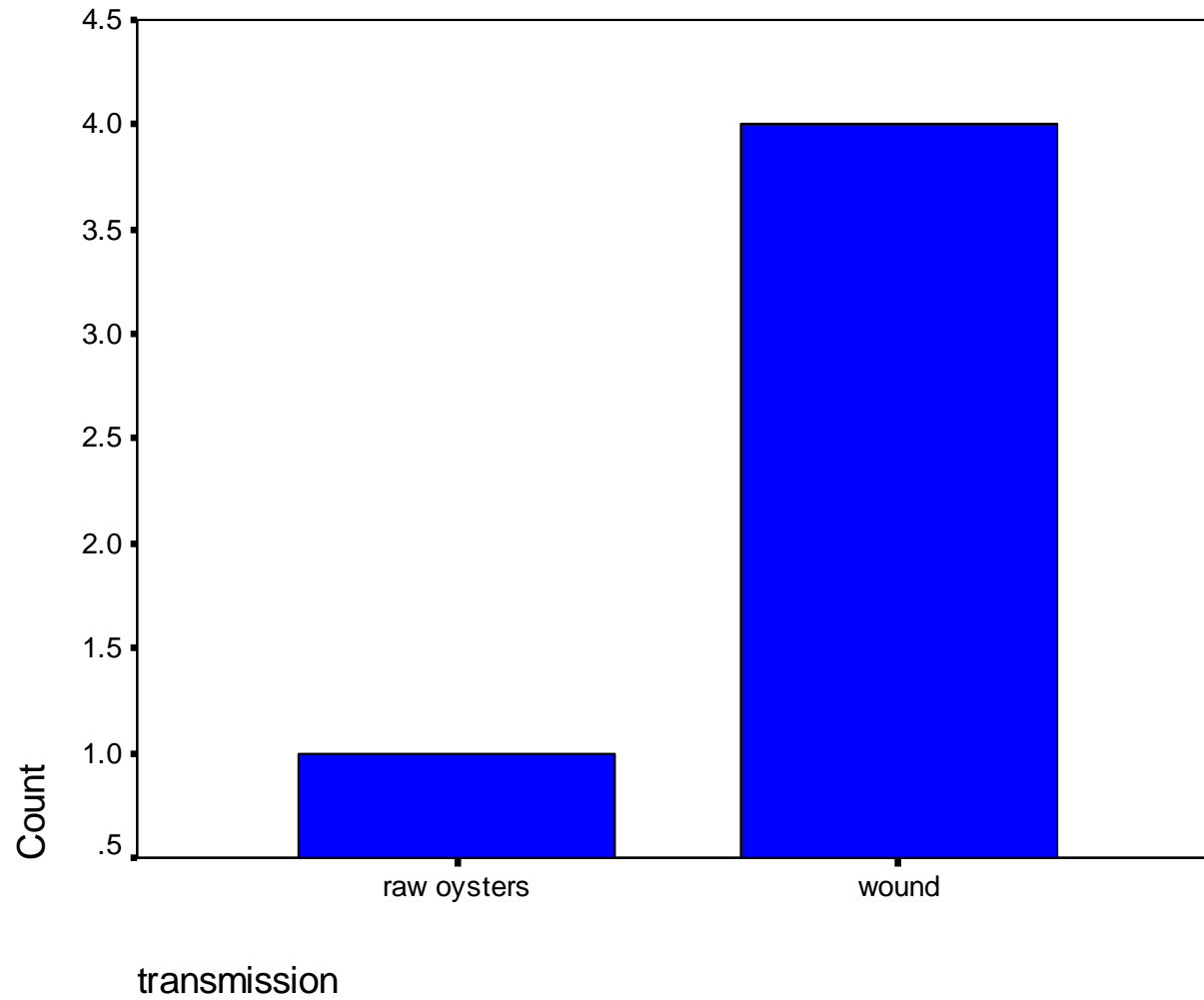
Vibrio cases by species, LA 2004 (Jan – July)



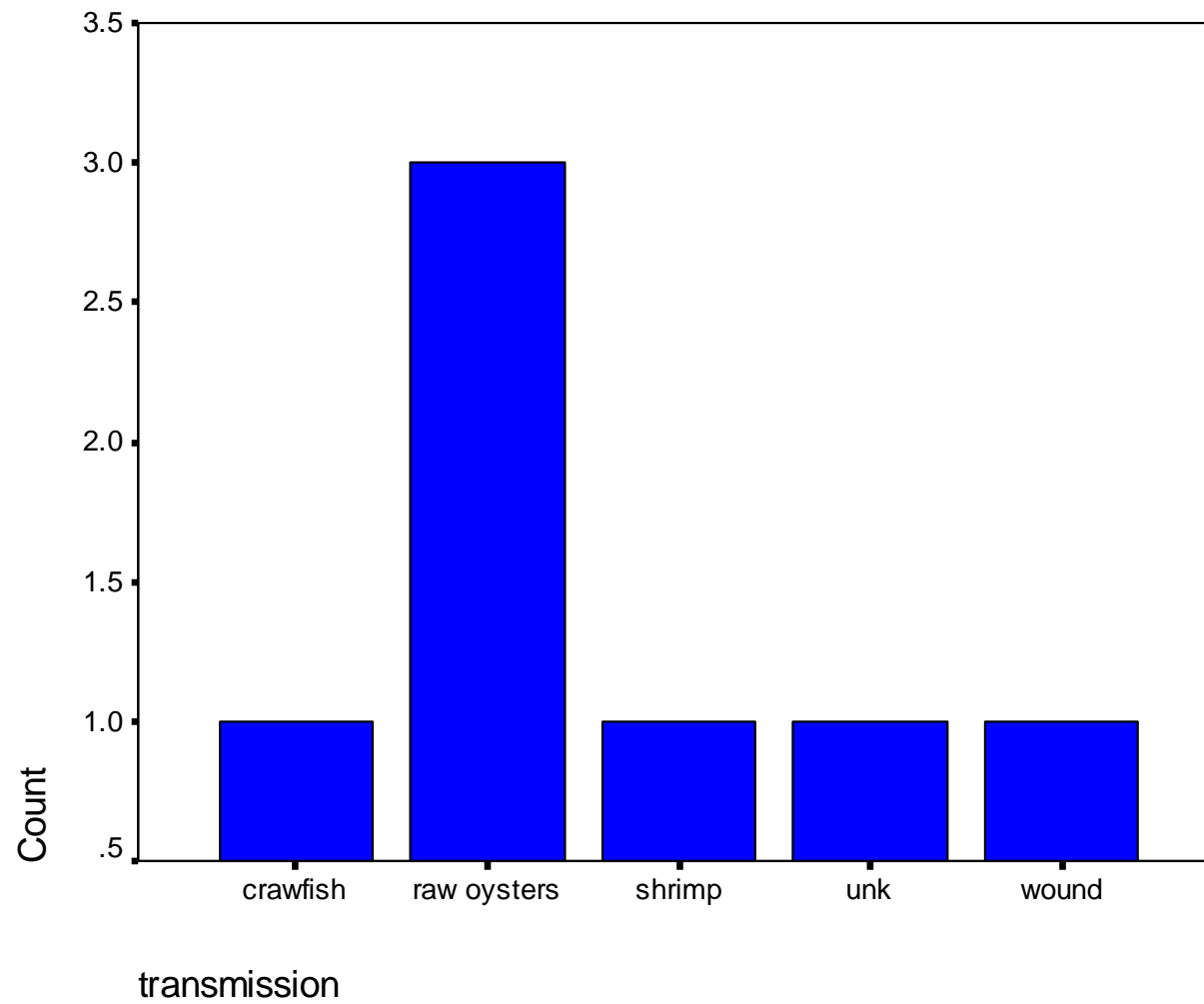
Vibrio cases 2004 by mode of transmission



