



JTF: GRISWOLD

SOUTH PACIFIC

- ★ Fiji
- ★ New Caledonia
- ★ Papua New Guinea
- ★ Samoa
- ★ Tasmania
- ★ Tonga

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OUTLINE

- Purpose
- Background
- Service Member Resources
- Deployment Requirements
- Common Health Problems
- Medical Threats
- Environmental Threats
- Re-Deployment
- Command Responsibilities
- Service Member Responsibilities



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South Pacific
COUNTRIES



PURPOSE

- To develop a Medical Threat evaluation for the South Pacific, Oceania Region, designed to help reduce the risk of disease and non-battle injury as well as the risks associated with infectious and environmental hazards while deployed



BLUF

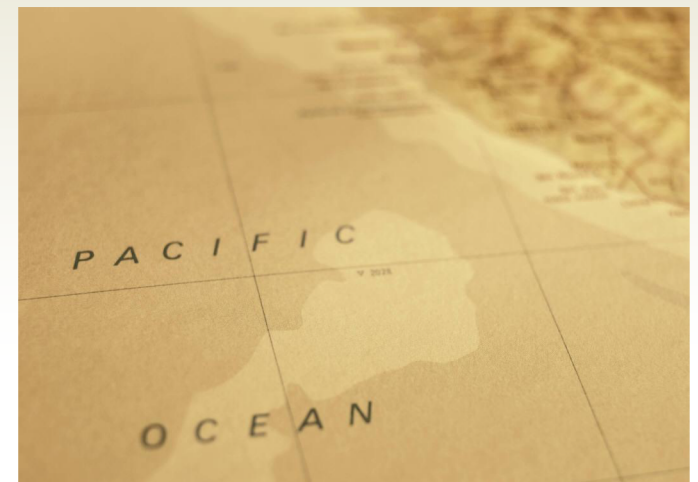
- Individual Readiness and knowledge of possible regional threats for Oceania must be ensured in the pre-deployment, deployment, and redeployment phases in order to maintain overall task force readiness and to protect the health of multifactorial US Forces comprised of Army, Navy, Marine, and Air Force assets

BACKGROUND

- Oceania

Australia	Melanesia	Micronesia	Polynesia
Australia, Norfolk Island	Timor, New Guinea, New Caledonia, Papua New Guinea, Solomon Islands, Vanuatu	Guam, Kiribati, Marshall Islands, Mariana Islands, Federated States of Micronesia, Nauru, Palau, Wake	Samoa, Cook Islands, French Polynesia, New Zealand, Niue Pitcairn Islands Tokelau, Tonga

- **Medical capabilities**
 - Hospitals, Universities, Clinics
- **Blood Supply**
 - Country Dependent





CLOSEST MILITARY BASES

Hawaii

- Pearl Harbor
- Hickam Air Force Base
- Tripler Army Medical Center
- Schofield Barracks
- Kaneohe Marine Corp Base
- Barking Sands Naval Base

Australia

- Robertson Barracks, Darwin
- Bradshaw Field, North Cape
- Royal Darwin Hospital, Darwin

Guam

- Andersen Air Force Base in Yigo, Guam
- Naval Base Guam Navy Base in Apra Harbor, Guam.
- US Naval Hospital Guam.
- Naval Force Marianas Navy Base in Maria NAS, Guam

Korea

- Osan Air base
- Chinhae Navy Base in Busan
- Brain Allgood Army Hospital, Seoul



SERVICE MEMBER RESOURCES

- Deployment Health Guide: Army Guide to Staying Healthy
 - GTA 08-05-062
- A Soldier's Guide To Staying Healthy: Oceania
 - SHG 030-0304
- Family Support
 - Military Onesource
- Military Assets
 - Fleet & Family Readiness Centers (Navy)
 - Airmen & Family Readiness Centers (Air Force)
 - Family Readiness Group (Army) (Department of Defense [DoD], 2014)





DEPLOYMENT REQUIREMENTS

- Deployments > 30 days
- Required DoDI 6025.19:
 - PHA
 - Deployment-limiting medical and dental conditions
 - Dental assessment Class 1 & 2
 - Immunization status
 - Medical readiness and laboratory studies
 - Individual medical equipment and prescription meds
- Pre-deployment Health Risk Assessment (DD 2795)
 - Mental Health Assessment
 - Baseline Neurologic Testing
 - Pregnancy Testing



IMMUNIZATIONS

- Deployment requirements
 - Hepatitis A & B series
 - Tetanus-Diphtheria
 - Polio
 - Measles/Mumps/Rubella
 - Typhoid*
 - Varicella
 - Influenza
 - Yellow Fever*
 - Rabies*
 - Meningococcal
- Immunization tracking
 - ASIMS (USAF)
 - MEDPROS (ARMY)
 - MRRS (NAVY & Marines)





DISEASE NON-BATTLE INJURY

- Disease Non-Battle Injury (DNBI) comprises 75% more injuries than actual battlefield casualties
 - Musculoskeletal Injuries
 - Sprains / Fractures
 - Reinforce PT, stretching, hydration, education
 - Psychological
 - Combat Stress / Family
 - Battle buddy, CSO, education



