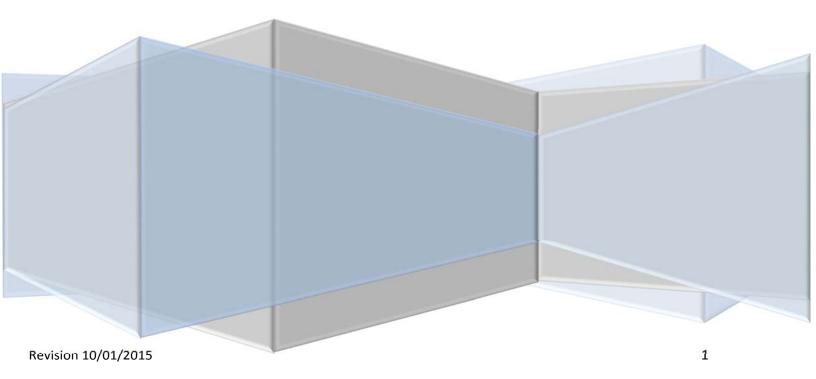




A Primer for Lone Ranger Epidemiologists

In Texas Counties

Monty G. Gomez, MPH and Pamela Stuart





Introduction

Welcome to the complex network of an Epidemiologist. There are several systems that you should be aware of for they can be beneficial throughout your journey. Your day to day duties will involve several existing agencies and include other network connections that you will build with time. In some cases you may be establishing a foundation for future growth of a department centered on Public Health Surveillance. As each jurisdiction defines its own interpretation of what an Epidemiologist does, do not be discouraged if you are unable to keep up with larger jurisdictions. When you encounter direct opposition or failure, look on your achievements day by day as a slow and steady race toward over quality improvement.

Listed in the remaining pages of this document you will find sources of information on specifics such as testing, reporting, training, and data tracking systems. You will also find direct phone numbers and websites to help you find the right answers quickly. I recommend that you establish an electronic contacts list if one is not readily available as this could be easy to filter, update, and share.

You are not expected to immediately know all of the answers to every question you are asked but in time you will be better at finding them. Work closely with your Regional office as they will assist you in finding help as they may be more versed in the particulars of your county. You are not alone in this endeavor. Together with the State and Regional Department of State Health Service offices we will make a broader and more accurate net of surveillance to protect the future of our residents.

Monty G. Gomez, MPH
Hays County Local Health Department



A Primer for Lone Ranger Epidemiologists in Texas Counties

- I. Introduction to DSHS structure
 - a. Health Service Regions
 - i. HSR and County Maps http://www.dshs.state.tx.us/regions/default.shtm
 - ii. HSR and LHD Coverage Map http://www.dshs.state.tx.us/uploadedImages/Content/Regional and Local Health/rls/rlhs-map-big.jpg
 - iii. County/FIPS/HSR Map List http://www.dshs.state.tx.us/chs/info/info txco.shtm
 - b. Central Office
 - i. DSHS Interactive Organization Chart http://www.dshs.state.tx.us/orgchart/default.shtm
 - ii. Disease Control and Prevention Division Organization Chart http://www.dshs.state.tx.us/orgchart/pps.shtm
 - iii. Infectious Disease Control Unit webpage http://www.dshs.state.tx.us/idcu/
 - iv. Contaminated Sharps Injury
 - http://www.dshs.state.tx.us/idcu/health/infection_control/bloodborne_pathogens/links/
 - v. EAID Call List- http://www.dshs.state.tx.us/idcu/about/DiseaseCallList.pdf
 - vi. Health Care-Associated Infections (HAI) http://www.dshs.state.tx.us/idcu/health/infection_control/hai/
 - Multidrug-Resistant Organisms (MDRO) http://www.dshs.state.tx.us/idcu/health/antibiotic resistance/
 - 2. Preventable Adverse Events (PAE) (*NEW) http://www.dshs.state.tx.us/IDCU/health/preventable-adverse-events/pae.aspx
 - vii. Immunization Branch http://www.dshs.state.tx.us/immunize/default.shtm
 - 1. HSR Immunization Managers http://www.dshs.state.tx.us/immunize/contact.shtm
 - 2. * Appendix C: State Office Call List by Program (graphics)
 - viii. Laboratory http://www.dshs.state.tx.us/lab/default.shtm
 - 1. Contacts http://www.dshs.state.tx.us/lab/mrs contacts.shtm
 - 2. * Appendix A: Microbiology Contact List (graphics)
 - 3. Lab Operations Unit http://www.dshs.state.tx.us/lab/lou.shtm
 - ix. Local Mental Health Authorities http://www.dshs.state.tx.us/mhcommunity/LPND/LMHAs/
 - x. Emergency Preparedness and Response http://www.dshs.state.tx.us/commprep/about.aspx
 - 1. Public Health Emergency Preparedness Branch http://www.dshs.state.tx.us/commprep/phep/program/
 - 2. Health Care Systems Branch http://www.dshs.state.tx.us/commprep/hcsp/Hospital-Preparedness-Program-(HPP).pdf.aspx
 - 3. Response and Recovery Unit
 - http://www.dshs.state.tx.us/commprep/response/ToolsInfo.aspx
 - xi. Zoonosis http://www.dshs.state.tx.us/idcu/health/zoonosis/disease/
 - 1. HSR Contacts http://www.dshs.state.tx.us/idcu/health/zoonosis/contact/
 - 2. * Appendix B: HSR and State Office Contacts (graphics)
 - 3. Vector Control http://www.dshs.state.tx.us/idcu/disease/arboviral/westNile/
- II. People to find and get to know in your local health department
 - a. Public Information Officer Your Local Representative May contact you to write articles
 - b. Safety Officer Your Local Representative May contact you to provide Blood-Borne Pathogens Training, First-Aid Training, CPR Training, etc.
 - i. Blood-Borne Pathogens Training Resources https://www.osha.gov/SLTC/bloodbornepathogens/otherresources.html
 - ii. First-Aid/CPR Training http://www.redcross.org/take-a-class
 - c. Specialty diseases (e.g. TB, STDS) Your Local Representative It may be You
 - i. HIV/STD



- 1. Reporting http://www.dshs.state.tx.us/hivstd/healthcare/reporting.shtm
- 2. Topics and Information http://www.dshs.state.tx.us/hivstd/topics.shtm
- 3. News and Events http://www.dshs.state.tx.us/hivstd/default.shtm
- 4. Contact List http://www.dshs.state.tx.us/hivstd/info/contact.shtm
- ii. Tuberculosis
 - 1. News and Announcements http://www.dshs.state.tx.us/idcu/disease/tb/
 - 2. Reporting Laws- http://www.dshs.state.tx.us/idcu/disease/tb/reporting/
 - Case Definition http://wwwn.cdc.gov/NNDSS/script/casedef.aspx?CondYrID=876&DatePub=1/1/2009%2012:0
 0:00%20AM
- iii. Refugee Health http://www.dshs.state.tx.us/idcu/health/refugee health/
- iv. Hansen's Disease http://www.dshs.state.tx.us/idcu/disease/hansens/
- d. Emergency Preparedness
 - i. Prepare for an Emergency http://www.dshs.state.tx.us/prepare-for-an-emergency.aspx
 - ii. Plans, Guides, and Checklist http://www.dshs.state.tx.us/preparedness/e-prep_public.shtm
 - iii. Local Red Cross Look Up http://www.redcross.org/find-your-local-chapter
- e. Animal Control Officers Google search Helpful for investigating zoonoses
 - i. Contact your county office; not all county offices have Animal Control Services
- f. Animal Welfare
 - i. Texas Animal Health Commission www.tahc.state.tx.us/
 - ii. Animal Welfare Organizations http://www.petfinder.com/awo/index.cgi
- g. Immunizations
 - i. CDC Pink Book (13th Edition 2015) http://www.cdc.gov/vaccines/pubs/pinkbook/index.html
 - ii. CDC webpage http://www.cdc.gov/vaccines/
 - iii. DSHS webpage http://www.dshs.state.tx.us/immunize/
- III. Environmental Health / Sanitarians
 - i. DSHS Licensing Public Search (by name or organization)- https://vo.ras.dshs.state.tx.us/
 - ii. Environmental Epidemiology http://www.dshs.state.tx.us/epitox/default.shtm
- IV. People to find and get to know in your community
 - a. Law enforcement
 - i. Bloodborne Pathogen Exposure Post Exposure Prophylaxis for Blood & Body Fluids http://www.dshs.state.tx.us/idcu/health/infection_control/bloodborne_pathogens/links/
 - b. News Reporters They Will Find You
 - c. Health care providers Google search
 - i. Private physicians Google search
 - ii. Laboratory personnel Google search
 - iii. Private Lab staff /technicians- Google search
 - iv. Infection preventionists Google search
 - 1. NHSN http://www.cdc.gov/nhsn/
 - 2. APIC http://www.apic.org/
 - 3. TSICP http://tsicp.org/
 - v. School Nurses They Will Find You
 - School nurses (TEA link for identifying schools) (AskTED) http://mansfield.tea.state.tx.us/tea.askted.web/Forms/Home.aspx
 - 2. DSHS School Health Program http://www.dshs.state.tx.us/schoolhealth/
 - DSHS Communicable Disease Chart for Schools and Child-Care Centers http://www.dshs.state.tx.us/Layouts/ContentPage.aspx?PageID=29853&id=8589950217&ter
 ms=communicable+disease+chart