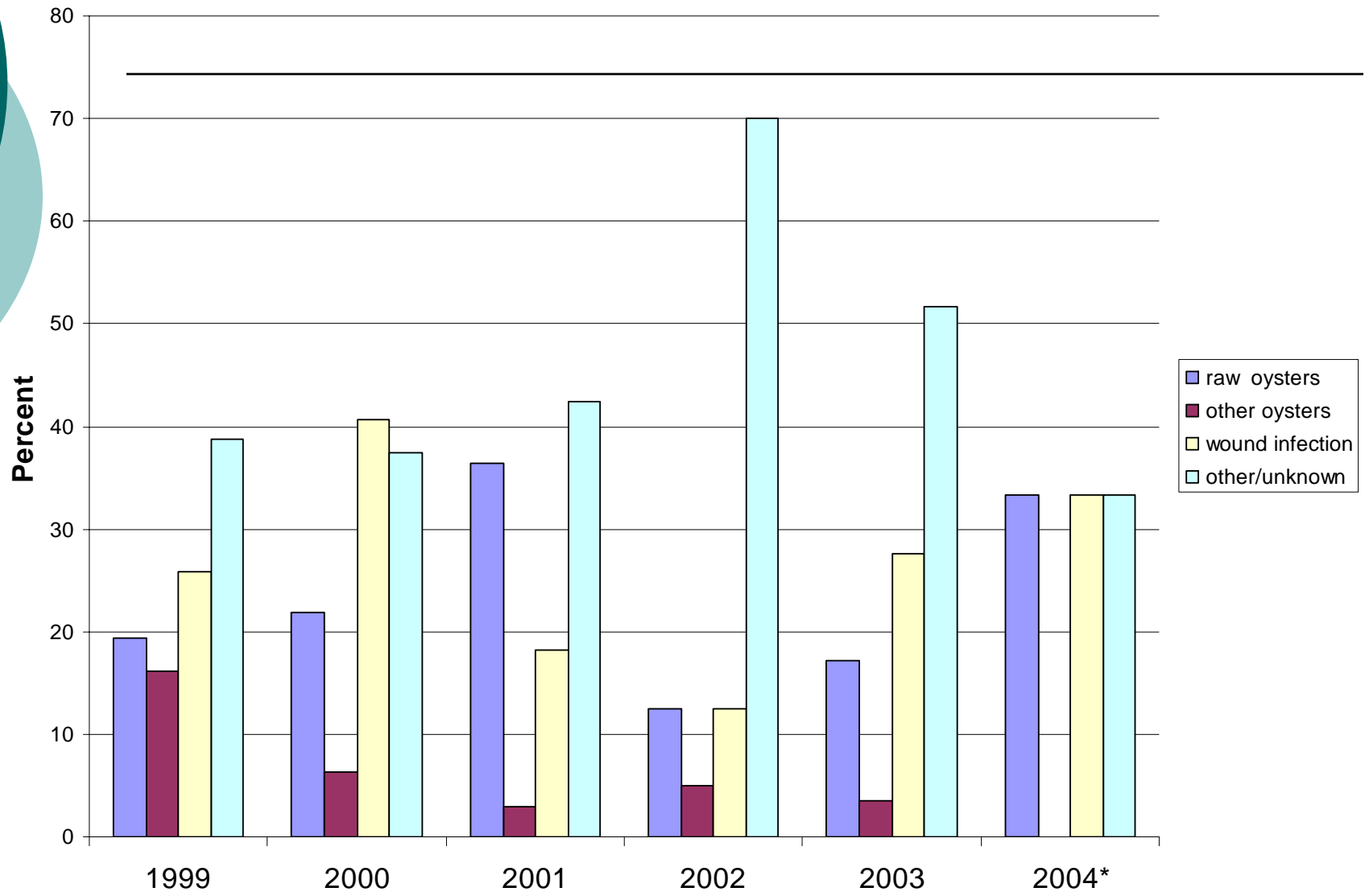
Vibrio vulnificus cases by mode of transmission- 2004