Medical Threats

VECTOR

DISEASE	INCIDENCE / RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTER-MEASURES
Malaria	1-10% / High	Mosquito bites (Plasmodium vivax, P. faldi., P. malariae, P. ovale.)	DEET, Permethrin treated uniforms, bed nets, long sleeves & long pants, Primaquine, Doxycycline, or Malarone	Headache, chest pain, arthralgia, nausea, vomiting, diarrhea, myalgia, fever, chills, sweating	Primaquine, Doxycycline, or Malarone	Mosquito control, chemo prophylaxis, education, preventative med visits, sx screening
Dengue Fever	1-10% / Intermediate	Mosquito bites	Same as above	Fever, chills, headache, eye pain, musculoskeletal pain, rash, can develop into shock and frank bleeding	Fluid replacement, monitor for shock, (avoid salicylates)	Mosquito control, education, preventative med visits
Ross River Virus	1-10% / Intermediate	Same as above	Same as above	Nonspecific fever & headache, myalgia, polyarthritis, maculopapular rash	Supportive care	Same as above
Typhus	Less than 1% / Intermediate	Same as above	Same as above	Abrupt fever, headache, myalgia, cough, increased respiratory rate, difficulty breathing, possible hearing loss, lymphadenopathy	Doxycycline	Same as above
Chikungunya	Unknown / Intermediate	Same as above	Same as above	Myalgia, headache, nausea, vomiting, joint pain, rash	Supportive care	Same as above
Japanese Encephalitis	Rare / Low	Same as above	Same as above + Japanese Encephalitis vaccination	Fever, chills, malaise, headache, confusion, nausea, vomiting, seizures	Supportive care	Same as above

(CDC, 2014; NCMI, 2014)

FOOD AND WATERBORNE

DISEASE	INCIDENCE/RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTER-MEASURES
Bacterial Diarrhea	11-50% / High	Poor sanitation, improperly cooked food, contaminated water	Field sanitation, hand hygiene, eating/drinking from approved sources, brushing teeth with approved water	Dehydration, loose watery stools, +/- fever	Oral rehydration, antibiotics, anti-diarrheal	Hand hygiene, treat water, thoroughly cook food, isolate infected individuals and wastes per protocol
Protozoal Diarrhea	Less than 1% / Intermediate	Same as above	Same as above	Dehydration, loose watery stools, +/- fever	Oral rehydration, anti-protozoals, anti-diarrheal	Hand hygiene, treat water, thoroughly cook food, isolate infected individuals and wastes per protocol
Hepatitis A	Less than 0.1% / Intermediate	Same as above	Same as above, Hepatitis A vaccine	Nausea, fever, jaundice, loss of appetite, abdominal pain, dark colored urine	Supportive care, prophylactic vitamin A, IVIG	Hepatitis A vaccine, hand hygiene, proper sanitation
Typhoid	Less than 0.1% / Intermediate	Same as above	Same as above, prophylactic typhoid vaccine	Abdominal pain, nausea, diarrhea, constipation, sore throat, cough, maculopapular lesions	Antibiotics, supportive care, cholecystectomy, possible evacuation	Protect food & water sources from being exposed to waste. Isolate affected stool & urine.
Hepatitis E	Less than 0.01% / Low	Same as above, contamination through infected feces, direct contact with infected person	Same as above, Hepatitis B vaccine	Fever, weakness, dark colored urine, clay colored stools, rashes, hepatomegaly, nausea, jaundice	Supportive care, prophylactic Hepatitis B vaccine	Prophylactic Hepatitis B vaccine

FOOD AND WATERBORNE II

DISEASE	INCIDENCE/ /RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTER-MEASURES
Leptospirosis	Unknown / Intermediate	Open skin contact with contaminated water by rodents, cattle & pigs.	Doxycycline prophylaxis, avoid local fresh water contact	Rash, nausea, vomiting, sore throat, red eyes, myalgia, fever, cardiac changes on EKG	Antibiotics, supportive care	Doxycycline PO
Cholera	Less than 0.1% / Low	Poor sanitation, improperly cooked food, contaminated water	Field sanitation, hand washing, eating/drinking/ brushing teeth from approved sources	Watery / grayish turbid stools, vomiting, dehydrated appearance, low temperature, muscle cramps	IV and oral rehydration, antibiotics	Boiling water, sterilizing utensils, thoroughly cooking food, field sanitation
Brucellosis	Less than 0.01% / Low	Poor sanitation, improperly cooked food, contaminated water, contact with infected dairy products	Same as above	Fever, chills, sweating, fatigue, headache, lymphadenopathy	Antibiotics, acetaminophen, corticosteroids, supportive care	Field sanitation, hand washing, eating/drinking from approved sources, wear gloves when working with livestock, cook meat thoroughly, secretion precautions

