



DEPARTMENT: Global Health

COURSE NUMBER: 512

CREDIT HOURS: 2

TITLE: Health in Complex Humanitarian Emergencies

DATES: Tuesday, January 3rd – Friday, January 6th, 2017

LOCATION: CNR 1000, Rollins School of Public Health

INSTRUCTORS

Mark Anderson

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TAs

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COURSE DESCRIPTION

This course covers the technical and management principles that are the basis of planning, implementing, and evaluating health programs for acutely displaced populations in developing countries. The emphasis is on refugees in camp situations. The course includes modules on assessment, nutrition, and epidemiology of major health problems, surveillance, and program management in the context of an international relief operation.

LIST SCHOOL LEVEL, DEPARTMENT, AND/ OR PROGRAM COMPETENCIES

Students will be able to:

1. Describe a complex humanitarian crisis in terms of magnitude, person, time and place
2. Calculate basic epidemiology measures
3. Evaluate the strengths and limitations of epidemiological data within the context of CHE
4. Develop public health programs and strategies responsive to the diverse cultural values and traditions of the community being served
5. Identify internal and external problems that may affect the delivery of essential public health services in a CHE

LIST LEARNING OBJECTIVES ASSOCIATED WITH THE COMPETENCIES

Students will be able to:

1. Describe 3 best processes in emergency mental health intervention for beneficiary populations.
2. Explain 3 best practices for responder resiliency.
3. Use interactive tools for initial assessment, planning and evaluation.
4. Describe all main strategies of prototypical interventions.
5. Describe the pitfalls and challenges of emergency mental health interventions.
6. Explain prevention, promotion and intervention strategies within a flexible framework.
7. Explain the major causes of morbidity and mortality in CHE, including the immediate public health priorities to be addressed
8. List 3 SPHERE standards and their usage.
9. List emergency thresholds and benchmarks
10. Explain the cluster approach and how the major players work together in a CHE

EVALUATION

Students will be evaluated based on:

- (1) In-class quizzes based on daily readings,
- (2) Class attendance/participation, and
- (3) Final exam.

No make-up quizzes will be given. The final exam assignment will be provided on the last day of class, and will be due to the Digital Dropbox on the Blackboard course site by 5 p.m. on Friday, January 13th, 2017. No late papers will be accepted.

Final course grades will be calculated as follows:

20% Class participation

30% Quiz Score Average

50% Final Exam

Overall scoring: A 93-100; A- 90-92; B+ 87-89 ;B 83-86 ;B- 80-82 ;C+ 77-79 ;C 73-76 ;
C- 70-72 ; D+ 67-69;D 60-66; F <60 0

ACADEMIC HONOR CODE

The RSPH requires that all material submitted by a student in fulfilling his or her academic course of study must be the original work of the student.

DAY 1: Tuesday, January 3rd

Time	Topic / Activity	Facilitator(s)
9:00	Introductions and course announcements	Mark Anderson
	Daily quiz on the assigned readings listed below for today's class	Barbara Lopes-Cardozo
9:30	Refugees, displaced persons, conflict and complex emergencies: setting the stage	Mark Anderson
10:15	Who are the major actors in complex emergencies? Where do we fit in?	Cyrus Shahpar
10:45	<i>Break</i>	
11:00	Malaria	Dave Townes <i>remote</i>
12:00	<i>Lunch</i>	
1:00	Data Collection in Emergencies	Farah Husain
2:00	<i>Break</i>	
2:15	Camp management and public health intervention- coordination, logistics, distribution systems, water and sanitation	Mark Anderson
3:15-5:30	<i>Class exercise: Riverina</i>	Barbara Lopes-Cardozo Mark Anderson Farah Husain Susan Cookson Kate Meehan Cyrus Shahpar

Assigned reading: (these are the readings you will be tested on)