Vibrio parahaemolyticus by mode of transmission- 2004

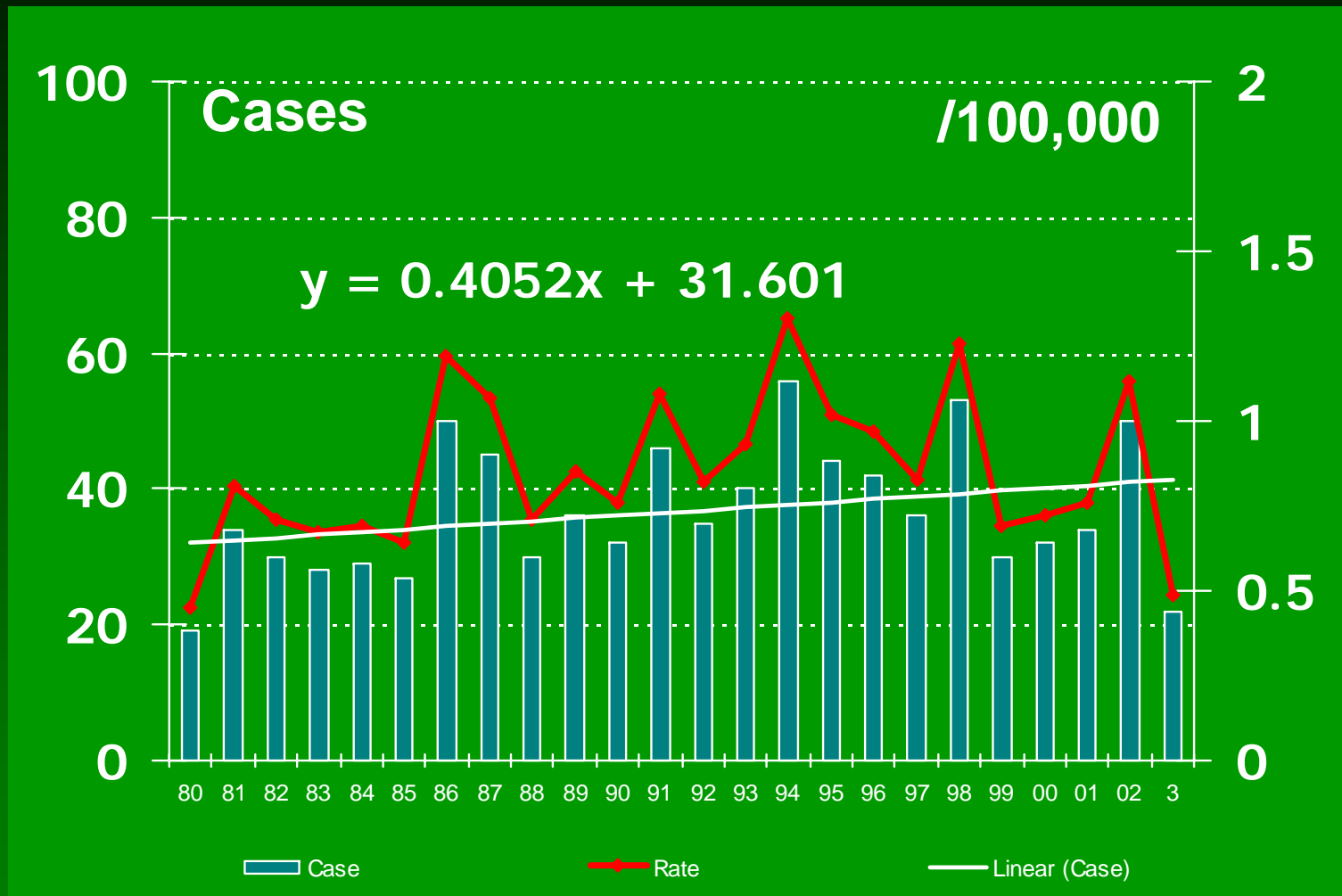


1999 - 2004* Vibrio infections by mode of transmission

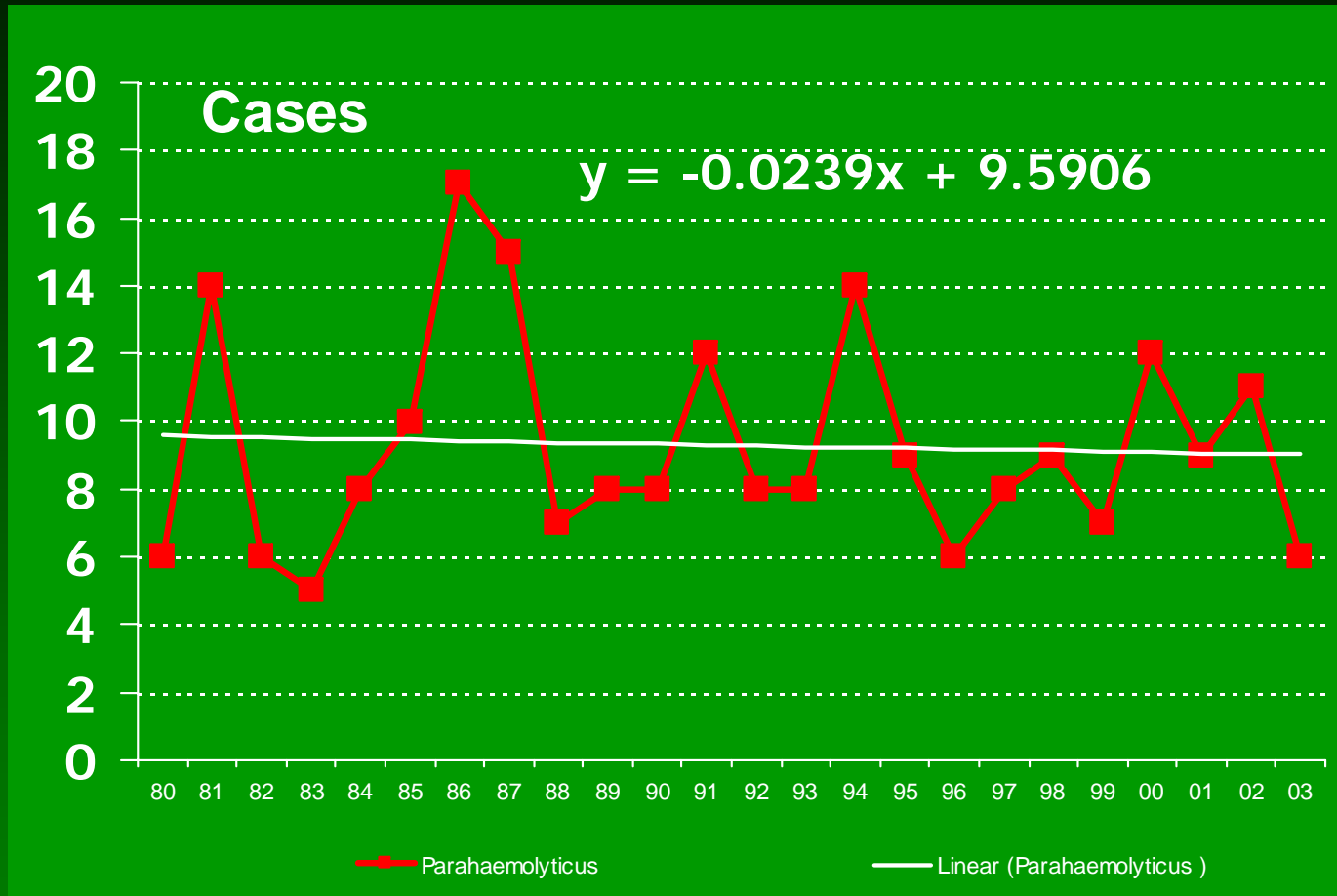


Vibrio Infections in Louisiana