ANIMAL

DISEASE	INCIDENCE / RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTER-MEASURES
Q Fever	Less than 0.1% / Intermediate	Respiratory, contact with infected animals or barnyard materials	Avoid contact with local livestock and their containment areas	Fever, pneumonia, cough, chills, night sweats, photophobia, severe headaches, lymphadenopathy, hepatitis, cardiac issues	Antibiotics, possible heart valve replacement	Hand hygiene, avoid exposure to livestock.
Rabies	Rare / Low	CNS infection caused by contaminated animal bites	Avoid interaction with local animals to prevent bites/scratches	Pruritus, fever, malaise, nervousness, photophobia, excessive salivation, paralysis, shallow respirations, hydrophobia, flaccid paralysis that could develop into quad paralysis	Rabies immune globulin, rabies vaccine, wounds care, tetanus	Avoid contact with animals



SEXUALLY TRANSMITTED DISEASE

DISEASE	INCIDENCE/ RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTER-MEASURES
Hepatitis B	Less than 1% / High	Unprotected sex, contaminated blood products & body secretions	Education, abstinence, condom use, Hepatitis B vaccine	Loss of appetite, nausea, abdominal pain, jaundice, dark urine, clay colored stools	Supportive care, alpha-2B interferon, lamivudine, antivirals	Education, proper PPE, General Order #1
Gonorrhea/Chlamydia	1-50% / Intermediate	Same as above	Education, abstinence, condom use	Painful urination, greenish purulent urethral excretion	Antibiotics	Same as above, follow-up with test-for-cure
HIV/AIDS	Less than 0.1% / Intermediate	Same as above	Same as above	Fever, sore throat, non-pruritic skin rash, malaise, headache, lymphadenopathy, pharyngitis, mucotaneous ulcerations	Treatment per symptomology, evacuation	Education, condom use, screening blood products
Syphilis	Less than 0.1% / Intermediate	Same as above	Same as above	Papular chancres, rash, malaise	Antibiotics	Same as above



RESPIRATORY

DISEASE	INCIDENCE / RISK	CAUSES	PREVENTION	SYMPTOMS	TREATMENT	COUNTERMEASURES
Tuberculosis	Rare / Intermediate	Infected aerosol droplet exposure	Screening PPD, chest x-ray	Cough, fever, weight loss, bloody sputum	Multi-antibiotic combo	Antibiotic prophylaxis for high-risk exposure
Pertussis	Rare / Intermediate	Same as above	Tdap	whoop-like cough, fever, rhinitis	Antibiotics, supportive care	Limit contact with infected individuals, proper hygiene



ENVIRONMENTAL THREATS

- Cold / Heat Stress Casualties
 - Acclimatization
 - Proper Clothing/Uniform
 - Work/Rest Cycles (Temperature Monitoring WGBT)
 - Hydration Tables
 - Treatment / MEDEVAC Plan
- Natural Disasters
 - Typhoon
 - Tsunami
 - Earthquakes / Volcanoes
- Pollution
 - Soil / Water
- Altitude
- UXO



ANIMAL THREATS

- **Snakes**
 - Five poisonous species
- **Jellyfish**
 - Box Jellyfish - most venomous and dangerous sea creature in the world
- **Spiders**
 - Tarantulas
- **Bats**
 - Rabies
- **Dogs**
 - Feral
- **Insects**
 - Jack Jumper ants kill more people than all other Tasmanian wildlife combined - avoid and report all sightings
- **Rodents**
 - Can spread Hantavirus Hemorrhagic Fever
- **Birds**
 - May be a source of rare infections called psittacosis (Parrot fever)





MEDEVAC CRITERIA

- Very Severe
 - Requires Role 4 or tertiary care with significant mortality or morbidity involved
- Severe
 - Hospitalization or requires convalescence greater than 7 days and requires evacuation
- Moderate
 - Will return to duty but requires up to 7 days of inpatient and/or supportive care
- Mild
 - Will return to duty but requires less than 72 hours of restricted or no duty. No inpatient care is required



RE-DEPLOY REQUIREMENTS

- DD2796
 - Completed within 30 days before or after re-deployment
 - Face to Face interview with a trained provider
- DD2900
 - Completed within 90-180 days before or after re-deployment
- Tuberculosis screening
 - PPD test
- HIV screening
 - Within 30 days of re-deployment
- Medical Threat debriefing
 - Within 5 days pre or post deployment
- Continue malaria prophylaxis (Terminal Prophylaxis)
 - As previously prescribed
- Anticipatory Guidance for Homecoming
 - Stress, Reunion/Reintegration Issues



STAFF RESPONSIBILITIES

- Command responsibilities
 - Review and disseminate all current deployment and re-deployment guidelines
 - Use appropriate resources for guideline information
 - NCMC
 - CDC
 - WHO
- Medical staff
 - Provide weekly reports to Command
 - Pre-deployment
 - During deployment
 - Post deployment
- Documentation
 - Insure proper documentation
 - Maintain proper documentation

SOLDIERS RESPONSIBILITIES

- Compliance with all:
 - Medical examinations
 - Dental examinations
 - All screenings
 - Immunizations
 - Waivers
 - Attendance at Medical briefings
 - Usage of PPE
 - Health and Welfare policy
 - Chemoprophylaxis
- Service Members must report:
 - Injuries
 - Illnesses
 - Exposures