1. [Médecins sans Frontières \(MSF\). Refugee Health: an Approach to Emergency Situations](#) (henceforth referred to as "MSF book").
 - a. pages **13-42** Political and socio-cultural aspects of refugee & IDP populations
 - b. pages **43-54** Initial assessment
 - c. pages **114-123** Shelter and site planning
 - d. pages **191-205** Public health surveillance
 - e. pages **223-230** Coordination
 - f. pages **231-240** A special issue: camp management
 - g. pages **182-190** Malaria control
2. [Toole MJ and Waldman RJ. The public health aspects of complex emergencies and refugee situations. Annu Rev Public Health 1997; 18: 283-312.](#)
3. [World Health Organization \(2005\). Introduction, Chapter 1. In Malaria Control in Complex Emergencies: An Inter-agency Field Handbook. Geneva: World Health Organization, pp.1-13.](#)
4. [Salama P, Spiegel P, Talley L, Waldman R. Lessons learned from complex emergencies over past decade. Lancet 2004; 364: 1801-1813.](#)

Optional reading:

1. [Burkholder BT and Toole MJ. Evolution of complex disasters. Lancet 1995; 346: 1012-15.](#)
2. [Akello-Ayebare G, et al. \(2010\). Healthcare-seeking strategies among displaced children in war-ridden northern Uganda: the case of malaria. Annals of Trop Med and Parasitology 104: 369-376.](#)
3. [The Interagency Handbook on Malaria Control in Emergencies](#) (NOTE to class participants, not well updated)
4. [Feachem RGA, et al. \(2010\). Shrinking the malaria map: progress and prospects. Lancet 376: 1566-78 \(Published online Oct, 29,2010. DOI: 10.1016/S0140-6736\(10\)61270-6.](#)
5. [Greenwood, B et al. \(2005\). Malaria. The Lancet 365: 1487-1498.](#)
6. [Famine affected, refugee, and displaced populations: Recommendations for public health issues. MMWR, 41: RR-13. Pages 1 - 25; 26-35.](#)
7. [Spiegel P, Sheik M, Gotway-Crawford C, Salama P. Health programmes and policies associated with decreased mortality in displaced people in post emergency phase camps: a retrospective study. Lancet 2002; 360: 1927–34. Published online Nov 19, 2002](#)
8. [Spiegel P, Salama P. War and mortality in Kosovo, 1998–99: an epidemiological testimony. Lancet 2000; 355: 2204–09.](#)
9. [Depoortere E, Checchi F, Broillet F, et al. Violence and mortality in West Darfur, Sudan \(2003-04\): epidemiological evidence from four surveys. Lancet 2004; 364\(9442\): 1315-1320.](#)
10. [IASC Different Needs – Equal Opportunities: Increasing Effectiveness of Humanitarian Action for Women, Girls, Boys and Men](#)
11. [Dyan Mazurana, Prisca Benelli, Huma Gupta and Peter Walker, “Sex and Age Matter: Improving Humanitarian Response in Emergencies.” Feinstein International Center, Tufts University, August 2011.](#)
12. [Marfin, A.A., Moore, J., Collins, C., Biellik, R., Kattel, U., Toole, M.J. & Moore, P.S. Infectious Disease Surveillance During Emergency Relief to Bhutanese Refugees in Nepal. JAMA 1994; 272\(5\): 377-381.](#)

DAY 2: Wednesday, January 4th

Time	Topic / Activity	Facilitator(s)
9:00	Course announcements	Mark Anderson Barbara Lopes Cardozo
	Daily quiz on the assigned readings listed below for today's class	
9:30	Reproductive Health	Michelle Hynes/Kate Meehan
10:30	Non-Communicable Disease	Barbara Lopes Cardozo
11:30	<i>Break</i>	
11:45	Food and Nutrition	Carlos Navarro-Colorado
12:45	<i>Lunch – Panel of Guests</i>	
1:45	Water and Sanitation	Tom Handzel
2:45	Diarrheal Disease	Eric Mintz
3:45-4:00	<i>Break</i>	
4:00-5:30	<i>Class exercise: Cholera</i>	Barbara Lopes Cardozo Mark Anderson Michelle Hynes Tom Handzel Carlos Navarro-Colorado Ashley Greiner

Assigned reading: (these are the readings you will be tested on)