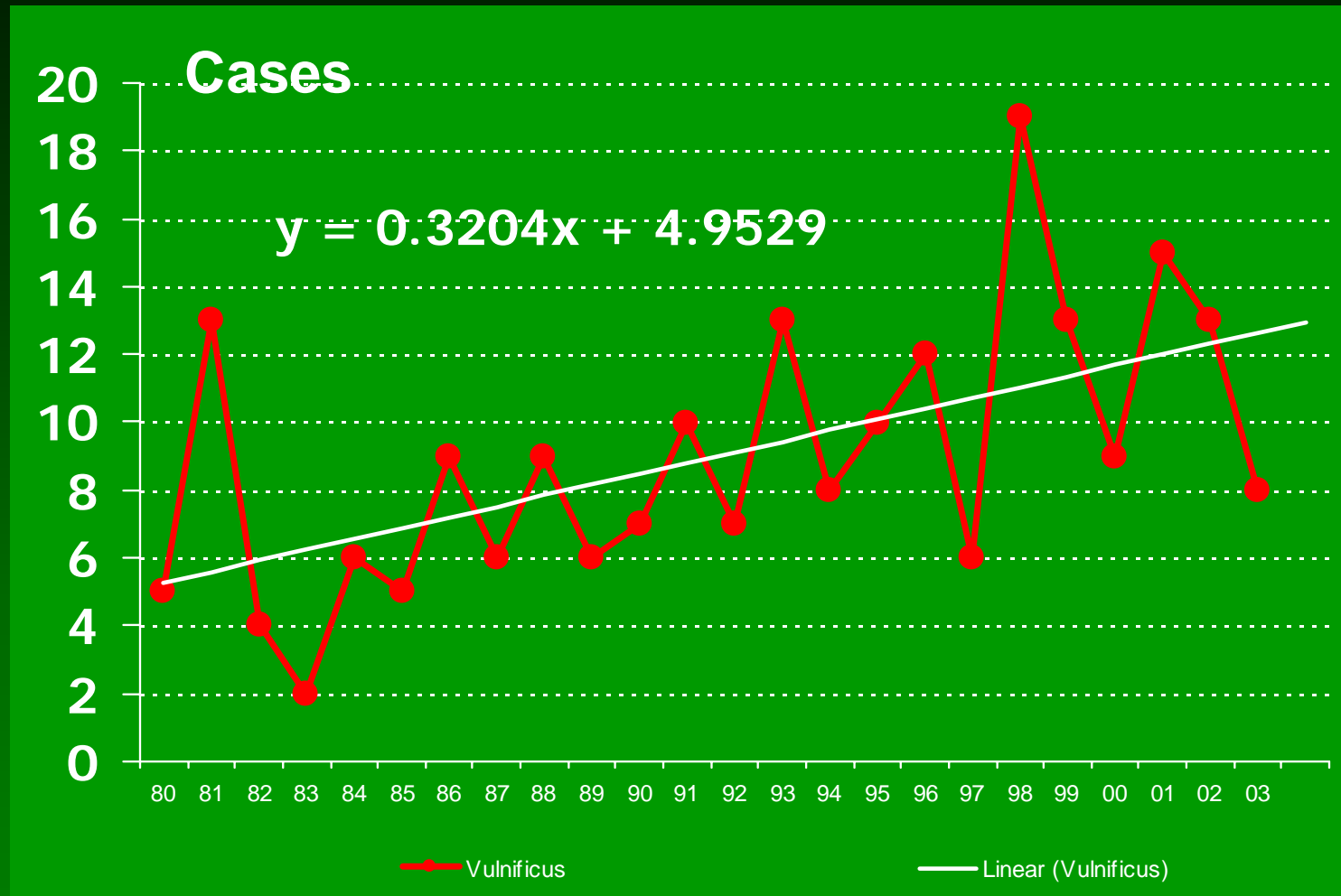
Vibrio Cases 1980-2003



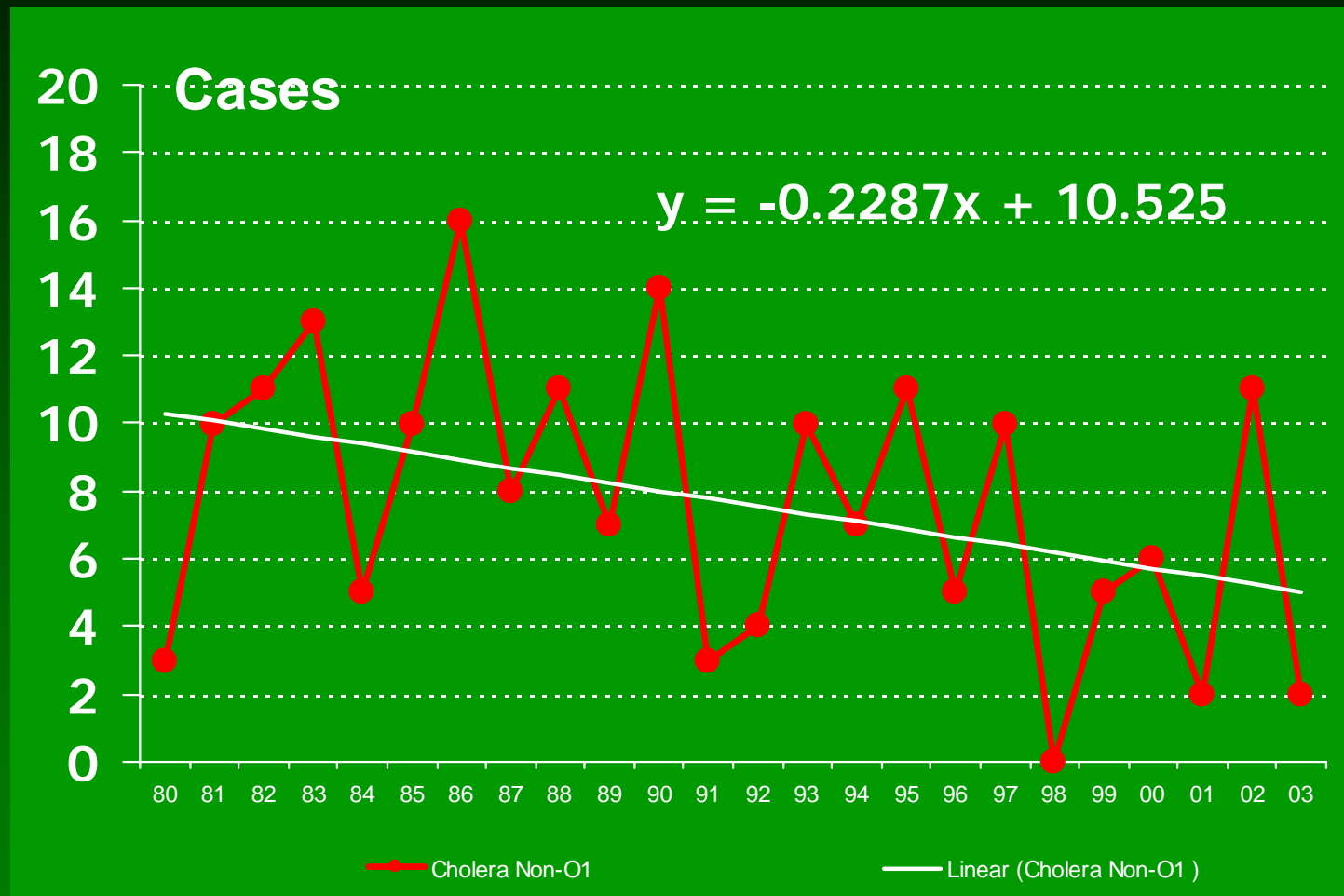
Vibrio parahemolyticus 1980-2003



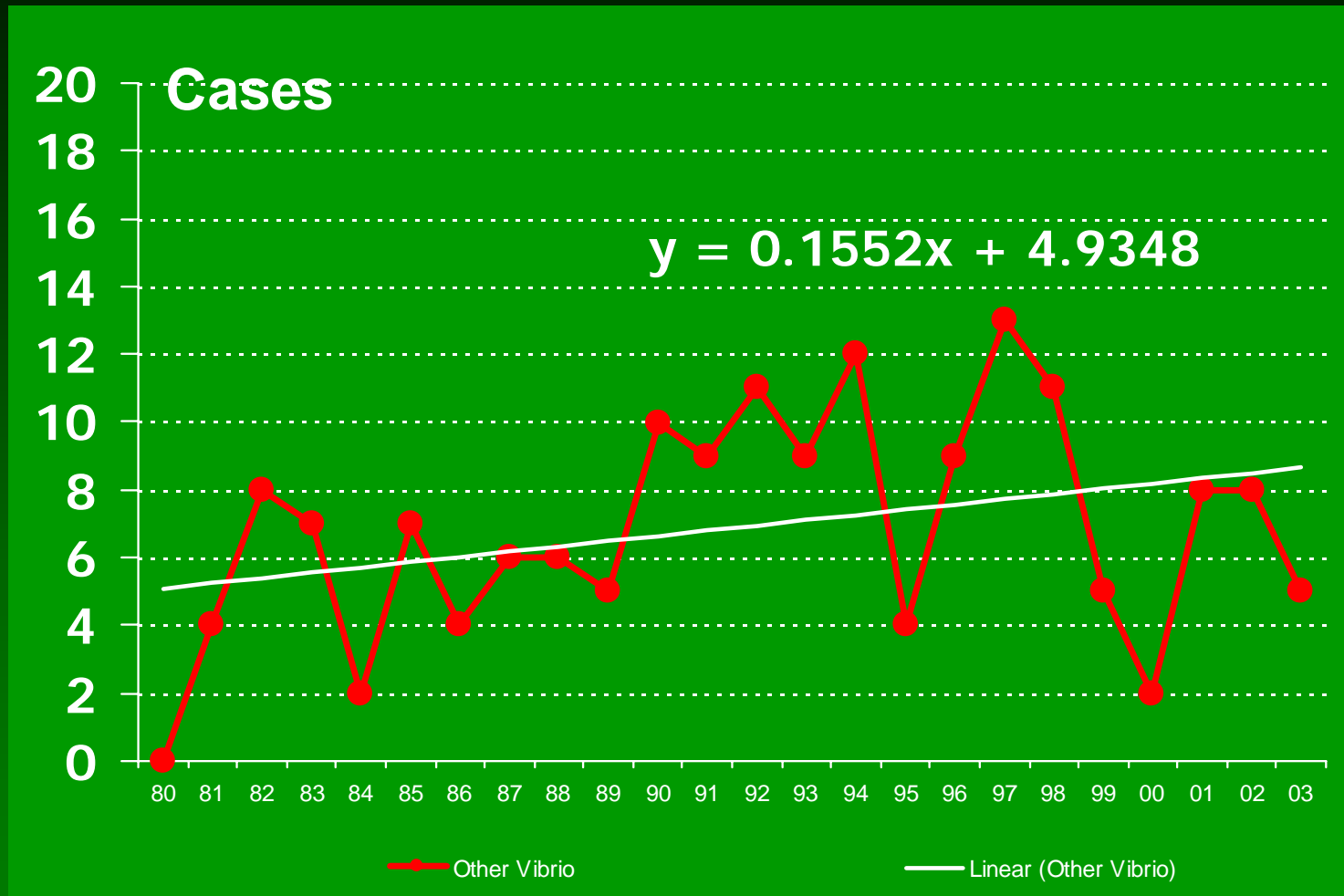
Vibrio vulnificus 1980-2003



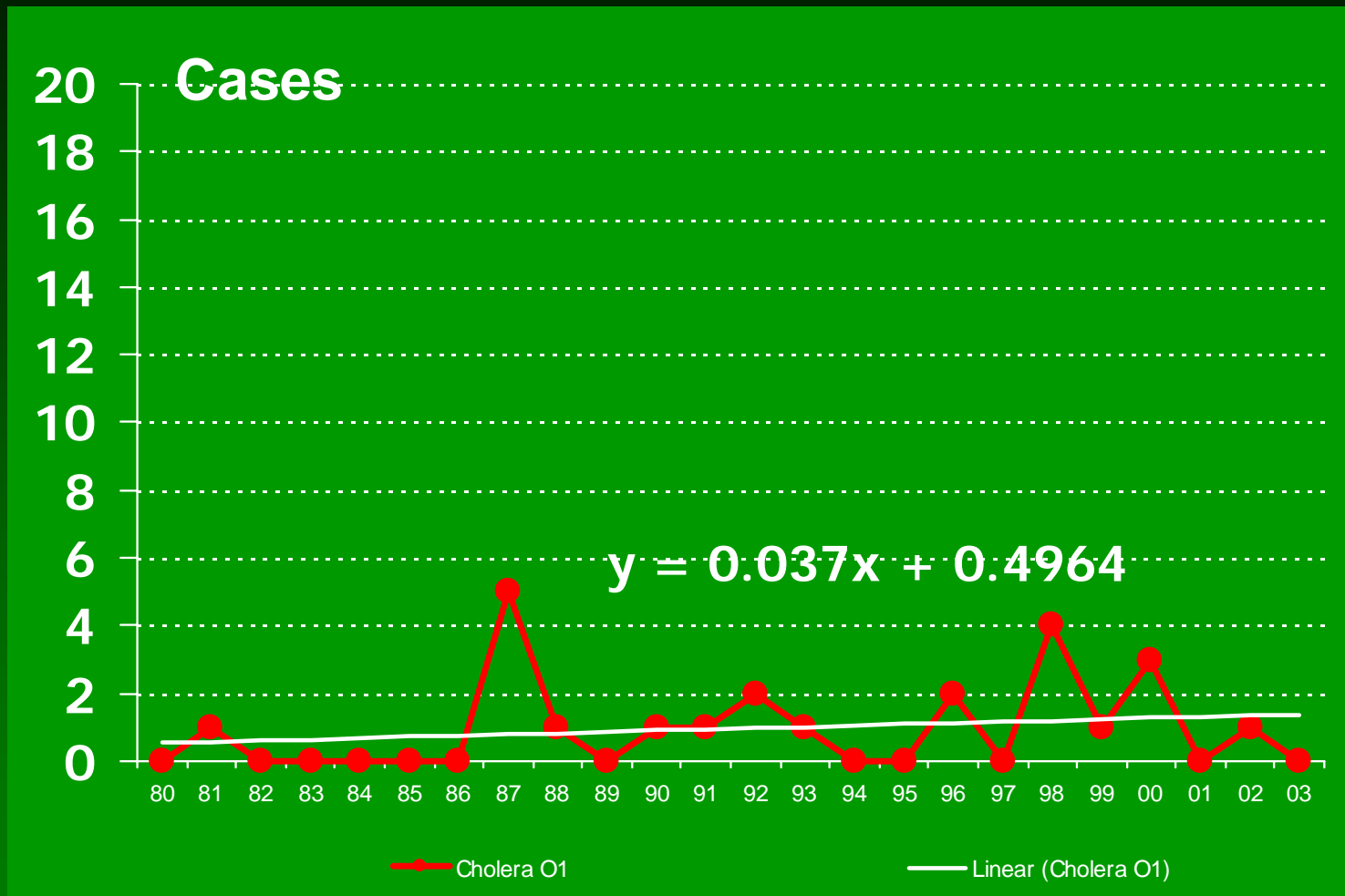