SUMMARY

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QUESTIONS



FIJI REFERENCES

- Australian Government Department of the Environment. (2014). Biodiversity. Retrieved November 21, 2014 from <http://www.environment.gov.au/biodiversity>
- Centers for Disease Control and Prevention. (2013). Health information for traveler's to fiji. Retrieved November 21, 2014 from [http://wwwnc.cdc.gov/travel/destinations/traveler/ none/fiji](http://wwwnc.cdc.gov/travel/destinations/traveler/none/fiji)
- Centers for Disease Control and Prevention. (2014). Traveler's health: Disease directory. Retrieved November 21, 2014 from <http://wwwnc.cdc.gov/travel/diseases>
- Central Intelligence Agency. (2014). The world fact book: Australia-Oceania: Fiji. Retrieved November 21, 2014 from [https://www.cia.gov/library/publications/the-world-factbook/ geos/fj.html](https://www.cia.gov/library/publications/the-world-factbook/geos/fj.html)
- Department of Defense. (2011). Deployment Health. Retrieved November 21, 2014 from <http://www.dtic.mil/whs/directives/corres/pdf/649003p.pdf>
- Fiji Meteorological Service. (2014). Retrieved November 21, 2014 from <http://www.met.gov.fj/>
- National Center for Medical Intelligence. (2009). Environmental health risk assessment: Oceania. Retrieved from <https://www.intelink.gov/ncmi/afmicdocument.php?id=76844>
- National Center for Medical intelligence. (2013). Fiji: Blood safety index. Retrieved November 21, 2014 from [https:// www.ncmi.detrick.army.mil/document.php?id=103626](https://www.ncmi.detrick.army.mil/document.php?id=103626)
- National Center for Medical Intelligence. (2014a). Infectious disease risk assessment database (IDRA): Oceania. Retrieved November 21, 2014 from https://www.ncmi.detrick.army.mil/product/idra_db.php?co=V1
- National Center for Medical intelligence. (2014b). Oceania: Force health protection recommendations. Retrieved November 21, 2014 from <https://www.intelink.gov/ncmi/afmicdocument.php?id=104403>
- Tourism Fiji. (2014). Weather and climate. Retrieved November 21, 2014 from <http://www.tourismfiji.com/fiji-weather.html>
- U.S. Department of State. (2014). U.S. passports & international travel: Fiji. Retrieved November 21, 2014 from <http://travel.state.gov/content/passports/english/country/fiji.html>
- Virtual Tourist. (2013). Fiji warnings and dangers. Retrieved November 21, 2014 from http://www.virtualtourist.com/travel/Australia_and_Oceania/Fiji/Warnings_or_Dangers-Fiji-TG-C-1.html
- World Health Organization. (2011). Fiji country profile. Retrieved from http://www.wpro.who.int/countries/fji/7FIJpro2011_finaldraft.pdf?ua=1



NEW CALEDONIA REFERENCES

Belmont, P.J., Goodman, G.P., Waterman, B., DeZee, K., Burks, R., & Owens, B.D. (2010). Disease and nonbattle injuries sustained by a us army brigade combat team during operation iraqi freedom. *Military Medicine* 175(7), 469-476.

Centers for Disease Control and Prevention. (2014). Health Information for Travelers to New Caledonia. Retrieved from <http://www.cdc.gov/travel/destinations/clinician/none/new-caledonia>

Central Intelligence Agency. (2014). The World Factbook: New Caledonia. Retrieved from <https://www.cia.gov/library/publications/the-world-factbook/geos/nc.html>

Department of Defense. (2014). Deployment Health Clinical Center. Retrieved from <http://www.pdhealth.mil/main.asp>

Department of Defense United States Pacific Command. (2014). USPACOM Area of Responsibility. Retrieved, from <http://www.pacom.mil>

National Center for Medical Intelligence. (2014). New Caledonia. Retrieved from <https://www.intelink.gov/ncmi/country.php?country=NCL>

U.S. Navy. (2014). U.S. Naval Hospital Guam. Retrieved from <http://www.med.navy.mil/sites/usnhguam/Pages/default.aspx>

U.S. State Department. (2014). New Caledonia. Retrieved from <http://travel.state.gov/content/passports/english/country/new-caledonia.html>

World Health Organization. (2014). Health Information and Intelligence Platform: New Caledonia. Retrieved from <http://hiip.wpro.who.int/portal/Countryprofiles/NewCaledonia/HealthProfiles/TabId/190/ArtMID/1008/ArticleID/85/Default>