- d. Emergency management
 - i. Local Contacts
 - 1. TX Department of Public Safety http://dps.texas.gov/contact.htm
 - ii. Emergency Notification Systems
 - 1. Amatra http://www.amatra.com/
 - iii. DSHS Regional Advisory Councils (RAC)
 - 1. EMS Trauma System http://www.dshs.state.tx.us/emstraumasystems/Etrarac.shtm
 - iv. FEMA http://www.fema.gov/
 - v. BioWatch *Appendix D: Fact sheet (graphic)
 - vi. Emergency Response Guidebook http://phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Files/Hazmat/ERG2012.pdf
- e. Government Policy Makers
 - Texas Association of Regional Council -http://www.txregionalcouncil.org/display.php?page=regions-map.php
 - ii. WebEOC https://webeoc.dps.texas.gov/ (* secure website)
- V. Disease and Injury Reporting
 - a. Code of Federal Regulations
 - i. Public Welfare: Title 45 Subchapter C Part 164 Sub part E http://www.gpo.gov/fdsys/pkg/CFR-2002-title45-vol1-sec164-512.xml
 - b. Laws (Chapter 81 and Chapter 98 of Health and Safety Code)
 - i. Chapter 81 Communicable Disease http://www.statutes.legis.state.tx.us/Docs/HS/pdf/HS.81.pdf
 - ii. Chapter 98 Reporting of Health Care-Associated Infections and Preventable Adverse Events http://www.statutes.legis.state.tx.us/Docs/HS/htm/HS.98.htm
 - c. Texas Administrative Code
 - i. Chapter 97 Communicable Diseases
 http://texreg.sos.state.tx.us/public/readtac\$ext.ViewTAC?tac_view=4&ti=25&pt=1&ch=97
 - ii. Chapter 200 Reporting of Health Care-Associated Infections and Preventable Adverse Events http://texreg.sos.state.tx.us/public/readtac\$ext.ViewTAC?tac_view=4&ti=25&pt=1&ch=200
 - d. Texas Notifiable Conditions list
 - i. http://www.dshs.state.tx.us/idcu/investigation/conditions/
 - ii. http://www.dshs.state.tx.us/IDCU/investigation/Texas-Notifiable-Conditions.doc
 - e. CDC Case Definitions http://wwwn.cdc.gov/nndss/conditions/notifiable/2015/infectious-diseases/
 - f. Outbreak Reporting
 - i. Health Emergency Preparedness and Response Section http://www.dshs.state.tx.us/commprep/welcome.aspx
 - ii. Foodborne and Waterborne See VI and iii Outbreak Reporting, Foodborne
 - iii. Respiratory Outbreaks See VI ii Outbreak Reporting, IRID
 - iv. Creating Outbreaks in NEDSS Policy on Naming Outbreaks in NBS.doc
 - g. Data systems, Software, and Organizations
 - i. Public Health Information Network https://www.txphin.org/sign_in
 - ii. Voltage SecureMail (FREE) http://www.voltage.com/products/securemail/
 - iii. 7 Zip Encryption Software (FREE) http://www.7-zip.org/
 - iv. LabWare https://results-web.dshs.state.tx.us:8443/index.jsp
 - v. CIDRAP http://www.cidrap.umn.edu/
 - vi. EpiX http://www.cdc.gov/epix
 - vii. Epi Info v7 http://wwwn.cdc.gov/epiinfo/
 - viii. ProMed http://www.promedmail.org/
 - ix. APIC https://apic.org/Member-Services/Join
 - x. TEHA http://www.myteha.org/Home



- xi. County Health and Rankings http://www.countyhealthrankings.org/app#/home
- xii. Obituaries http://www.legacy.com/NS/
- xiii. Whitepages http://www.whitepages.com/
- xiv. ImmTrac http://www.dshs.state.tx.us/immunize/immtrac/default.shtm
- xv. NBS (NEDSS Base System)
 - 1. Login Page https://txnedss.dshs.state.tx.us:8009/login/login.asp

(NOTE: You will not be able to access until you have attended the Introduction to NBS and completed the certification. Your IT staff will work with the NEDSS Office and the DSHS NOC to configure workstations at that time. Once you receive your login and password, you will be able to access online.)

- 2. Intro training Contact Pamela Stuart at Pamela.stuart@dshs.state.tx.us or (512) 776-6528
- 3. Reports Training Contact Pamela Stuart at Pamela.stuart@dshs.state.tx.us or (512) 776-6528
- 4. Help and Information Contact NEDSS at nedss@dshs.state.tx.us
- 5. About NEDSS http://www.dshs.state.tx.us/nedss/about.shtm
- 6. * Appendix E: Program Areas in NBS (graphics)
- * Appendix F: Frequently Asked Questions (graphics) https://txnedss.dshs.state.tx.us:8009/PHINDox/UserResources/FAQ.mht
- 8. NBS User Resources https://txnedss.dshs.state.tx.us:8009/PHINDox/UserResources/ (NOTE: You will not be able to access until you have attended the Introduction to NBS and completed the certification. Your IT staff will work with the NEDSS Office and the DSHS NOC to configure workstations at that time. Once you receive your login and password, you will be able to access online.)
- 9. * Appendix G: Incubation Periods (graphics) https://txnedss.dshs.state.tx.us:8009/nbs/incubation.pdf

(NOTE: You will not be able to access until you have attended the Introduction to NBS and completed the certification. Your IT staff will work with the NEDSS Office and the DSHS NOC to configure workstations at that time. Once you receive your login and password, you will be able to access online.)

- 10. NEDSS Resources
 - a. Epi Case Criteria Guide (Rev 2015) https://txnedss.dshs.state.tx.us:8009/PHINDox/UserResources/Epi%20Case%20Criteria%20Guide%202015.pdf
 - b. Data Entry Guidelines (Rev April 2015) https://txnedss.dshs.state.tx.us:8009/PHINDox/UserResources/NBS%20Data%20Entry%20Guide%202015.pdf
- VI. Outbreak investigations resources (written guidance, how to report) (Ask each SME)
 - i. Vaccine Preventable Diseases http://www.dshs.state.tx.us/idcu/investigation/
 - ii. Invasive and Respiratory Infectious Diseases http://www.dshs.state.tx.us/idcu/investigation/
 - iii. Foodborne Illness- http://www.dshs.state.tx.us/idcu/health/foodborne_illness/
 - 1. Investigation forms http://www.dshs.state.tx.us/idcu/investigation/
 - 2. CDC NORS http://www.cdc.gov/nors/pdf/NORS CDC 5213.pdf
 - iv. HAI http://www.dshs.state.tx.us/idcu/health/infection control/hai/
- VII. * Appendix H: Acronyms/Glossary (graphics)
- VIII. * Appendix I: Medical Terminology Abbreviations (graphics)
- IX. * Appendix J: List of References (graphics)



Appendix A:

Dr. Liz Delamater, Branch Manager - 7592 (cell-634-6734)			
ACD Line 458-3956 Supervisor On-call (Micro)- 699-7152			
Administrative Support			
Tammy Campos/Admin Asst. III	7599	Carol Meredith/Admin Asst II	7581
		Candace Rogers/ Admin I	7591
Mycobacteriology/Mycology Grou	ıp	Serological Analysis Group	
Denise Dunbar (Group Manager)	7342	Pushker Raj (Group Manager)	7760
Ken Jost - Tuberculosis Applications Scienti	7580	HIV/STD Team	
TB Diagnostic Team		Dawn Dutelle - Team Lead	7657
Claudia Sandoval - Team Lead	7586	Amanda Harmon	2449/2403
Jamie Stuart Open - Micro I	2046	Martin Morales	2449/2403
Rinku Damani	2046	Marvin Coombs	2449/2403
Baron Andrus	2046	Anthony Torres	2449/2403
Lekha Kumar	2046	Diagnostic Serology Team	
Open Micro III	2046		
Justin Arnold Sam Angulo	2046	Karen Teague - Team Lead	7514
Jill Alexander (HPLC Lab)	2844	Sharlan Simmons	2450
Robert Montoya (HPLC Lab)	2844	Jing Li	2450
TB Reference Team		Shashikant Patel	2450
Jan Owen - Team Lead	2687	Randy Busse	2450
Michael Payne Patrick Callaghan	2699	Eva Weston	2450
Ben Alpers	2699	Bacteriology/Parasitology Diagnostic Group	
Open - Micro II	2699	Chun Wang (Group Manager)	2552
Kevin Thi	2699	Molecular Biology Team	
Consumer Microbiology Group		Christine Bulot - Team Lead	6510
Monica Kingsley (Group Manager)	7562	Jenny Zhang Michael Saenz	2409/7784
Consumer Microbiology Team		Cara Akrout	2409/7784
Chris Malota-Team Lead	7611	Xiaoqiang Wu Kathryn Kneupper	2409/7784
Lucy Salgado	6464	Deanne Gehlbach	2409/7784
Andrea Saldana Crystal Ly	6464	Anita Pokharel David Davila	2409/7784
Tom Ridpath	2498	Clinical Bacteriology Team	
Vickie McAlpin	6464	Tamara Baldwin - Team Lead	6189
Stephen Bouldin	6464	Hala Ayad Laura Higgins	7582
Isvara Sattviani	6464	Priti Patel Donna Barker	7582
Natalie Perryman-Hale	6464	Alex Diaz	7582
Michael Orf	6464	Huy Nguyen	7582
Media Prep Team		Crystal Mena	7582
Megan Snyder - Team Lead	7572		7582
William Collins Tammy Edwards	7571	Medical Parasitology Team	
Charles Harris Hong Trinh	7573	Cathy Snider-Team Lead	7560
Julie Le Miriam Udoye Beata Evans	7573	Darshana Patel	2435
Derek Mimbela	2210	Carol Brandt Sue Cloud	2417
Robert Tebeau 7573 Open Micro III	2327	Jeffrey Taylor	2435
Virology Group			
Martha Thompson (Group Manager)	7515	Emergency Preparedness Branch	
Viral Isolation Team		Rahsaan Drumgoole (Branch Manager)	6171
Crystal Van Cleave-Team Lead	7594	Response Coordination Team	3475
Open Micro I Peter So	2452	Syra Madad - 3535 Cindy Crouch - 3462 Vanessa Telles - 3	
Jennifer Gonzales	2452	Jill Wallace - 3475 Craig Okikawa - 353	
Anita Irving	2452	BioThreat Team	3781
Rabies Identification Team		Erin Swaney-Team Lead BIOTHREAT 24/7 512/689-55370	
Letha Zuckero - Team Lead	7491	W. Songy 3795 G. Gillispie 3781 M. Mergen 3793	
Callie Lyda	7735	Chemical Threat Team	
Russell McDowell	2453	Derrie Borthwick	7270
Latrisha Lane	2447/2453	Andrew Vinyard Jocelyn Hover-Jeansonne CT Lab	7270
Shirley Hammond Noirin Cullinan-Amma	2447/2453	BioWatch Team	6761
Danielle Smith	2453	Patricia Powers - Team Lead	2485
Arbovirus-Entomology Team		Ashley Hawes Cassandra Stumbo-Ingles Jai Henry	6761
Jeannie Xiang - Team Lead	7615	MICRO FAX NUMBERS	
Joseph Hancock Michael Bitzer	2454	Microbiological Sciences Branch Fax	458-7452
Bethany Bolling	2442	Mycobacteriology/Mycology Group Fax	458-7167
Mary D'Anton	2454	Medical Virology Group Fax	458-7293
Joanne Day	2454	Lab CHECK IN 7598 (fax 458-7510) Serology CHECK IN 2	385
Hima Rhambhatla	2454	Rabies Necropsy 2447 TFC/BLDG. Emergency 46	
	Other Imn	ortant Numbers	
Lab Supply - 2475 Lab Security Des		Riley Ryan -7259(cell-512/689-4372) Ivan Dudick- 6642	
Lab Reporting - 7578 Labware Help- 72			Pumo 6689
IT Help- 7341 4th FLOOR BREAKROOM			s Dam 2441
•			
Container Prep- 2936 (fax 458-7672) Media C	ontact- 7524	Susan Tanksley - 3106 Amy Schlabach - 6191 Kathleen S	treet 2457
Michelle Castillo - Staff Services Office II	6644	Dwaine Thompson- Executive Assistant - 7th Floor	7415
Marie Price -Environmental - Clerk II - 6th Fl	7587	Cece Arvallo - Admin III - Biochemistry - 2nd Floor	7430
Please email Tammy Campos for any	changes.	Open - Admin II - New Born Screening - 3rd Floor	7333
, - ,			



Appendix B:

Department of State Health Services - Zoonosis Control

HEALTH SERVICE REGION 1

6302 Iola Ave. Lubbock TX 79424

(806) 783-6422 FAX: (806) 783-6424

Karen McDonald, MS – Zoonosis Control Specialist Email Address: Karen.Mcdonald@dshs.state.tx.us

HEALTH SERVICE REGION 2

4601 S. First St, Suite L Abilene, Texas 79605

(325) 795-5857 FAX: (325) 795-5891 Nick Ferguson - Zoonosis Control Specialist

Email Address: Nicholas.Ferguson@dshs.state.tx.us

HEALTH SERVICE REGION 4 & 5N

1517 West Front Street

Tyler, Texas 75702

(903) 533-5260 FAX: (903) 533-5383

Christopher Menges, DVM, MVPH – Veterinarian, -5243 Angela Hopkins – Zoonosis Control Specialist, -5212 Samantha Hathcock – Public Health & Prevention Specialist

Email Address: Chris.Menges@dshs.state.tx.us

HEALTH SERVICE REGION 7

2408 South 37th Street Temple, Texas 76504-7168

(254) 771-6784 FAX: (254) 773-9358

Melinda Hergert, DVM, MVPH, PhD – Veterinarian, -6789 Melissa Maass – Zoonosis Control Specialist, -6749 Luz Pimentel – Zoonosis Control Specialist, -6762 Jamie Ferguson – Public Health & Prevention Specialist Email Address: Melinda.Hergert@dshs.state.tx.us

HEALTH SERVICE REGION 9/10

401 E. Franklin St., Suite 210 El Paso, Texas 79901-1206 (915) 834-7780

Kenneth Waldrup, DVM, MS, PhD – Veterinarian, -7782 Jacqueline Mariscal, MPH – Zoonosis Control Specialist

Email Address: Ken.Waldrup@dshs.state.tx.us

Revision 10/01/2015

CANYON SUB-OFFICE

WTAMU Box 60968 300 Victory Drive Canyon, TX 79016

(806) 477-1104 FAX: (806) 655-7159

James Alexander, DVM, MPVM – Veterinarian, -1118 Tonya Finch – Public Health & Prevention Specialist Email Address: James.Alexander@dshs.state.tx.us

HEALTH SERVICE REGION 3

1301 South Bowen Road, Suite 200
Arlington, Texas 76013
(817) 264-4920 FAX: (817) 264-4925
Shelley Stonecipher, DVM, MPH – Veterinarian, -4529
Naomi Ayala – Zoonosis Control Specialist, -4922
Ron Cornelison – Zoonosis Control Specialist, -4923
Latricia Hernandez – Public Health & Prevention
Specialist

Email Address: Shelley.Stonecipher@dshs.state.tx.us

HEALTH SERVICE REGION 6 & 5S

5425 Polk Avenue, Suite J

Houston, Texas 77023-1497
(713) 767-3300 FAX: (713) 767-3193
Robert Garrison, MS, DVM – Veterinarian – 3302
Gary Johnson – Zoonosis Control Specialist – 3301
Jael Miller – Zoonosis Control Specialist – 3303
Brittany Singletary - Public Health & Prevention
Specialist

Email Address: Robert.Garrison@dshs.state.tx.us

HEALTH SERVICE REGION 8

112 Joe Carper Drive, Room 134 Uvalde, Texas 78801 (830) 591-4385 FAX: (830) 278-1831 Edward Wozniak, DVM, MPH, PhD – Veterinarian, -4382

Justin Henefey – Zoonosis Control Specialist, -4383 Sarah Granados – Public Health & Prevention Specialist Email Address: Edward.Wozniak@dshs.state.tx.us

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MIDLAND SUB-OFFICE

2301 North Big Spring Street, Suite 300 Midland, Texas 79705-7649

(432) 571-4118 FAX: (432) 684-3932

Kathy Parker, MPH – Zoonosis Control Specialist Email Address: Kathy.Parker@dshs.state.tx.us

SAN ANGELO SUB-OFFICE

The Ralph Chase Services Building 622 South Oakes, Suite H
San Angelo, Texas 76903

(325) 659-7855 FAX: (325) 655-6798 Richard Klein – Program Specialist

Email Address: Richard.Klein@dshs.state.tx.us

HEALTH SERVICE REGION 11

601 West Sesame Drive Harlingen, Texas 78550

(956) 444-3212 FAX: (956) 444-3216

Ronald Tyler, Jr., DVM, MS – Veterinarian, - 3222 Stephanie Johnston, MS - Zoonosis Control Specialist,