Vibrio cholerae Non O1 1980-2003



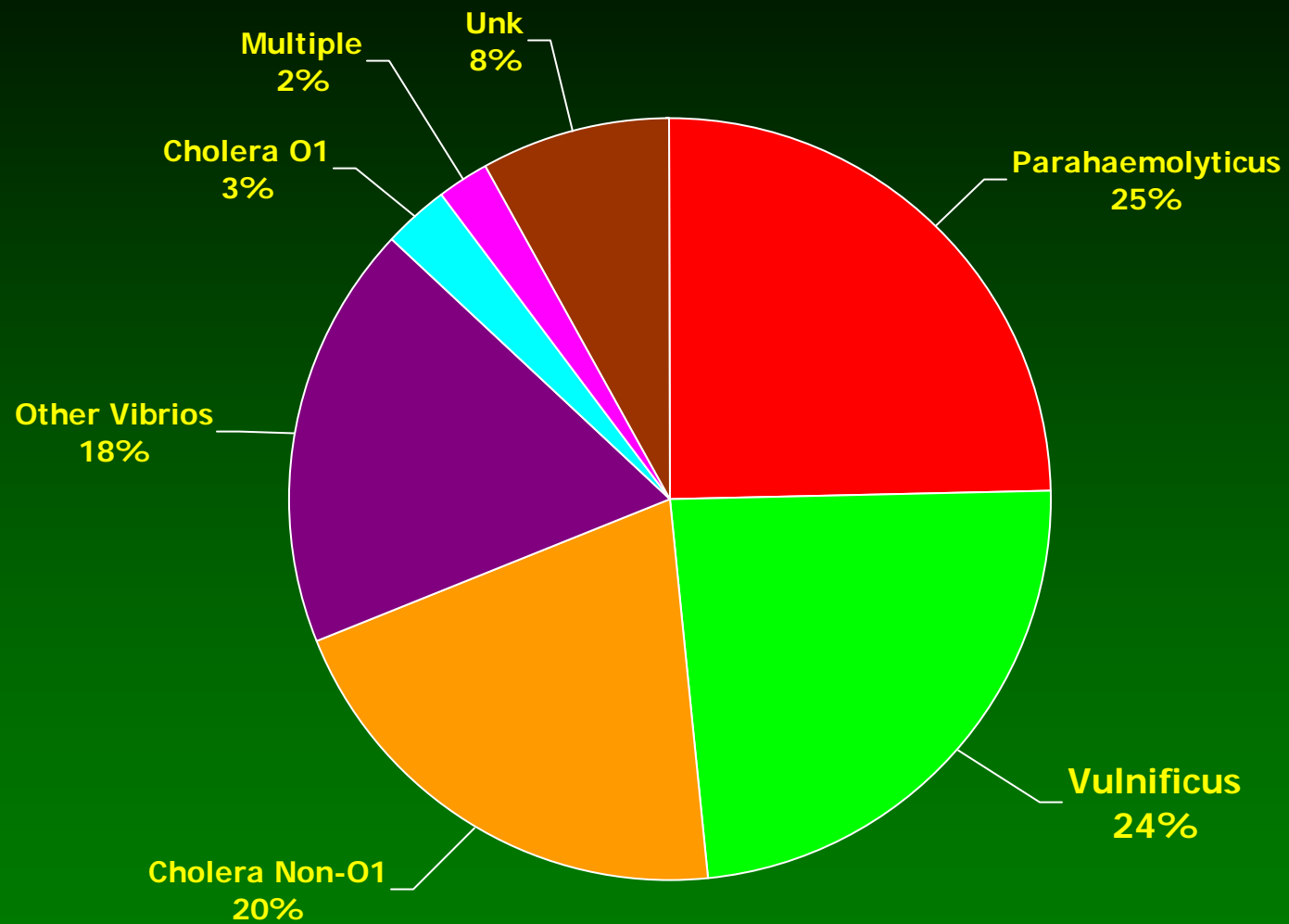
Other Vibrios 1980-2003



Vibrio cholerae O1 1980-2003



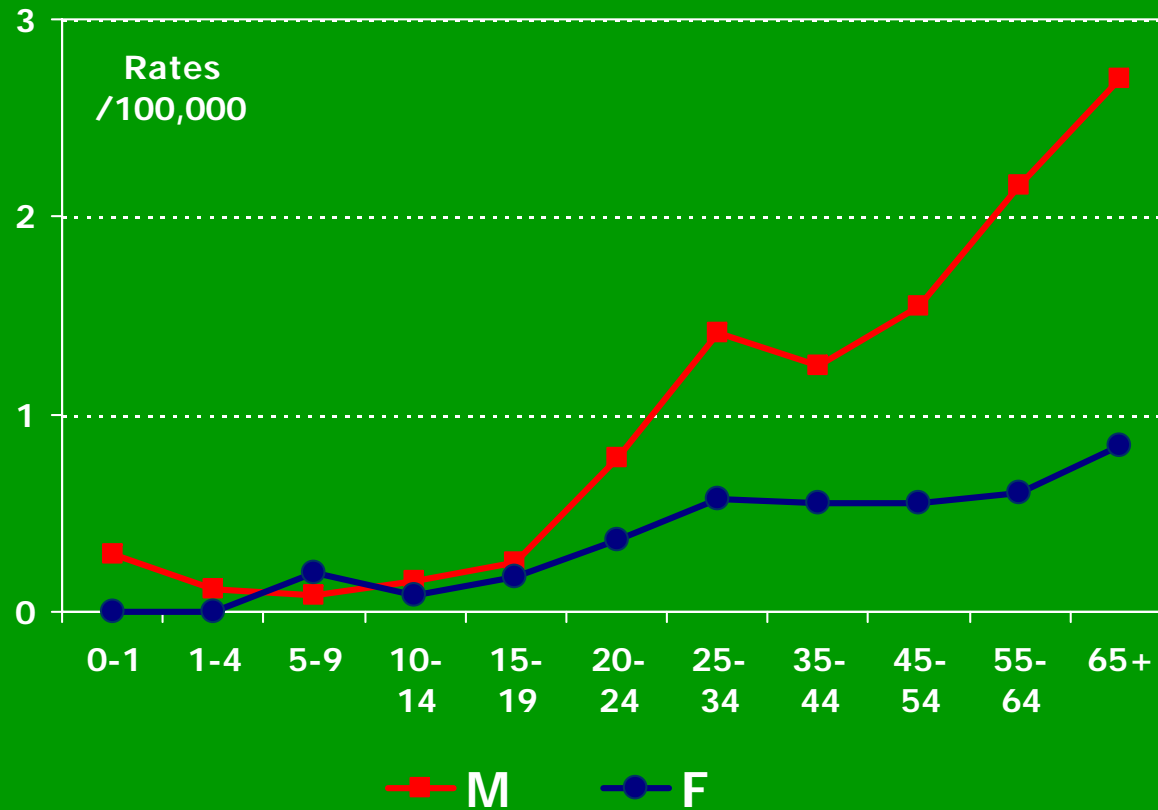
Vibrio Species 1980-2003



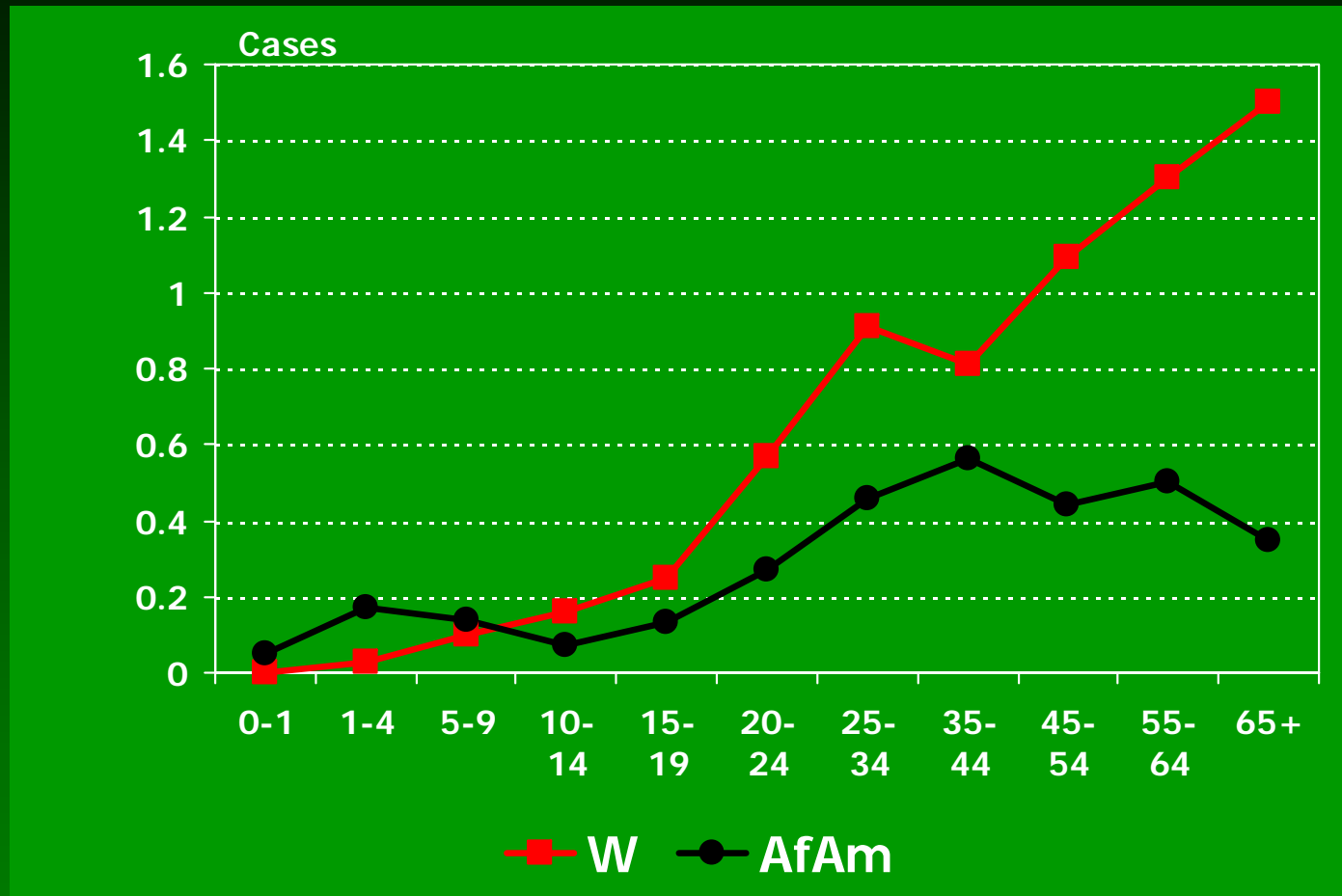
Vibrio Species

Parahaemolyticus	24.7
Vulnificus	23.8
Cholera Non-O1	20.4
Alginolyticus	2.9
Damselae	0.7
Fluvialis	3.8
Hollisae	2.8
Mimicus	7.6
Other	0.2
Sum above	18.3
Multiple	2.3
Unknown	8.1
Subtotal Non Cholera O1	97.5
Cholera O1	2.4