PNG REFERENCES

- Nations Online.org. (2014). Papuaniugini- Independent State of Papua New Guinea. Retrieved from http://www.nationsonline.org/oneworld/papua_new_guinea.htm#Map
- Arguin, P. M., & Tan, K. R. (2014). <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/malaria>. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/malaria>
- Blaz, D. (2014). Military services medical screening and more [PowerPoint slides]. Retrieved from <https://learning.usuhs.edu/portal/site/b6369e95-9b1c-49fc-ad0c-b8091ae3a665/page/39cb3d63-4943-4c32-8aac-bd1aa0248fa0>
- Cahoon, B. M. (2014). Papua New Guinea. Retrieved from http://www.worldstatesmen.org/Papua_New_Guinea.htm
- Center for Disease control. (2014). Travel Vaccines & Malaria Information, by Country. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/travel-vaccines-and-malaria-information-by-country/papua-new-guinea#seldyfm533>
- Centers for Disease Control. (2014). Rabies. Retrieved from <http://wwwnc.cdc.gov/travel/diseases/rabies>
- Centers for Disease Control. (2014). Rabies VIS. Retrieved from <http://www.cdc.gov/vaccines/hcp/vis/vis-statements/rabies.html#who>
- Centers for Disease Control. (2014). Travelers' Diarrhea. Retrieved from http://www.cdc.gov/ncidod/dbmd/diseaseinfo/travelersdiarrhea_g.htm#who
- Central Intelligence Agency. (2014). The World Factbook, Papua New Guinea. Retrieved from <https://www.cia.gov/library/publications/the-world-factbook/geos/pp.html>
- De Silva, H. A., Pathmeswaran, A., Ranasinha, C. D., Jayamanne, S., Samarakoon, S. B., Hittharage, A., ... Uluwathage, W. (2011, May 10, 2011). Low-Dose adrenaline, promethazine, and hydrocortisone in the prevention of acute adverse reactions to antivenom following snakebite: a randomized, double-blind, placebo-controlled trial. *PLoS Medicine*, 8(5), 1-10. <http://dx.doi.org/doi:10.1371/journal.pmed.1000435>
- Defense Centers of Excellence. (2014). Indications and conditions for in-theater post-injury neurocognitive assessment tool (NCAT) Testing. Retrieved from http://dvbic.dcoe.mil/sites/default/files/uploads/DCoE_Clinical%20Recommendations_Post%20Injury%20NCAT_05-31-2011_f.pdf
- Department of Defense Deployment Health Clinical Center. (2014). Pre-Deployment. Retrieved from http://www.pdhealth.mil/dcs/pre_deploy.asp
- Department of Defense Instruction, 6025.19 US Department of Defense § 6025.19 (June 9, 2014).
- DoD Deployment Health Clinical Center. (2014). Enhanced Post-Deployment Health Assessment (PDHA) Process (DD Form 2796). Retrieved from http://www.pdhealth.mil/dcs/DD_form_2796.asp
- GlobalSecurity.org . (2014). US Army Materiel Support Center- Korea (USAMSC-K). Retrieved from <http://www.globalsecurity.org/military/agency/army/msc-k.htm>
- Hills, S. L., Weber, I. B., & Fischer, M. (2014). Japanese Encephalitis. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/japanese-encephalitis>



PNG REFERENCES

- Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases, Army Regulation 40–562, BUMEDINST 6230.15B, AFI 48–110_IP, CG COMDTINST M6230.4G Headquarters Departments of the Army, the Navy, the Air Force, and the Coast Guard § Chapter 4 (2011). June, R. (2012, April). Access to information in healthcare service delivery in Papua New Guinea: 2012. *Global Integrity*, 1-6. Retrieved from http://www.academia.edu/8735733/Access-to-Information_in_Health_Care_Service_Delivery_in_Papua_New_Guinea
- Kokoda.commemoration.gov.au. (2014). Casualties. Retrieved from <http://kokoda.commemoration.gov.au/pdf/kokoda-milne-bay-buna-gona-casualty-lists.pdf>
- LaRocque, R. C., & Ryan, E. T. (2014). Respiratory Infections. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-2-the-pre-travel-consultation/respiratory-infections>
- Libassi, L., & Yanni, E. A. (2014). Jet Lag. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-2-the-pre-travel-consultation/jet-lag>
- Profile. Retrieved from <http://apps.who.int/medicinedocs/documents/s19087en/s19087en.pdf>
- Mathias, M. (2014). Managing a blood service in Papua New Guinea-challenges (2014/LSIF/PD/011). Retrieved from http://mddb.apec.org/Documents/2014/LSIF/PD/14_Isif_pd_011.pdf
- Munroe, M. (2014). PCCM Women’s Health [PowerPoint slides]. Retrieved from <https://learning.usuhs.edu/portal/site/b6369e95-9b1c-49fc-ad0c-b8091ae3a665>
- National Center for Medical intelligence. (2014). Papua New Guinea. Retrieved from https://www.intelink.gov/ncmi/product/idra_db.php?co=PNG
- Papua New Guinea Ministry of Health in collaboration with the World Health Organization. (2012). Papua New Guinea Pharmaceutical Country Profile. Retrieved from World Health Organization: <http://apps.who.int/medicinedocs/documents/s19087en/s19087en.pdf>
- Papua New Guinea Ministry of Health in collaboration with the World Health Organization. (2012). Papua New Guinea pharmaceutical country profile. Retrieved from World Health Organization: <http://apps.who.int/medicinedocs/documents/s19087en/s19087en.pdf>
- Pearson Education. (2014). Papua New Guinea. Retrieved from <http://www.infoplease.com/country/papua-new-guinea.html>
- Peden, M., Oyegbite, K., Ozanne-Smith, J., Hyder, A. A., Branche, C., Rahman, A. F., ... Bartolomeos, K. (2008). World report on child injury prevention (ISBN 978 92 4 156357 4). Retrieved from http://www.unicef.org/eapro/World_report.pdf
- Personnel Processing (In-Out-, Soldier Readiness, Mobilization, and Deployment Processing), Army Regulation 600–8–101 Headquarters Department of the Army § 4-1, 4-3 et seq. (2003).
- Technical bulletin medical, 505 Headquarters, Department of the Army § 3-2 (2010).
- Technical bulletin medical, 505 Headquarters, Department of the Army § 2-1 (2010).
- Technical bulletin medical, 505 Headquarters, Department of the Army § 6-2 (2010).
- The Commonwealth. (2014). Papua New Guinea. Retrieved from <http://thecommonwealth.org/our-member-countries/papua-new-guinea>
- Thompson, I., & Phillips, J. (2013). Papuan Languages. Retrieved from <http://aboutworldlanguages.com/papuan-languages>
- Tomashek, K. M., & Margolis, H. S. (2014). Dengue. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/dengue>
- U.S. Army Center for Health Promotion & Preventive Medicine. (2010). A soldier’s guide to staying healthy in Indonesia and Malaysia [Preventive Medicine Guide]. Retrieved from <http://deploymenthealthlibrary.fhp.osd.mil/Product/RetrieveFile?prodId=124>