- 3221

Leticia Tamayo – Public Health & Prevention

Specialist

Email Address: Ronald.Tyler@dshs.state.tx.us

ZOONOSIS CONTROL BRANCH – CENTRAL OFFICE

Mail Code 1956

P.O. Box 149347

Austin, Texas 78714-9347

(512) 776-7111 or 1-888-963-7111 FAX: (512) 776-7454

Tom Sidwa, DVM, MPH – Manager, (512) 776-6628

Email Address: Tom.Sidwa@dshs.state.tx.us

Emily Cazasos – Program Specialist, (512) 776-2553

Nicole Evert, MS – Epidemiologist, (512) 776-2890

David Florin, MS, PhD – Entomologist, (512) 776-6545

Eric Fonken, DVM, MPAff – Veterinarian, (512) 776-

2155

Dan Gawryck – Staff Services Officer, (512) 776-6001

Patrick Hunt – Program Specialist, (512) 776-6270

Bonny Mayes, MA – Epidemiologist, (512) 776-2888

VACANT - Program Specialist, (512) 776-2886

Laura Robinson, DVM, MS – ORVP Director, (512)

776-3306



Attachment C:

Immunization Division

IDP Section Office (T-308/T-310)		IB- HP Contractors (T-111)	
Fax	(512)776- 7176	Theresa Veach	6377
Imelda Garcia, Director (iPhone: 461-4479)	7679	Derek Burns & Evan Greene (Work Offsite)	
VACANT (EA)	6380	G-301-A Conference Room	6637
David Chou	3055	IT Help Desk	7341
David Scott	6433	Bad Weather Info	888-839- 7464
Jack Sims	6658	DSHS Main Line	(512)776- 7111
Jodie Vanyo	2194	Security Desk	7114
Maria Herrera, SSO (iPhone: 705-0288)	2950		
Dr. Lisa Cornelius (iPhone: 484-5397)	6309	IB- (PIET) Public Information, Education & Training Group (T-302)	
		Fax	(512)776- 7288
Infectious Disease Control Unit (IDCU) (T310)		VACANT Manager (iPhone: 774-7791)	6021
Fax	(512)776- 7176	Alma Thompson	6090
Monica Gamez, Director (iPhone: 826-1985)	6678	Clara Taylor	6530
Christine Contreras, SSO (iPhone: 705-8980)	3811	Meme Estes	3711
Carolynn Kimberly	3394	Veronica Ruiz	6522
Jackie Shaw, (iPhone: 457-9419)	6880	VACANT	6533
Cheryl Rainosek	3321	VACANT	6321
Larry Beard	3470	VACANT	6266
VACANT	7602	VACANT	2924
		VACANT	6479
Immunization Branch (IB) (T-308/T310)		VACANT	6420
1-800-Number	800-252- 9152		
Fax	(512)776- 7343	IB – (VSG) Vaccine Mgmt. Group & Vaccine OPS Group (G-301-A & G-305)	
VACANT, Branch Manager (iPhone: 705-0277)	6215	Vaccine OPS Group	
Cynthia Marquez, SSO	3747	Barbara Vassell, Manager (iPhone: 423-2047)	6244
Estella Garcia	2042	Alma Chavez	(956) 421- 5554
Heather Duncan (iPhone: 415-2453)	6504	Dana Bross	3537
James Ray	6423	Kathleen Ford	3066
Mark Ritter (Federal Advisor)	6432	Kendalyn Stephens	2683
Phil Burger	6204	Randall Crutsinger	6333
Rey Velazquez (iPhone: 484-2720)	6203	VACANT	6496
VACANT (Federal Advisor)	6480	VACANT	3785
VACANT	2194	VACANT	3769
		VACANT	3417
IB – Assessment Compliance & Evaluation Group (ACE) (T-305)		VACANT	6078
Fax	(512)776- 7544	VACANT	2222
VACANT, Manager (iPhone: 774-7535)	6469		



I	ı		State Health Services
Deborah Meischen	6319	Vaccine Mgmt. Group (G-305 & G-301A)	
Erin Gardner.	2985	Vaccine Call Center	888-777- 5320
Kenda Deputy	3802	Vaccine Services Group Fax (G-305)	(512)776- 7131
Kenzi Guerrero	3949	Vaccine Services Group Fax (G-301-A)	(512)776- 7743
Khalilah Loggins	6813	Meredith Sugarman, Manager (iPhone: 517-9847)	6069
Lucille Palenapa	6435	Anne Cortinas	3107
Margaret Horton	6427	Cecilia Haris	6060
Ruthie Benson	6634	Emily Salinas	3540
VACANT	6470	Jamie Hale	7546
VACANT	6401	Rumana Parveen	3948
		Samira Syed	6952
IB - ImmTrac Group (T-301 & T-303)		Stephen Watty	6429
1-800-Number	800-348- 9158	VACANT	6426
Fax	(512)776- 7790	VACANT	6218
Tamara Lewis, Manager (iPhone: 426-1849)	6454		
Adriana Flores	6594	IDPS - TB/HIV/STD/Unit (ASH 634)	
Ana Thomas	6773	Fax	(512)206- 5801
Angela Herrera.	3286	Felipe Rocha, Unit Manager (iPhone: 426-3415)	(512)206- 5715
Arthur Lara	3056	Kathie Walden	(512)206- 5283
Bradley Walker	6772	Madelin Walls, SSO	(512)206- 5897
Christine Robinson	6949		
Dee Pittsford	6402	Division - Disease Control & Prevention (G-401)	(512)776- 7729
Jennifer Cavazos	3865	Fax	(512)776- 7229
Jerry Peterson	3011	Janna Zumbrun (Assistant Comm)	2406/7679
John Boggs	2709	Daniel Ramirez, SSO	2863
Kevin Allen	6603	Evelyn Hahn	6116
Lauren Campbell	7610	Linda Darlington	2116
Santiago Espinosa	3674	Patty Melchior	2115
Wendy Washington	3015	Paul Normandin	2466
VACANT	3868	Sylvia Lagunas, EA	2174
VACANT	6830		
VACANT	6451		



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Galveston County HD 9850 Emmitt F. Lowery Exwy Ste B107 Texas City, Texas 77591 DSHS HSR 7 2408 South 37th Street Temple, Texas 76504-7168 Austin Travis County DHHS 15 Waller St Austin, Texas 78702 Waco-McLennan County PHD 225 West Waco Drive Waco, Texas 76707 DSHS HSR 8 7430 Louis Pasteur Dr. San Antonio, Texas 78229 DSHS HSR 8 - Satellite Office 106 E. French St. Cuero, TX 77954 San Antonio Metro HD 322 W. Commerce San Antonio, Texas 78205	Cynthia Johnson Angelita Vasser Jim Hilton Shelly Repp Bree Danner Temporarily Vacant Saeed Azadi Lynda Blakeslee Monique Huffman Laurel Churchman Jackie Thompson-Neal Rita Espinoza Stacey Hull Charlene Ransome Sian Hill Sandy Quintanilla Gloria DeLaGarza Juan Reyna Vacant Christian Watamaleo	832-393-4726 832-393-4663 409-765-2528 254-771-6768 254-771-6781 512-972-5467 512-972-5567 512-972-5464 254-750-5499 254-750-5498 210-949-2196 210-232-0568 cell 361-275-1834 361-212-5277 cell 210-207-5374 210-207-8830	cynthia.johnson@houstontx.gov angelita.vasser@houstontx.com jhilton@gchd.org shelly.repp@dshs.state.tx.us Breanne.danner@dshs.state.tx.us saeed.azadi@austintexas.gov Lynda.Blakeslee@austintexas.gov laurelc@ci.waco.tx.us jacquelint@ci.waco.tx.us rita.espinoza@dshs.state.tx.us stacey.hull@dshs.state.tx.us charlene.ransome@sanantonio.gov sian.hill@sanantonio.gov sandy.quintanilla@sanantonio.gov gloria.delargarza@sanantonio.gov christian.watamaleo@sanantonio.gov christian.watamaleo@sanantonio.gov
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Appendix E:





Office of Health Affairs

BioWatch



Overview

The United States continues to face the risk of a major biological attack that could result in significant loss of human life, severe economic disruption, and substantial damage to our critical infrastructures and key resources. Early detection could mitigate that potential impact. The first indication that the nation has been attacked may come through early detection and warning systems, such as the BioWatch program — the nation's integrated biodefense network. BioWatch is the only federally-managed, locally-operated, nationwide biosurveillance system designed to detect the release of select aerosolized biological agents.

Early Detection

One of the BioWatch program's high priority initiatives is to detect biological agents or pathogens rapidly, in order to save lives and mitigate damage. If a high threat agent of interest is detected on a BioWatch filter, the local laboratory director has a national network of support to turn to, beginning with the Centers for Disease Control and Prevention's (CDCs) Bioterrorism Rapid Response and Advanced Technology Laboratory. When the laboratory director verifies that a high threat agent has been detected, a BioWatch Actionable Result (BAR) is declared. The BioWatch Quality Assurance program, implemented in 2011, enhances defensibility and confidence associated with the analytical results.