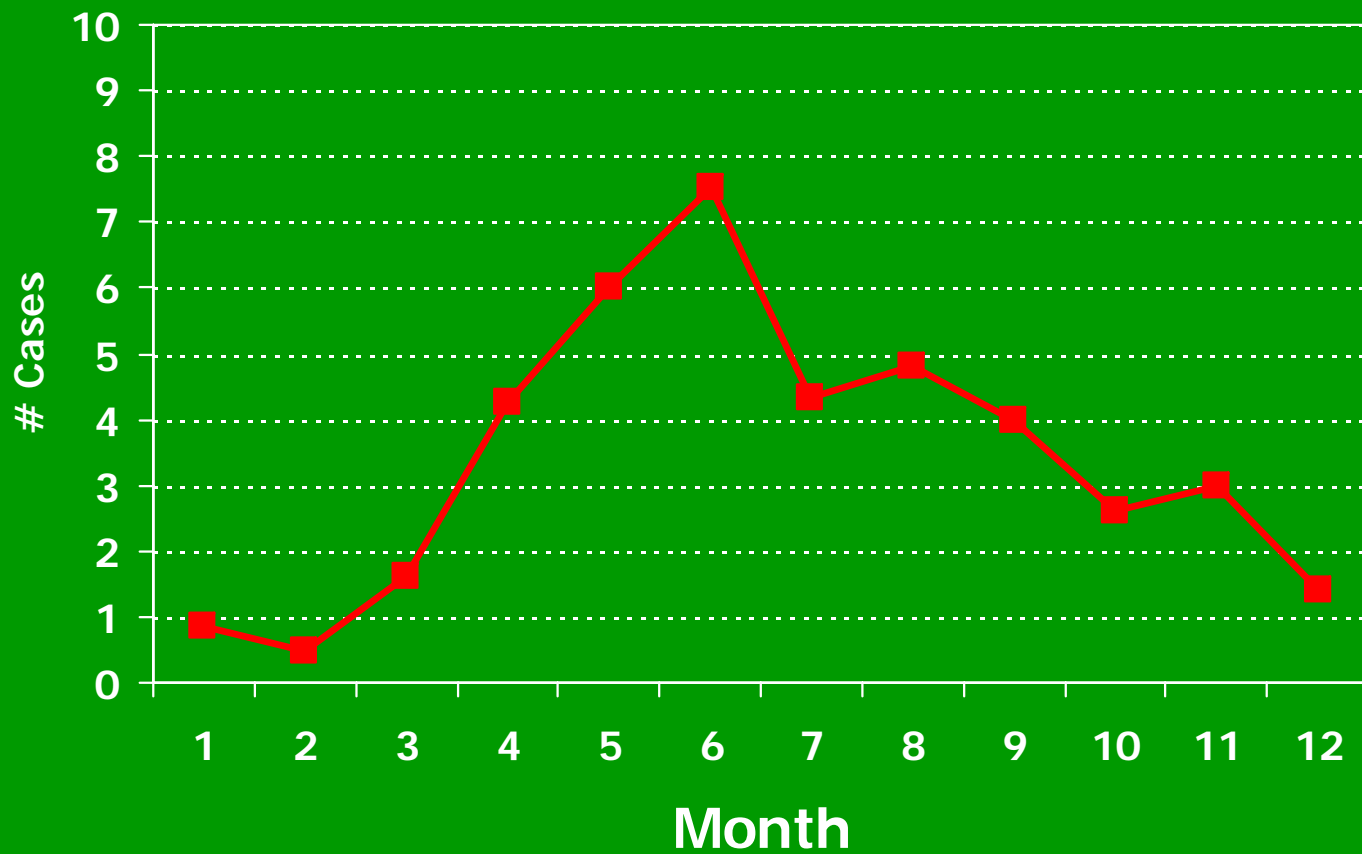
All Vibrios, by Age & Gender, 1980-2003



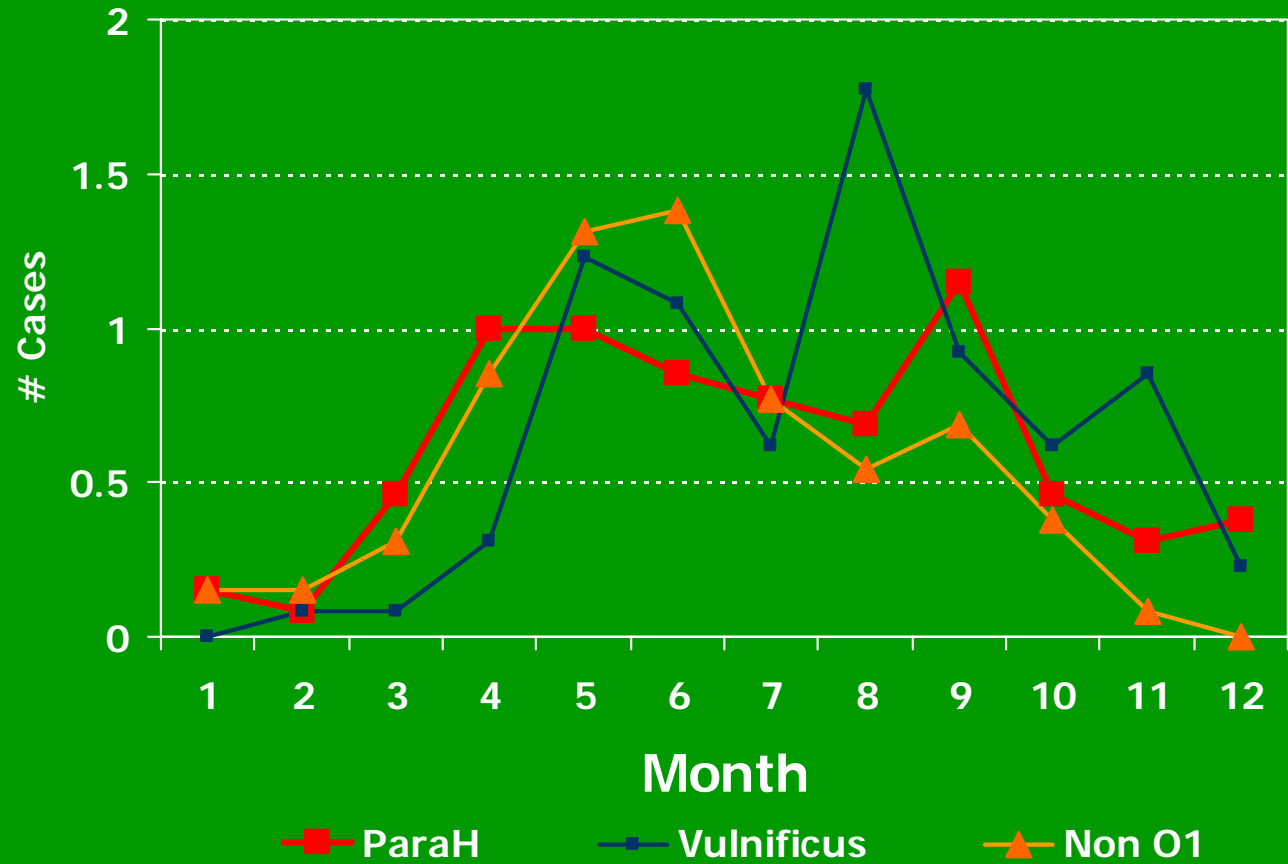
All Vibrios, by Race & Age, 1980-2003



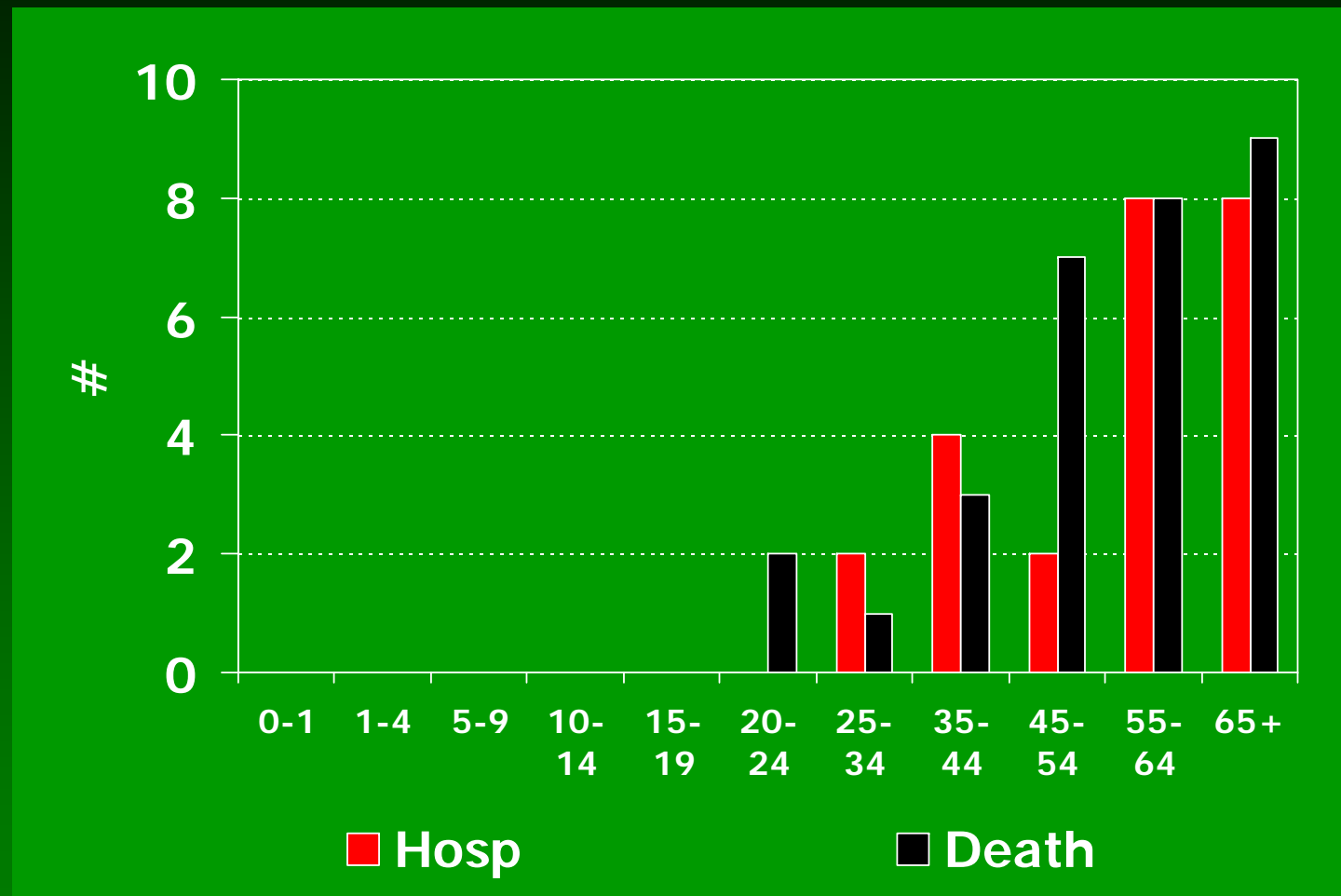
All Vibrio, Seasonal Distribution



Vibrio Seasonal Distribution



Vibrio Hospitalizations & Deaths, by Age Group, 1980-2003



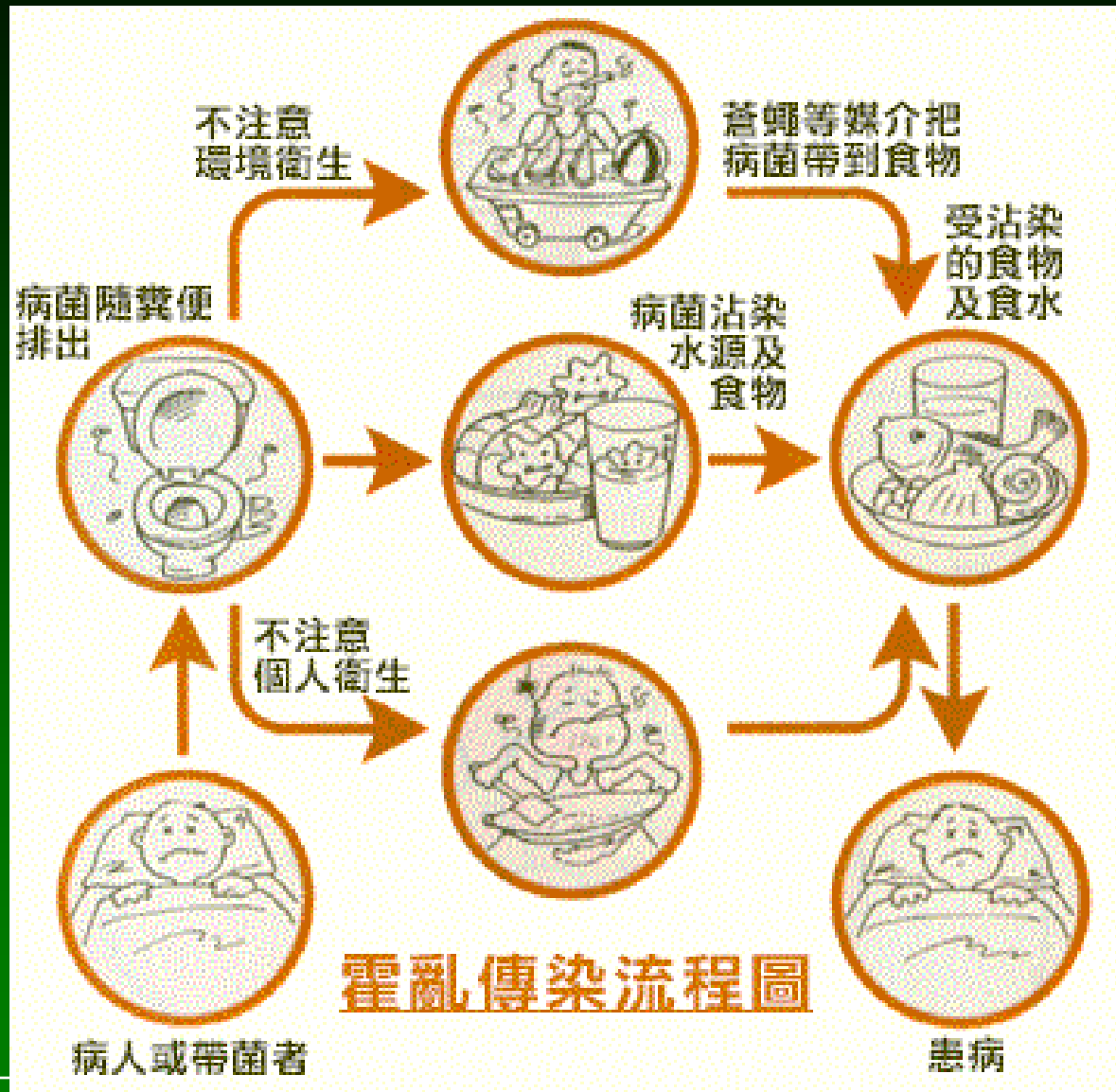
Preventive Measures

- **Personal Hygiene: Hand washing after defecation**
- **Sanitary preparation of food: cook shellfish, clean raw vegetables and fruits or cook them**
- **Disinfect water (boil) or use safe drinking water supply**
- **Cholera:**
 - **Contact prophylaxis of household contacts**
 - **Contact Isolation for hospitalized cases**

EPIDEMIOLOGIC SURVEILLANCE:

- **Culture all diarrhea cases**
- **case follow-up**

Prevention



Vibrio vulnificus Education in Florida

2004 Overview

Presenter:

Roberta M. Hammond, Ph.D.

Food and Waterborne Disease Coordinator

Bureau of Environmental Epidemiology

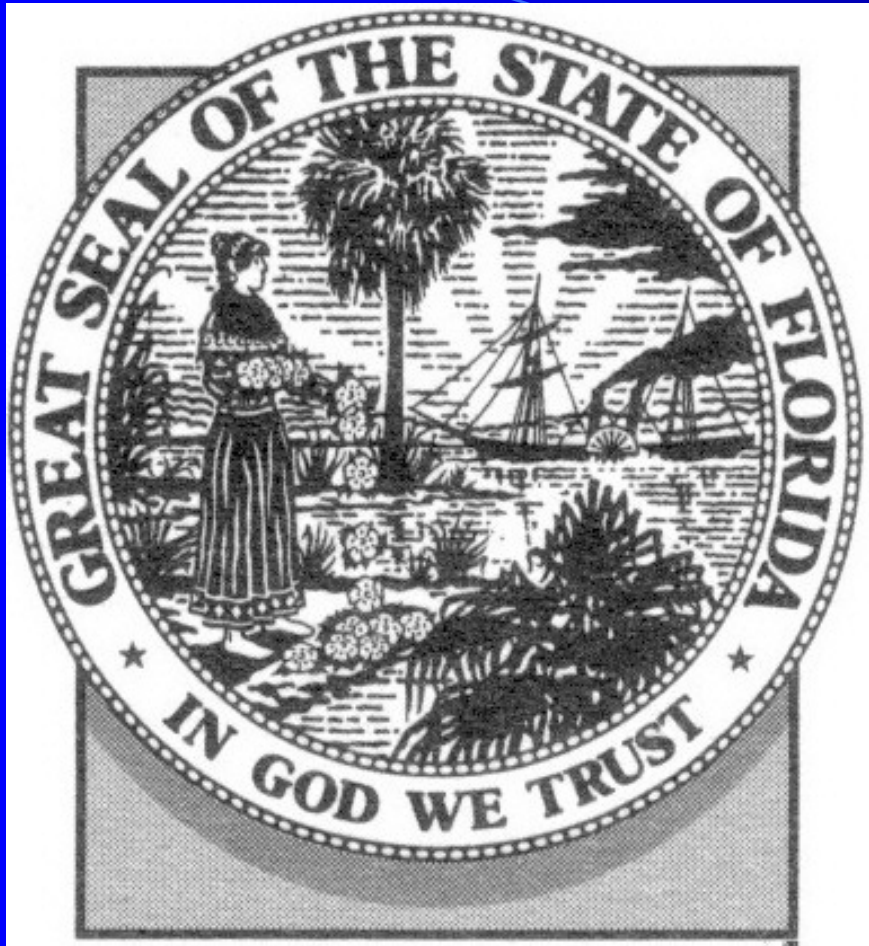
4052 Bald Cypress Way, Bin #A08

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This presentation is part of a national effort to promote education to health care providers, their high risk patients and other consumers regarding *Vibrio vulnificus* and ways to prevent it.

The Department of Health and the Department of Agriculture and Consumer Services are collaborative partners on this project. Funding for this project has been provided by the Department of Agriculture and Consumer Services and the Interstate Shellfish Sanitation Conference.

Florida Department of Agriculture and Consumer Services
CHARLES H. BRONSON, Commissioner

2004 Educational Activities

- 👉 Presentations
- 👉 Conference displays
- 👉 Media
- 👉 Educational materials

2004 Presentations

- ☞ Train-the-Trainer workshop for other Gulf Coast states and California health educators, New Orleans, April 13
- ☞ *Vibrio vulnificus*: Infection, Prevention and Treatment for Health Care Professionals
 - ✓ 2004 Summer Symposium of the Academy of Florida Physician's Assistants, Marco Island, August 6

2004 Displays

- ☞ Duval, Baker and Clay County Health Departments from January 14-April 18
- ☞ 3 Nassau County Health Department Clinics, April 23-June 18