PNG REFERENCES

- US Army Public Health Command (2013). Heat illness risk management [PowerPoint slides]. Retrieved from <http://phc.amedd.army.mil/topics/discond/hipss/Pages/HeatinjuryPrevention.aspx>
- U.S. Army Public Health Command. (2014). Japanese Encephalitis. Retrieved from <http://phc.amedd.army.mil/PHC%20Resource%20Library/JapaneseEncephalitisJan2010.pdf>
- US Department of Defense. (2014). US Transportation Command. Retrieved from <http://www.transcom.mil/news/read.cfm?id=1828>
- US Public Health Command (2014). Cold weather injuries: prevention, identification, and treatment [PowerPoint slides]. Retrieved from <http://phc.amedd.army.mil/topics/discond/cip/Pages/ResourceMaterials.aspx>
- Vallely, A., Page, A., Dias, S., Siba, P., Lupiwa, T., Law, G., ... Murray, J. M. (2010, December 23, 2010). The prevalence of sexually transmitted infections in Papua New Guinea: a systematic review and meta-Analysis. PLoS ONE, 5(12), 1-10. <http://dx.doi.org/DOI:10.1371/journal.pone.0015586>
- WHO and the National Department of Health, Papua New Guinea. (2012). Papua New Guinea health service delivery profile. Retrieved from World Health Organization: http://www.wpro.who.int/health_services/service_delivery_profile_papua_new_guinea.pdf
- Williams, D. (2008). Dangerous snakes of Papua New Guinea. Retrieved from <http://www.kingsnake.com/aho/research/snakebite2.html>
- Workowski, K., & Kidd, S. (2014). Sexually Transmitted Diseases. Retrieved from <http://wwwnc.cdc.gov/travel/yellowbook/2014/chapter-3-infectious-diseases-related-to-travel/sexually-transmitted-diseases>
- World Health Organization. (2014). Hepatitis B. Retrieved from <http://www.who.int/csr/disease/hepatitis/whocdscsrlyo20022/en/index1.html>
- World Health Organization. (2014). Papua New Guinea. Retrieved from <http://www.who.int/gho/countries/png.pdf?ua=1>



TAZMANIA REFERENCES

- Ambulance services in Tasmania. (2003). Retrieved from http://www.parliament.tas.gov.au/CTEE/old_ctees/reports/Ambulance%20Report%202003.pdf
- AR 40-562. (2006). Immunizations and chemoprophylaxis. Retrieved from <http://cdm16635.contentdm.oclc.org/cdm/ref/collection/p16635coll11/id/677>
- Assets and liabilities in target LGAs. (2014). Retrieved from <http://www.regional.gov.au/regional/tasmania/diversifying-tasmanias-economy/appendix-7.aspx>
- Australia. (2014). Summary of recommendations. Retrieved from <http://www.mdtravelhealth.com/destinations/oceania/australia.php#6>
- Australian Bureau of Statistics. (2006). Red Cross blood transfusion service. Retrieved from <http://www.abs.gov.au/Ausstats/abs@.nsf/7d12b0f6763c78caca257061001cc588/7008bd12952520a5ca256c320024173c!OpenDocument>
- Australia's Institute of Health and Welfare. (2014). Australia's hospitals 2012-2013 at a glance. Retrieved from <http://www.aihw.gov.au/WorkArea/DownloadAsset.aspx?id=60129547000>
- Australia's hospitals 2012-13 at a glance. (2014). Retrieved from <http://www.aihw.gov.au/WorkArea/DownloadAsset.aspx?id=60129547002>
- Belmont, P., Goodman, G. P., Waterman, B., Dezee, K., Burks, R., & Owens, B. D. (2010). Disease and non-battle injuries sustained by a U.S. army brigade combat team during operation Iraqi freedom. *Military Medicine*, 175, 469-476.
- COMDTINST M6000.1E. (n.d.). Medical readiness/deployment health. Retrieved from http://www.afhsc.mil/documents/pubs/documents/USCG_PDFs/MedMan.E.CH6.pdf
- Country Health. (2011). Country health information profile: Australia. Retrieved from http://www.wpro.who.int/countries/aus/2AUSTab2011_finaldraft.pdf?ua=1
- Department of Health and Human Services. (n.d.). Tasmanian hospitals. Retrieved from <http://www.dhhs.tas.gov.au/hospital>
- Department of Health and Human Services. (n.d.). Infectious diseases. Retrieved from http://www.dhhs.tas.gov.au/peh/infectious_diseases
- Deployment Support. (n.d.). Pre-deployment. Retrieved from http://www.pdhealth.mil/dcs/pre_deploy.asp
- DODi 6025.19. (2014). Retrieved from <http://www.dtic.mil/whs/directives/corres/pdf/602519p.pdf>