Guidance and Exercises

Detection technology is only part of the BioWatch program. Just as important are the guidance documents, concepts of operation, and exercises provided by BioWatch in coordination with state and local public health authorities within BioWatch jurisdictions. Guidance and exercises must be integrated into a carefully orchestrated response for the detection technology to be used to its full potential.

Program Structure

BioWatch has initiated and developed collaborative relationships with state and local public health, laboratories, law enforcement, and environmental health agencies, strengthening our nation's overall biodefense preparedness. Key partners play pivotal roles to ensure the program's success.

- State and local governments locally operate the BioWatch program and develop the plans that will enable an effective first response to an act of bioterrorism.
- Centers for Disease Control and Prevention oversees the Laboratory Response Network where BioWatch laboratories that analyze the collected samples are colocated. CDC also acts as a liaison with state and local public health departments.
- Department of Defense supplies critical screening testing materials and technical expertise in detection systems.
- Environmental Protection Agency performs or assists in environmental sampling activities in response to a BioWatch Actionable Result (BAR).
- Federal Bureau of Investigation provides threat assessments and is the lead law enforcement and investigative agency.
- National Laboratories provide technical support, including the development and assessment of new technologies and protocols.

Future Goals

Improvements to existing technologies, processes, and relationships will continue to be important factors as the BioWatch program evolves. Future goals include:

- Continuing to strengthen partnerships with state and local public health authorities and stakeholders.
- Enhancing detection coverage by adding collectors to established and new BioWatch jurisdictions.
- Improving current collection technologies and methods for more rapid detection and greater cost efficiencies.
- Maximizing coordination and collaboration with other agencies and detection programs.
- Improving tools to identify released biological agents to support response operations.

For more information, please contact HealthAffairs@dhs.gov



Appendix F:

Program Areas in NBS

Condition	Program Area
Carbapenem-resistant Enterobacteriaceae (CRE)	Antibiotic Resistance/MDRO
Multi-drug Resistant Acinetobacter (MDR-A)	Antibiotic Resistance/MDRO
Vancomycin-resistant Staphylococcus aureus, coagulase-positive (VRSA)	Antibiotic Resistance/MDRO
Vancomycin-intermediate Staphylococcus aureus (VISA)	Antibiotic Resistance/MDRO
Hepatitis	Hepatitis
Tiepatitis	Tiepatitis
Botulism, foodborne	IDEAS - Foodborne
Botulism, infant	IDEAS - Foodborne
Botulism, other/unspecified	IDEAS - Foodborne
Botulism, wound	IDEAS - Foodborne
Cyclosporiasis	IDEAS - Foodborne
Hemolytic uremic syndrome, postdiarrheal	IDEAS - Foodborne
Listeriosis	IDEAS - Foodborne
Salmonellosis	IDEAS - Foodborne
Shiga toxin-producing Escherichia coli (STEC)	IDEAS - Foodborne
Typhoid fever (Salmonella Typhi)	IDEAS - Foodborne
Vibrio spp., non-toxigenic, other or unspecified	IDEAS - Foodborne
Vibrio parahaemolyticus	IDEAS - Foodborne
Vibrio vulnificus infection	IDEAS - Foodborne
Hepatitis A, acute	IDEAS - Hepatitis A, D, E, Other
Hepatitis E, acute	IDEAS - Hepatitis A, D, E, Other
	IDEAS II III O
Hepatitis C, acute	IDEAS - Hepatitis C
Creutzfeldt-Jakob disease	IDEAS - Infectious Disease
Influenza A, novel / variant	IDEAS - Infectious Disease
Influenza, human isolates (outbreaks only)	IDEAS - Infectious Disease
Influenza-associated pediatric mortality	IDEAS - Infectious Disease
Malaria	IDEAS - Infectious Disease
Smallpox	IDEAS - Infectious Disease
Yersiniosis	IDEAS - Infectious Disease
Amebic meningitis/encephalitis, other	IDEAS – Meningitis/Invasive Respiratory Disease
Amebic meningoencephalitis, primary (PAM)	IDEAS – Meningitis/Invasive Respiratory Disease
Legionellosis	IDEAS – Meningitis/Invasive Respiratory Disease
Meningococcal disease (Neisseria meningitidis)	IDEAS – Meningitis/Invasive Respiratory Disease



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Novel coronavirus	IDEAS – Meningitis/Invasive Respiratory Disease
Streptococcus, invasive Group A (GAS), (Streptococcus pyogenes)	IDEAS – Meningitis/Invasive Respiratory Disease
Streptococcus, invasive Group B (GBS), (Streptococcus agalactiae)	IDEAS – Meningitis/Invasive Respiratory Disease
Amebiasis	IDEAS - Waterborne
Campylobacteriosis	IDEAS - Waterborne
Cholera	IDEAS - Waterborne
Cryptosporidiosis	IDEAS - Waterborne
Shigellosis	IDEAS - Waterborne
Diphtheria	Immunizations
Haemophilus influenzae type b, invasive disease	Immunizations
Hepatitis B, acute	Immunizations
Hepatitis B virus infection, perinatal	Immunizations
Measles (Rubeola)	Immunizations
Mumps	Immunizations
Pertussis	Immunizations
Polio virus infection, nonparalytic	Immunizations
Poliomyelitis, paralytic	Immunizations
Rubella	Immunizations
Rubella, congenital syndrome (CRS)	Immunizations
Strep pneumoniae, invasive disease	Immunizations
Tetanus	Immunizations
Varicella (Chickenpox)	Varicella
Anaplasma phagocytophilum	Zoonosis
Anthrax	Zoonosis
Arbovirus, other	Zoonosis
Babesiosis	Zoonosis
Brucellosis	Zoonosis
Cache Valley Virus	Zoonosis
California serogroup virus	Zoonosis
Chagas disease, acute	Zoonosis
Chagas disease, chronic symptomatic	Zoonosis
Chagas disease, chronic indeterminate	Zoonosis
Chikungunya	Zoonosis
Cysticercosis	Zoonosis
Dengue hemorrhagic fever (includes Dengue shock syndrome)	Zoonosis
Dengue Fever	Zoonosis
Eastern equine encephalitis virus	Zoonosis
Ehrlichiosis chaffeensis	Zoonosis
Ehrlichiosis ewingii	Zoonosis
	_00110313



Ehrlichiosis/Anaplasmosis undetermined Encephalitis, Cache Valley Encephalitis, Eastern equine (EEE) Encephalitis, Japanese Encephalitis, Powassan Encephalitis, St. Louis (SLE) Encephalitis, Venezuelan equine (VEE) Encephalitis, West Nile (WNND)	sis sis
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Encephalitis, West Nile (WNND) Zoono	sis
	sis
Encephalitis, Western equine (WEE) Zoonc	sis
Encephalitis/ Meningitis, California Zoono	sis
Flavivirus, unspecified Zoono	sis
Hantavirus infection Zoono	sis
Hantavirus pulmonary syndrome Zoono	sis
Japanese encephalitis virus Zoonc	sis
Leishmaniasis Zoond	sis
Lyme disease Zoond	sis
Plague Zoond	sis
Powassan virus Zoono	sis
Q fever, acute Zoonc	sis
Q fever, chronic Zoonc	sis
Rabies, human Zoono	sis
Relapsing Fever Zoond	sis
Spotted Fever Rickettsiosis Zoonc	sis
St. Louis encephalitis virus Zoono	sis
T solium-undiff Taenia Zoono	sis
Trichinosis (Trichinellosis) Zoono	sis
Tularemia Zoono	sis
Typhus fever, (endemic fleaborne, Murine) Zoonc	sis
Typhus fever, (epidemic louseborne R. prowazekii) Zoonc	sis
Western equine encephalitis virus Zoonc	sis
Venezuelan Equine virus Zoono	sis
Viral Hemorrhagic Fever Zoonc	sis
West Nile Fever Zoond	sis
Yellow fever Zoonc	sis



Appendix G:

FREQUENTLY ASKED QUESTIONS about the NEDSS Base System

Question #1:

I was working in NEDSS and got the attached error report. Can you help?

NBS Error page Page 1 of 1

The NBS encountered an error while processing your request. Please copy the information below this message (or save the message to .pdf using the print functionality) and forward it to your NBS Technical Administrator for review.

You will then need to return to the NBS Home Page and reprocess your transaction. DO NOT utilize your browser's BACK or REFRESH buttons.

URL: https://txnedss.dshs.state.tx.us:8009/nbs/SelectCondition3.do

Date/Time: Fri Aug 06 12:43:16 CDT 2010

Exception: java.lang.NullPointerException at

gov.cdc.nedss.webapp.nbs.action.util.CommonAction.setBatchObservations(CommonAction.jav at gov.cdc.nedss.webapp.nbs.action.investigation.util.nip.pertussis.PertussisInvestigation

Answer:

Unfortunately, with Windows, errors can happen for numerous reasons. So unless you've rebooted your system, logged into NEDSS again, and then are able to reproduce the error there is not much to work with.