- ☞ Florida Dietetic Association Annual Meeting, Palm Beach Gardens, July 12-13
- ☞ Florida Public Health Association/Florida Association of Public Health Nurses/Florida Environmental Health Association 2004 Joint Annual Educational Meeting and Trade Show, Orlando, July 29
- ☞ 2004 Summer Symposium of the Academy of Florida Physican's Assistants, Marco Island, August 4-7

Media

Press Release, May 28, 2004:
Department of Health Reminder
About the Potential Risk of Eating
Raw Oysters

Educational Material

FAMU Student Rotation project:

- ☞ Recontact Florida's liver support groups and ask if they would like to receive educational materials on *Vibrio vulnificus*.
- ☞ Project completed July 30.
- ☞ Brochures sent:
 - ✓ Liver support groups: 267 English, 76 Spanish
 - ✓ Organ transplant centers: 50 English, 50 Spanish

In the Works for 2004

- ☞ Proposal package to the Florida Medical Association to make the *Vibrio vulnificus* presentation available online for CEUs as well as in person to county medical associations for CEUs
- ☞ Ongoing presentations to local professional associations, county health departments and other interested groups
- ☞ Displays for National Food Safety Month, September

Under Discussion

- 👉 Development of state *Vibrio vulnificus* display
- 👉 Development of video of *Vibrio vulnificus* module

Harvester Education
Overboard Discharge/Safe Handling of Shellstock

- I. Shellfish Harvesters = First Line of Defense in Protecting Public Health
 - A. Brief overview of NSSP purpose
 - B. Role of industry in establishing guidelines to protect consumer
 - C. Liability issues

- II. Illness outbreaks
 - A. Causes
 - B. Economic impacts
 - 1. Direct costs
 - 2. Indirect impacts

- III. Overboard Discharge
 - A. NSSP requirements
 - B. Coast Guard requirements
 - 1. MSDs
 - a. Design
 - b. Costs
 - 2. Small boat requirements
 - a. “Common sense approach”

- IV. No-discharge Zones
 - A. EPA
 - 1. Description
 - 2. Requirements
 - 3. Pump-out stations
 - a. Locations
 - 4. Costs
 - 5. State examples
 - a. Locations
 - b. Costs

- V. Time and Temperature Controls
 - A. NSSP requirements
 - 1. Icing
 - 2. Refrigeration
 - B. State Requirements (examples)
 - C. Alternative approaches
 - 1. Tenders or buy boats

- VI. Shellfish Harvesters = First Line of Defense in Protecting Public Health