- MSF Book
 - pages **252-259** Reproductive health in the post-emergency phase
 - pages **154-171** Control of diarrheal diseases
 - pages **66-80** Water and Sanitation
- [Young H, Borrel A, Holland D, Salama P. Public nutrition in complex emergencies. The Lancet 2004; 364: 1899-1909.](#)
- [Harmonized Training Package: Module 3: Understanding Malnutrition. Technical Notes. 2011.](#)
- [Austin, J., et al. \(2008\). "Reproductive Health: A Right for Refugees and Internally Displaced Persons." Reproductive Health Matters 16\(31\): 10-21](#)
- [Demaio A, Jamieson J, Horn R, de Courten M, Tellier S. Non-communicable diseases in emergencies: A call for action. PLOS Current Disasters \(2013\).](#)

Optional reading:

- [Boss LP, Toole MJ, and Yip R. Assessments of mortality, morbidity, and nutritional status in Somalia during the 1991-1992 famine. JAMA 1994; 272: 371-376.](#)
- [Toole MJ. Micronutrient deficiencies in refugees. Lancet 1992; 339: 1214-1216.](#)

3. [Inter-Agency Standing Committee \(2006\). Gender Handbook in Humanitarian Action: Gender and Water, Sanitation and Hygiene in Emergencies. Pages 105 – 110.](#)
4. [Hynes M, Sheik M, Wilson HG, Spiegel P. Reproductive health indicators and outcomes among refugees and internally displaced persons in postemergency phase camps. JAMA 2002; 288: 595-603.](#)
5. [Stark, L. and A. Ager \(2011\). "A systematic review of prevalence studies of gender-based violence in complex emergencies." Trauma Violence Abuse 12\(3\): 127-134.](#)
6. [Cholera, 2015. Weekly Epidemiological Record. 23 September, 2016, Volume 91, No. 38, 2016, 433-440](#)

DAY 3: Thursday, January 5th

Time	Topic / Activity	Facilitator(s)
9:00	Course announcements	Mark Anderson Barbara Lopes Cardozo
	Daily quiz on the assigned readings listed below for today's class	
9:30	Logistics Fundamentals in a Complex Humanitarian Emergency	George Roark
10:30	<i>Break</i>	
10:45	Acute respiratory infection	Susan Cookson
11:45	Communicable Diseases including HIV and TB: an overview	Susan Cookson
12:45	<i>Lunch</i>	
1:45	Measles and other vaccine-preventable diseases	Jim Goodson
2:45	Mental Health and Psychosocial issues in complex emergencies	Barbara Lopes Cardozo
4:00	<i>Break</i>	
4:15-5:30	<i>Class exercise: Measles</i>	Mark Anderson Susan Cookson Jim Goodson/Meredith Dixon Endang Widiastuti Kate Meehan Erin Hulland

Assigned reading: (these are the readings you will be tested on)

1. MSF book:

- | | |
|-------------------------|--|
| a. pages 55-65 | Measles immunization |
| b. pages 172-177 | Measles control |
| c. pages 261-263 | Expanded Programme on Immunization [EPI] |
| d. pages 354-355 | Poliomyelitis |
| e. pages 145-153 | Control of communicable diseases and epidemics |
| f. pages 178-181 | Control of respiratory infections |
| g. pages 260-264 | Child health care in the post-emergency phase |
| h. pages 265-274 | HIV, AIDS and STD |

2. [MMWR. Nationwide Measles Vaccination Campaign for Children Aged 6 Months-2 Years.](#)

[Afghanistan, 2002. 2003 / 52\(16\): 363-366.](#)

3. [Connolly MA, Gayer M, Ryan MJ, Salama P, Spiegel P, Heymann DL. Communicable diseases in complex emergencies: impact and challenges. Lancet 2004; 364\(9449\): 1974-83.](#)
4. [Mollica RF, Lopes Cardozo B, Osofsky H J, Raphael B, Ager A, Salama P. Mental health in complex emergencies. The Lancet 2004; 364: 2058-2067. IASC Guidelines: Mental Health and Psychosocial support in Humanitarian Emergencies: What should humanitarian actors know?](#)
5. [IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings. Interagency standing committee 2007.](#)

Optional reading:

6. [Toole MJ, et al. Measles prevention and control in emergency settings. Bull WHO 1989; 67: 381-388.](#)
7. [Lee, CI, et al. \(2009\). Internally displaced human resources for health: villager health work](#)
8. [Salama P, Assefa F, Talley L, Spiegel P, van der Veen A, Gotway CA. Malnutrition, measles, mortality, and the humanitarian response during a famine in Ethiopia. JAMA 2001; 286: 563-571.](#)
9. [Inter-Agency Standing Committee \(2006\). Gender Handbook in Humanitarian Action: Gender and Health in Emergencies. Pages 77 - 82.](#)
10. [Speigel PB, Hering H & Schilperoord M \(2010\). Conflict-affected displaced persons need to benefit more from HIV and malaria national strategic plans and Global Fund grants. Conflict and Health 4: 2.](#)
11. [Ellman T, Culbert H, Torres-Feced V. Treatment of AIDS in conflict-affected settings: a failure of imagination. Lancet 2005; 365: 278–280](#)
12. [Strategies to support the HIV-related needs of refugees and host populations \(UNAIDS best practice collection\) "A joint publication of the Joint United Nations Programme on HIV/AIDS \(UNAIDS\) and the United Nations High Commissioner for Refugees \(UNHCR\)." "UNAIDS/05.21E" Includes references.](#)
13. [Hankins CA, Friedman SR, Zafar T, Strathdee SA. Transmission and prevention of HIV and sexually transmitted infections in war settings: implications for current and future armed conflicts. AIDS 2002; 16: 2245-52.](#)
14. [Connolly MA, Communicable Disease Control in Emergencies, A Field Manual, World Health Organization, 2005](#)
15. [Connolly MA, et al. TB Care and Control in Refugee and Displaces Populations, World Health Organization, 2007](#)
16. [Coninx R. Tuberculosis in complex emergencies. Bull WHO 2007; 85\(8\): 637-43.](#)
17. [Lopes Cardozo B, Bilukha O, Gotway CA, Shaikh I, Wolfe M, Gerber M, Anderson M. Mental Health, Social Functioning, and Disability in Postwar Afghanistan. JAMA 2004; 292\(5\): 575-584.](#)
18. [Lopes Cardozo B, Gotway Crawford C, Eriksson C, Zhu J, Sabin M, et al. \(2012\) Psychological Distress, Depression, Anxiety, and Burnout among International Humanitarian Aid Workers: A Longitudinal Study. PLoS ONE 7\(9\): e44948. doi:10.1371/journal.pone.0044948.](#)
19. [Managing stress in humanitarian aid workers. Guidelines for good practice. Antares Foundation. \(third edition, March 2012\).](#)
20. [Spiegel P. HIV/ AIDS among conflict-affected and displaced populations: dispelling myths and taking action. Disasters 2004; 28\(3\): 322-339.](#)
21. [Bellos A, Mulholland K, O'Brien KL, et al. The Burden of Acute Respiratory Infections in Crisis-affected Populations: a Systemic Review. Conflict and Hlth 2010; 4:3](#)
22. [Goma Epidemiology Group. Public health impact of Rwandan refugee crisis: what happened in Goma,](#)

[Zaire in July 1994? Lancet 1995; 345: 339-344.](#)

DAY 4: Friday, January 6th

Time	Topic / Activity	Facilitator(s)
9:00	Course announcements	Mark Anderson Barbara Lopes Cardozo
	Daily quiz on the assigned readings listed below for today's class	
9:30	Needs Assessment	Richard Garfield
10:30	<i>Break</i>	
10:45	Recovery Phase of CHE	Lisandro Torre
11:45	Simulation Intro	Mark Anderson, Barbara Lopes Cardozo, Jason Rothbard
12:00	<i>Working Lunch</i>	
1:00	Simulation Exercise	Everyone
	Final Exam and Course Evaluations	

Assigned reading: (these are the readings you will be tested on)

1. [Garfield R., Blake C., Chatainger P., Walton-Ellery S. Common Needs Assessments and Humanitarian Action. Humanitarian Practice Network. January 2011. Volume 69.](#)
2. [The SPHERE Project 2011. Section 2.5. Essential health services – mental health, pages 333-336.](#)