If you are able to reproduce the issue on your own workstation and <u>also on another workstation in your area</u>, then we need to consider that it may be something with the NBS, and a step by step procedure of what you were doing, what you entered and the last button pressed is usually very helpful and please send a screen shot!

Great troubleshooting tip for Desktop IT support.

Login to the workstation as a user with administrator rights (a user that has never logged into the workstation before) and then login to NEDSS.

NEDSS note:

NEDSS is now run in a cloud environment, once connected, it is the same for everyone. The only differences are your Workstation setup and/or the Network you are coming from.

Question #2:

I get a "Page cannot be displayed" when trying to log onto NEDSS? Is NEDSS down?

Answer:

NEDSS is most likely not down, as it has a 99.9% uptime in the last 7 years. Usually the causes are outside the NEDSS network.

If you are logging in from a Local Health Department the NEDSS Base System is an <u>intranet</u> application, not internet, hosted exclusively within the security of the DSHS network.

Currently there is only one way of connecting if you are not already located within the DSHS intranet. It is possible that there are some LHD's that have TALHO cross-connect still working. This should have already been disconnected, if not, please get #2 done ASAP to make sure you do not have a long period with the inability to connect to NEDSS.

- 1. (A) Contact your IT Network personnel and find your public facing IP range all the NEDSS users at your facility will be using.
 - (B) Verify that they have checked their router/switch/firewall to make sure NEDSS traffic is not being routed to a legacy T1/TALHO connect.
 - *This tends to be the biggest snag, if you have a responsive Network staff this will go smoothly. Issues that some of our other LHD's found.



- "There was a static route on one of the switches pointing them to an invalid gateway. This department used to have their own internet connection and now they route through us."
- "We put an allow in our Proxy. The proxy was blocking the secure website. thanks for your help."
- "found that our firewall needed to be open inbound and outbound for port 8009."
- "It is an issue with her computer specifically. Other computers on our network can get to the site."

(C) Provide a list of names of the NEDSS users at your facility this range of IP's will benefit.

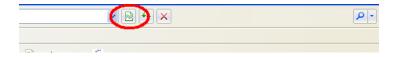
Once you get the three parts of above information, forward that information to nedss@dshs.state.tx.us. On this end our DSHS Network Operations team will configure our network to allow traffic from that range to access NEDSS.

Question #3:

For some reason, when I try to run a report in NEDSS, none of the dropdowns in the Advanced Filter tab are populated and in the bottom left hand corner the message "error on page" appears. Also, nothing happens when I click on the Logic and Value sections of the report criteria. I've deleted cookies, etc. and the problem still exists. Any suggestions? (Also, with Internet Explorer v10 you may get a black screen).

Answer

This is likely due to the Internet Explorer "Compatibility View" setting. It is the green icon at the top of the page that looks like a torn piece of paper. Click on it and it will turn a shade greyer. This should fix your issue with your reports.



Question #4:

I have tried using Mozilla Firefox and Google Chrome to access the NEDSS Base System, and am having trouble seeing and saving the patient records. Did I break something?

Answer

You did not break anything; the NEDSS Base System only supports and works with Internet Explorer, version 7 or higher.

Question #5:

The NEDSS system seems really slow today, especially for a large health department like ours. What can you do to speed up the system?

Answer:

Possibilities for slow performance:

- 1. Local Workstation Virus or Spamware.
- 2. Local area congestion, local bandwidth maxed out. (streaming video, virus, excessive downloads)
- 3. Malfunctioning local switch or router.
- 4. Poorly configured local switch or router.
- 5. Malfunctioning or low speed NIC (Network Interface Card) on the local workstation
- 6. Outdated local workstation.

Question #6:

I need to have access to the NEDSS Base System from my computer at home. How can I do this? What else do I need?

Answer:

The NEDSS Base System is an <u>intranet</u> application, not internet, hosted exclusively within the security of the DSHS network. Only computers that are either physically located within or whose network is securely cross-walked to the DSHS network are able to access the NBS.



Question #7:

Each morning, I usually run a private report we created in NBS that lists the new cases for the day. When I ran the report this morning, there were cases listed from yesterday for which I had already approved notification. However, the names on the NBS notifications queue seem to be current. Why is this happening?

Answer

Notifications are still being processed by CDC at the same time the report you run in the morning is created. We have delayed the start time for this process as long as possible so that all reports get completed by morning. Please keep in mind that all reports are a snap-shot, and if the current database does not exactly follow what you are seeing it is likely due to changes that have been made to the system since the creation of the datamart/report.

Question #8:

I am having difficultly running reports. In the past when I exported the report, it would automatically ask me if I want to open the file or save it which allowed me to save it as an excel document with the variables in the appropriate columns. Now when I try to export a report, it automatically opens the report in a web based excel spreadsheet with all of the column variables squished together in one column. It no longer asks me if I want to save or open the file. Any idea why this is happening? Is there a setting I need to change on my computer?

Answer

Usually this is caused by the file type "CSV" not being associated or incorrectly with Excel within your Windows environment. Go to Windows Explorer (not internet explorer), tools, folder options, file types. Look for CSV and if it's not associated with excel, make Excel the association. If it is associated, delete it, it will have to be re-associated. In NEDSS, do an export, once the report is saved to your hard drive try to open the file and it will query you what to open it with, find Excel. Things may not go exactly as described above, but the issue is with the association, and the way Excel thinks it's supposed to open up an csv, so you might have to play with that until it worked as desired.

Question #9:

I have not been able to print labs using the "print" button in NEDSS. When selected, I receive a pop-up window stating connection errors/issues—which is not the case as far as I can tell. Is this a known issue? Is there anything I can do on my end to fix it?

Answer:

Adobe Acrobat is a very fickle program as it's one of those that work for some and not for others. Click on [F5] and/or [Ctrl]+[F5] if you have a gray screen. If this doesn't fix the issue, either it needs to be upgraded or uninstalled and reinstalled, if that doesn't work, search the Adobe Acrobat site for patches that involve printing problems.

Acrobat 9.4.2: If you are using Acrobat 9.4.2, see Printing problems | Acrobat 9.4.2 update.

Reader 10.1.2: If you recently updated to Reader 10.1.2, first see Printing issues | Reader 10.1.2

Question #10:

I get this error page when trying to run a report, usually the Line List of Individual Cases with Program Area and

Resource Not Found

Message: Resource Not Found

Description: The requested resource "/nbs/404.html" could not be found

Sender: org.apache.cocoon.servlet.CocoonServlet

Source: Cocoon Servlet

Apache Cocoon 2.1.8

Jurisdiction Security report.

Answer:

This is because the report is requesting too much data from the server at one time. Try and refine your report request by <u>not</u> selecting all on the [basic filter] or setting a date requirement on the [advanced filter].



Appendix H:

FDD PAM Condition Incubation Periods

Condition	Incubation Period
Amebiasis (parasite)	4 weeks
Amnesic shellfish poisoning (marine toxin)	24-48 hrs
Anisakiasis (parasite larvae)	14 days
Botulism - Foodborne	12-72 hrs
Botulism - Infant	3-30 days
Botulism - Other (Wound & Unspecified)	N/A
Botulism - Other Unspecified	N/A
Botulism - Wound	N/A
Brucellosis	7-21 days
Campylobacteriosis (bacteria)	2-5 days
Cholera	24-72 hrs
Ciguatera fish poisoning (marine toxin)	2 hrs- 5 days
Cryptosporidiosis	14 days
Cyclosporiasis	14 days
Diarrheal disease, not otherwise specified	N/A
Diphyllobothrium latum (parasite)	3 months
Enterohem. E.coli O157:H7 (bacteria)	1-8 days
Enterohemorrhagic E.coli, shiga + (not serogpd) (bacteria)	1-8 days
Enterohemorrhagic E.coli, shiga + serogp non-O157 (bacteria)	1-8 days
Foodborne illness, not otherwise specified	N/A
Giardiasis (parasite)	14 days
Listeria	9-48 hrs for GI symptoms; 2-6 weeks for invasive disease
Norovirus (virus)	24-48 hrs
Paralytic shellfish poisoning (marine toxin)	30 mins-3hrs
Rotavirus (virus)	1-3 days
Salmonella	1-3 days
Scombroid fish poisoning (marine toxin)	1 min-3 hrs
Shigellosis (bacteria)	24-48 hrs
Staphylococcal enterotoxin (bacteria)	1-6 hrs
Toxoplasmosis (parasite)	6-10 days
Trichinosis (Trichinellosis) (parasite larvae)	4 weeks
Typhoid fever (Salmonella typhi) (bacteria)	1-3 days
Vibrio parahaemolyticus (bacteria)	2-48 hrs
Vibrio spp., non-toxigenic, other or unspecified (bacteria)	2-48 hrs
Vibrio vulnificus infection (bacteria)	1-7 days
Yersiniosis (bacteria)	24-48 hrs

FDD Condition Incubation Periods V2



Appendix I:

ACRONYMS

- 1. APIC Association for Professionals in Infection Control and Epidemiology
- 2. CABGs coronary artery bypass grafts
- 3. CDI Clostridium difficile infection
- 4. CIDRAP Center for Infectious Disease Research and Policy
- 5. CLABSI central line-associated bloodstream infection
- 6. CMS Centers for Medicare and Medicaid Services
- 7. DHQP- Division of Healthcare Quality Promotion
- 8. DSHS Department of State Health Services
- 9. EAIDB Emerging and Acute Infectious Disease Branch
- 10. FEMA Federal Emergency Management Agency
- 11. FIPS Federal Information Processing Standards
- 12. HAI Healthcare Associated Infections
- 13. HIV Human Immunodeficiency Virus
- 14. HSR Health Service Region
- 15. ICD-9-CM International Classification of Diseases, 9th Revision Clinical Modification
- 16. IDCU Infectious Disease Control Unit
- 17. Imm Immunization Division
- 18. ImmTrac Vaccination tracking system for Texas
- 19. IPPS Inpatient Prospective Payment System
- 20. IRID Invasive and Respiratory Infectious Disease
- 21. LHD Local Health Department
- 22. LOINC Logical Observation Identifiers Names and Codes
- 23. MDRO Multi Drug Resistant Organism
- 24. MRSA methicillin resistant staphylococcus aureus
- 25. NBS NEDSS Base System
- 26. NEDSS National Electronic Disease Surveillance System
- 27. NHSN National Healthcare Safety Network
- 28. NICU neonatal intensive care unit
- 29. NOC Network Operations Center (DSHS)
- 30. NORS National Outbreak Reporting System
- 31. PAE Preventable Adverse Events
- 32. PHEP Public Health Emergency Preparedness
- 33. PHIN Public Health Information Network
- 34. SHEA The Society for Healthcare Epidemiology of America
- 35. SIR standardized infection ratio
- 36. STD Sexually Transmitted Diseases
- 37. TAC Texas Administrative Code
- 38. TB Tuberculosis
- 39. TEA Texas Education Agency
- 40. TEHA Texas Environmental Health Association
- 41. TSICP Texas Society of Infection Control and Prevention
- 42. VAE ventilator-associated event
- 43. VAP- ventilator-associated pneumonia
- 44. VPD Vaccine Preventable Disease
- 45. WebEOC Web Based Emergency Operations Center
- 46. Zoo Zoonosis Control Branch



Appendix J:

MEDICAL TERMINOLOGY ABBREVIATIONS

The following list contains some of the most common abbreviations found in medical records. Please note that in medical terminology, the capitalization of letters bears significance as to the meaning of certain terms, and is often used to distinguish terms with similar acronyms.

@—at

A & P—anatomy and physiology

ab—abortion

abd—abdominal

ABG—arterial blood gas

a.c.—before meals

ac & cl—acetest and clinitest

ACLS—advanced cardiac life support

AD-right ear

ADL—activities of daily living

ad lib—as desired
adm—admission

afeb—afebrile, no fever

AFB—acid-fast bacillus **AKA**—above the knee

alb—albumin

alt dieb—alternate days (every other day)

am-morning

AMA—against medical advice

amal—amalgam

amb—ambulate, walk

AMI—acute myocardial infarction **amt**—amount

ANS—automatic nervous system

ant-anterior

AOx3—alert and oriented to person, time, and place

Ap—apical **AP**—apical pulse

approx—approximately

aq-aqueous

ARDS—acute respiratory distress syndrome

AS—left ear **ASA**—aspirin

asap (ASAP)—as soon as possible

as tol-as tolerated

ATD—admission, transfer, discharge

AU—both ears **Ax**—axillary

BE—barium enema **bid**—twice a day

bil, bilateral—both sides

BK—below knee

BKA—below the knee amputation

bl—blood

bl wk—blood workBLS—basic life supportBM—bowel movementBOW—bag of watersB/P—blood pressure

bpm—beats per minute

BR—bed rest

BRP—bathroom privileges

BS—breath sounds

BSI—body substance isolation

BSO—bilateral salpingo-oophorectomy **BUN**—blood, urea, nitrogen levels

BVM—bag-valve-mask

bx—biopsy **c**—with

C & S—culture and sensitivity

c-spine—cervical spine

CA-cancer

CAD—coronary artery disease

cal—calorie

CAT—computerized axial tomography

cath—catheter

CBC—complete blood count

cc—cubic centimetersCC—chief complaint

CCU—coronary care unit, critical care unit

CHD—coronary heart disease **CHF**—congestive heart failure

CHO—carbohydrate chol—cholesterol circ—circumcision cl liq—clear liquid

CNS—central nervous sysyem

c/o-complains of

COPD—chronic obstructive pulmonary disease

 $\label{eq:cpk-creatine} \textbf{CPK--} creatine \ phosphokinase$

CPR—cardiopulmonary resuscitation

CPT—chest physical therapy

CS—central supply

CSF—cerebrospinal fluid



CT—computer tomography

CVA—cerebrovascular accident (stroke)

CVU—cardiovascular unit **cx**—cervix or complaint of

CXR—chest X ray **cysto**—cystography **d/c**—discontinue

D & C—dilation and curettage

DAT—diet as tolerated

DC—discontinue or discharge

del-delivery

Del. Rm.—delivery room

diff-differential

DNA—deoxyribonucleic acid **DNR**—do not resuscitate **DOA**—dead on arrival

DOB—date of birth

DPT—diphtheria, pertussis, tetanus **DRG**—diagnosis-related grouping

D/S—dextrose in saline
DT's—delirium tremens
DW—distilled water

D5W 5%—dextrose in water

Dx—diagnosis

EBL—estimated blood loss
ECG—electrocardiogram
ED—emergency department
EEG—electroencephalogram
EENT—eyes, ears, nose, throat

EKG—electrocardiogram **EMG**—electromyogram

EOA—esophageal obturator airway **ESR**—erythrocyte sedimentation rate

est-estimated

ER—emergency room **ET**—endotracheal

ETA—estimated time of arrival

etiol-etiology

ETOH—ethyl alcohol, intoxicated

exam—examination
exp—exploratory

ext—external, extract, extraction

FBOA—foreign body obstructed airway

FBS—fasting blood sugar FBW—fasting blood work FF (F. FI)—force fluids FH—family history FHS—fetal heart sounds

FHT—fetal heart tone

FIFO—first in, first out

FSH—follicle-stimulating hormone

ft-foot

FUO—fever of undetermined origin

Fx—fracture
GB—gallbladder
GI—gastrointestinal
GU—genitourinary

GTT—glucose tolerance test (pancreas test)

gtt(s)—drop(s)
gyn—gynecology

H & H—hemoglobin and hematocrit **HCG**—human chorionic gonadotrophin

hct—hematocrit

HDL—high-density lipoprotein

hgb—hemoglobin HOB—head of bed hr (h)—hour

HIV—human immunodeficiency virus

H&P—history and physical

HR—heart rate

hs—hour of sleep, bedtime

ht—height
Hx—history

hypo-hypodermic injection

hyst—hysterectomy

IBS—irritable bowel syndrome
I & D—incision and drainage
I & O—intake and output
ICP—intracranial pressure
ICU—intensive care unit

IM—intramuscular
ing—inguinal

inj—injection

IPPB—intermittent positive pressure breathing

irrig—irrigation
IS—intercostal space
isol—isolation

IT—inhalation therapyIUD—intrauterine device

IV—intravenous

IVF—in vitro fertilization **IVP**—intravenous pyelogram

K+—potassium

KCI—potassuim chloride **KUB**—kidney, ureter, bladder

L—lumbar

L & D—labor and delivery

lac-laceration



lab—laboratory

lap—laparotomy

lat-lateral

LD—lethal dose

LDH—lactic dehydrogenase

LDL—low-density lipoprotein

liq-liquid

LLQ, LLL—left lower quadrant (abdomen), lobe (lung)

LMP—last menstrual period

LOC—level of consciousness

LP—lumbar puncture

It-left

LUQ, LUL—left upper quadrant (abdomen), lobe (lung)

MA-mental age

MAST—medical antishock trousers

MCI—mass casualty incident

meds-medications

MI—myocardial infarction

MICU—mobile intensive care unit

min—minute

MN—midnight

MOM-milk of magnesia

MRI—magnetic resonance imagery

MS—morphine sulfate, multiple sclerosis

MVA—motor vehicle accident

NVD—nausea, vomiting, diarrhea

Na+-sodium

NaCl—sodium chloride

N/C—nasal cannula

no—complaints

neg-negative

neuro-neurology

NG—nasogastric

NGT—nasogastric tube

nitro—nitroglycerine

NKA—no known allergies

noc (t)—night

NPO—nothing by mouth

NS—normal saline

nsg-nursing

NSR—normal sinus rhythm

NVS—neurological vital signs

O—oxygen

OB—obstetrics

OD—right eye, overdose

oint-ointment

OOB—out of bed

OPD—outpatient department

OR—operating room

ord—orderly

ORTH—orthopedics

ortho—correct, right (bones)

os—mouth

OS—left eye

OT—occupational therapy

OU—both eyes

oz-ounce

p—after

P-pulse

P & A—percussion and auscultation

PAC—premature atrial contraction

palp-palpation

PAR—post-anesthesia room

PAT—paroxysmal atrial tachycardia

pc—after meals

pCO2—partial pressure of carbon dioxide

PDR—physician's desk reference

PE—physical exam, pulmonary embolism

PEDS—pediatrics

per—by or through

PERL(A)—pupils equal and reactive to light (and

accommodation)