TAZMANIA REFERENCES

- Harold, C. (Ed.). (2009). Infections. *Professional guide to diseases* (9th ed). Philadelphia, PA: Lippincott Williams & Wilkins.
- Health Information for Travelers to Australia. (2013). Retrieved from <http://wwwnc.cdc.gov/travel/destinations/traveler/none/Australia>
- Mahoney, A. (2012). Cold weather injury risk analysis and management in a Tasmanian army reserve battalion. Retrieved from <http://jmvh.org/wp-content/uploads/2012/12/Mahoney-Article.pdf>
- Post-Deployment Health Assessment. (n.d.). Retrieved from http://www.pdhealth.mil/dcs/DD_form_2796.asp
- Private hospitals in Tasmania. (n.d.). Retrieved from http://www.dhhs.tas.gov.au/hospital/private_hospitals_in_tasmania
- Quinn, H. E. (2014). Pertussis control in Australia - current state of play. Retrieved from <http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-cdi3803a.htm>
- State of Tasmanian Warnings and Dangers. (n.d.). Retrieved from http://www.virtualtourist.com/travel/Australia_and_Oceania/Australia/State_of_Tasmania/Warnings_or_Dangers-State_of_Tasmania-TG-C-1.html
- Tanter, R. (2013). The US military presence in Australia: the “Asia-Pacific pivot” and “global NATO”. Retrieved from <http://www.globalresearch.ca/the-us-military-presence-in-australia-the-asia-pacific-pivot-and-global-nato/5357653>
- Tasmania at a glance 2011. (2011). Retrieved from [http://www.ausstats.abs.gov.au/ausstats/subscriber.nsf/0/06D395C5216E056ACA2578A300112ADB/\\$File/tas%20at%20a%20glance%202011.pdf](http://www.ausstats.abs.gov.au/ausstats/subscriber.nsf/0/06D395C5216E056ACA2578A300112ADB/$File/tas%20at%20a%20glance%202011.pdf)
- Tasmania top 10. (n.d.). Retrieved from http://www.tasmaniatopten.com/lists/tasmanian_mountains.php
- TB MED 508. (2005). Prevention and management of cold weather injuries. TB MED 508. Retrieved from http://armypubs.army.mil/med/dr_pubs/dr_a/pdf/tbmed508.pdf
- Tdap VIS. (2014). Tdap (tetanus, diphtheria, pertussis) VIS. Retrieved from <http://www.cdc.gov/vaccines/hcp/vis/vis-statements/tdap.html>
- Tuberculosis notifications in Australia. (2010). Retrieved from <http://www.health.gov.au/internet/main/publishing.nsf/Content/cda-cdi3801i.htm>
- World Health Organization: Western Pacific Region. (2011). Australia. Retrieved from <http://www.wpro.who.int/countries/aus/en/>