PET—positron emission tomography

PH—past history

pH—hydrogen ion concentration

PID—pelvic inflammatory disease

PKU—phenylketonuria

pm—between noon and midnight

PNS—peripheral nervous system

po—by mouth

post (pos)—posterior

postop, PostOp—postoperative

pp (p.p.)—postprandial (after eating)

pO2—partial pressure of oxygen

PPD—purified protein derivative (TB test)

preop, PreOp—before surgery

prn—as needed, whenever necessary

pro time-prothrombin time

pt-patient, pint

PT—physical therapy

PTT—partial prothrombaplastin time

PVC—premature ventricular contraction

Px—physical exam, prognosis

q—every

qd—every day

qh—every hour

q2h, q3h, ...—every two hours, every three hours, ...

qhs—every night at bedtime



qid—four times a day

qns—quantity not sufficient

qod—every other day

qs—quantity sufficient

r(R)-rectal

R (resp)—respirations, rectal

RAIU—radioactive iodine uptake study

RBC-red blood cell/count

reg—regular

Rh-rhesus

RK—radial keratomy

RL-ringer's lactate

RLQ, RLL—right lower quadrant (abdomen), lobe (lung)

RML—right middle lobe (lung)

RO—reality orientation

R/O-rule out

ROM—range of motion

R.R.—recovery room

RUQ, RLL—right upper quadrant, lobe

rt—right

RV—residual volume

Rx—take (prescription)

s-without

S & S—signs and symptoms

ss-1/2

Sats—oxygen/blood saturation level

SA-sinoatrial

SB-small bowel

sc—subcutaneous

SGOT—serum glutamic oxaloacetic transaminase

SGPT—serum glutamic pyruvic transaminase

SIDS—sudden infant death syndrome

Sig:—label/write

SL—sublingual

SMAC—sequential multiple analysis computer

SOB—shortness of breath

spec-specimen

sp. gr.—specific gravity

SQ, sub q—subcutaneous

SSE—soap suds enema

stat—immediately

STD—sexually transmitted disease

STH—somatotropic hormone

SVD—spontaneous vaginal delivery

SVN—small volume nebulizer

SVT—supraventricular tachycardia

Sx-symptoms

T—temperature, thoracic

T & A—tonsillectomy and adenoidectomy

tab—tablet

tachy—-tachycardic

TAH—total abdominal hysterectomy

TB—tuberculosis

TCDB—turn, cough, deep breath

temp (T)—temperature

TH—thyroid hormone

TIA—transient ischemic attack

tid—three times a day

TMJ—temporomandibular joint

tol-tolerated

TPN—total parenteral nutrition

TPR—temperature, pulse, respirations

tr-tincture

trach—tracheotomy, tracheostomy

TSH—thyroid-stimulating hormone

TT—tetanus toxiod

TUR—transurethral resection

TV-tidal volume

TVH—total vaginal hysterectomy

TX—traction

UA—urinalysis

umb—umbilicus

unc.—unconscious

ung—ointment

unk-unknown

ur-urine

URC—usual, reasonable, customary

URI—upper respiratory infection

US—ultrasonic

UTI—urinary tract infection

V fib—ventricular fibrillation

V tach—ventricular tachycardia

vag-vaginal

VC—vital capacity

VD—venereal disease

vit-vitamin

vo-verbal order

vol-volume

V/S-vital signs

WA—while awake

WBC—white blood cell/count

w/c-wheelchair

WNL—within normal limits

wt-weight

y/o—year(s) old



Appendix K:

HELPFUL ONLINE RESOURCES

- DSHS Reporting Forms: www.dshs.state.tx.us/idcu/investigation/forms/
- Guidelines for Investigation & Control of Invasive, Respiratory, Foodborne, and Vaccine-Preventable Diseases: http://www.dshs.state.tx.us/IDCU/health/infection_control/Investigation-Guidance/
- VPD Investigation Forms: www.dshs.state.tx.us/idcu/health/vaccine preventable diseases/forms/
- Other Investigation Forms: www.dshs.state.tx.us/idcu/investigation/#
- Notifiable Conditions List: <u>www.dshs.state.tx.us/idcu/investigation/conditions/</u>
- NBS (NEDSS) Data Entry Guidelines (Rev 2015): https://txnedss.dshs.state.tx.us:8009/PHINDox/UserResources/NBS%20Data%20Entry%20Guide%202015.pdf
- Epi Case Criteria Guide (Rev 2015):
 http://www.dshs.state.tx.us/workarea/linkit.aspx?linkidentifier=id&itemid=8589995012
- Laboratory Submission Guide: www.dshs.state.tx.us/lab/MRS_labtests_toc.shtm
 - NORS Outbreak Reporting Form: http://www.cdc.gov/nors/forms.html
 - o Contact the EAIDB Foodborne team for instructions on getting access to NORS.
- CDC Legionellosis Epidemiologic Investigation Tools: http://www.cdc.gov/legionella/health-depts/inv-tools.html
- CDC Legionellosis Hypothesis-Generating Form: http://www.cdc.gov/legionella/downloads/hypothesis-generating-questionnaire.pdf
- CDC Environmental Assessment Form: http://www.cdc.gov/legionella/downloads/environ-assess-instrument.pdf
- Texas Influenza Surveillance Handbook: http://www.dshs.state.tx.us/WorkArea/linkit.aspx?LinkIdentifier=id&ItemID=8589946469
- Vaccine Information Sheets: http://www.dshs.state.tx.us/immunize/literature/litlist.shtm
- Communicable Disease Chart and Notes for Schools and Child-Care Centers (Stock #6-30)
 - o Copies can be ordered at https://secure.immunizetexasorderform.com/default.asp



HELPFUL DSHS WEBSITES

- Main Agency Website: <u>www.dshs.state.tx.us/</u>
- Emerging and Acute Infectious Disease Branch: www.dshs.state.tx.us/idcu/health/ideas/
- Hepatitis B Perinatal Prevention Program: <a href="www.dshs.state.tx.us/idcu/disease/hepatitis
- Immunization Branch: www.ImmunizeTexas.com
- Infectious Disease Control Unit: <u>www.texasdisease.org</u>
- Recommended Immunization Schedules: www.dshs.state.tx.us/immunize/schedule/default.shtm
- School & Child-Care Facility Requirements: www.dshs.state.tx.us/immunize/school/default.shtm
- Texas Administrative Code (TAC), Title 25 Health Services, §§97.1-97.14:
 http://texreg.sos.state.tx.us/public/readtac\$ext.ViewTAC?tac_view=4&ti=25&pt=1&ch=97
- Vaccine Adverse Event Reporting System (VAERS): www.dshs.state.tx.us/immunize/safety/vaersweb.shtm
- Vaccine Preventable Diseases Main Page: www.dshs.state.tx.us/idcu/health/vaccine_preventable_diseases/
- DSHS Forms and Literature: http://hhsc.pinnaclecart.com/dshs/
 (Order DSHS forms and literature online and is easy and efficient to use.)
- Immunizations Forms and Literature: https://secure.immunizetexasorderform.com/default.asp (Order forms and literature online without setting up an account and products are FREE.)



HELPFUL CDC WEBSITES

- CDC Vaccines and Preventable Diseases: www.cdc.gov/vaccines/vpd-vac/default.htm
- Manual for the Surveillance of Vaccine Preventable Diseases: www.cdc.gov/vaccines/pubs/surv-manual/index.html
- Morbidity and Mortality Weekly Report (MMWR): <u>www.cdc.gov/mmwr/</u>
- Epidemiology and Prevention of Vaccine Preventable Disease (Pink Book): http://www.cdc.gov/vaccines/pubs/pinkbook/index.html
- Epidemiology & Prevention of Vaccine-Preventable Diseases 2011 (EpiVac) Web-On-Demand Modules: www.cdc.gov/vaccines/ed/epivac/default.htm
- Recommendations of the Advisory Committee on Immunization Practices (ACIP) Influenza Prevention and Control Recommendations: www.cdc.gov/flu/professionals/acip/index.htm
- Centers for Disease Control and Prevention Pneumococcal Disease information: http://www.cdc.gov/pneumococcal/clinicians/clinical-features.html
- Centers for Disease Control and Prevention Group A Streptococcal Disease (GAS) information: http://www.cdc.gov/groupAstrep/resources.html