TONGA REFERENCES

- Central Intelligence Agency. (2014). The world factbook: Tonga. Retrieved from <https://www.cia.gov/library/publications/the-world-factbook/geos/tn.html>
- Department of Defense. (2010, February 5). Deployment-limiting medical conditions for service members and DoD civilian employees . *Department of Defense Instruction 6490.07*, 1-14. Retrieved from <http://www.dtic.mil/whs/directives/corres/pdf/649007p.pdf>
- Department of Defense. (2014, June 9). Individual medical readiness (IMR). *Department of Defense Instruction 6025.19*, 1-15. Retrieved from <http://www.dtic.mil/whs/directives/corres/pdf/602519p.pdf>
- Department of the Air Force. (2014, October 31). Medical examinations and standards. *Air Force Instruction 48-123*, 1-91. Retrieved from http://static.e-publishing.af.mil/production/1/af_sg/publication/afi48-123/afi48-123.pdf
- Department of the Air Force. (2014, October 6). Medical standards directory. *USAF Medical Standards Directory*, 1-71. Retrieved from [https://kx2.afms.mil/kj/kx4/FlightMedicine/Documents/Medical%20Standards%20Directory%20\(MSD\)/Approved%20MSD%206%20October%202014.pdf](https://kx2.afms.mil/kj/kx4/FlightMedicine/Documents/Medical%20Standards%20Directory%20(MSD)/Approved%20MSD%206%20October%202014.pdf)
- Deployment Health Clinical Center. (2014). Pre-Deployment. Retrieved from http://www.pdhealth.mil/dcs/pre_deploy.asp
- Hanson, K. (2005). Disease and non-battle injury surveillance: Outcome measure for force health protection. In D. E. Lounsbury, & R. F. Bellamy (Eds.), *Military Preventive Medicine: Mobilization and Deployment Volume 2*, pp. 705-722). Retrieved from https://ke.army.mil/bordeninstitute/published_volumes/mpmVol2/PM2ch31.pdf
- Headquarters, Department of the Army. (2012, July 6). Prevention of heat and cold casualties. *Training and Doctrine Command Regulation 350-29*, 1-21. Retrieved from <http://www.tradoc.army.mil/tpubs/regs/tr350-29.pdf>
- Headquarters, Department of the Army and Air Force. (2003, March 7). Heat stress control and heat casualty management. *Technical Bulletin Medical 507*, 1-72. Retrieved from http://armypubs.army.mil/med/DR_pubs/dr_a/pdf/tbmed507.pdf
- Headquarters, Departments of the Army, the Navy, the Air Force, and the Coast Guard. (2013, October 7). Immunizations and chemoprophylaxis for the prevention of infectious diseases. *Army Regulation 40-562, BUMEDINST 6230.15B, AFI 48-110_IP, CG COMDTINST M6230.4G*, 1-35. Retrieved from http://www.apd.army.mil/pdf/r40_562.pdf
- Kellerman, R. D. (2014). Preventive health. In *Conn's current therapy 2015* (2015 ed. (Traveler's Diarrhea). Retrieved from <https://www-clinicalkey-com.lrc1.usuhs.edu/#!/topic/Traveler's%2520diarrhea>
- Longo, D. L., Fauci, A. S., Kasper, D. L., Hauser, S. L., Jameson, J. L., & Loscalzo, J. (Eds.). (2012). *Harrison's principles of internal medicine* (18th ed.). Retrieved from <http://accessmedicine.mhmedical.com.lrc1.usuhs.edu/book.aspx?bookid=331>
- MD Travel Health. (2014). Tonga: Summary of recommendations. Retrieved , from <http://www.mdtravelhealth.com/destinations/oceania/tonga.php>
- Ministry of Civil Aviation. (n.d.). Tropical cyclone information. Retrieved from http://www.met.gov.to/index_files/tc_information_students.pdf
- National Center for Medical Intelligence. (2009). Environmental health risk assessment: Oceania. Retrieved from <https://www.intelink.gov/ncmi/afmicdocument.php?id=76844>



TONGA REFERENCES

- National Center for Medical Intelligence. (2013). Oceania: Force health protection (FHP) recommendation. Retrieved from <https://www.intelink.gov/ncmi/afmicdocument.php?id=104403>
- National Center for Medical Intelligence. (2014). Infectious disease risk assessment database. Retrieved from https://www.intelink.gov/ncmi/product/idra_db.php?co=V1
- National Center for Medical Intelligence. (2014). Tonga: Blood safety index. *Defense Intelligence*. Retrieved from https://www.intelink.gov/ncmi/product_resources/36481.pdf
- The Overseas Security Advisory Council. (2014). Travel alert: South Pacific tropical cyclone season. Retrieved from <https://www.osac.gov/pages/ContentReportDetails.aspx?cid=16442>
- Thurlow, R. (2014). The Wall Street Journal. Retrieved from <http://online.wsj.com/articles/SB10001424052702304347904579313490009044308>
- U.S. Army Public Health Command. (2012, February). Army guide to deployment health. *Health Threat Information and Countermeasures*, 1-16. Retrieved from http://usaphcapps.amedd.army.mil/HIOShoppingCart/Uploads/DownloadableProds/413_Army%20Staying%20Healthy%20Guide.pdf
- U.S. Navy. (2014). United states navy hospital. Retrieved from <http://www.med.navy.mil/sites/usnhguam/Pages/default.aspx>
- Waterman, B. R., Schoenfeld, A. J., Holland, C. A., Goodman, G. P., & Belmont, Jr., P. J. (2011). Burden of musculoskeletal disease and nonbattle nontraumatic injury in both war and disaster zones. *Surgical Orthopaedic Advances*, 20, 23-29. Retrieved from http://www.datatrace.com/e-chemtracts/emailurl.html?http://www.newslettersonline.com/user/user.fas/s=563/fp=20/tp=37/20-1-4.pdf?T=open_article,50048529&P=article
- World Health Organization. (2012). Kingdom of Tonga health service delivery profile. *Health Service Delivery Profile, Tonga*, 1-9. Retrieved from http://www.wpro.who.int/health_services/service_delivery_profile_tonga.pdf