

GRANADA 2025

MANUAL PARA VIAJAR AL TRÓPICO ¿Qué debo saber y hacer?

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UNIDAD 1

Antes de iniciar el viaje, es imprescindible prestar atención a varios aspectos.

1. Las recomendaciones del ministerio de asuntos exteriores de España.

- Recomendaciones específicas por país.

Ministerio de Asuntos Exteriores, Unión Europea y Cooperación (MAUC):

S www.exteriores.gob.es/es/ServiciosAlCiudadano/Paginas/Recomendaciones-de-viaje.aspx

- Registro de viajeros, para poder ser localizado y recibir información.

Ministerio de Asuntos Exteriores, Unión Europea y Cooperación (MAUC):

S registroviajeros.exteriores.gob.es/

- Teléfonos y direcciones de las embajadas y representaciones españolas en el país de destino.

Ministerio de Asuntos Exteriores, Unión Europea y Cooperación (MAUC):

S www.exteriores.gob.es/es/EmbajadasConsulados/Paginas/index.aspx

2. La consulta en los Centros de Vacunación Internacional del Servicio Nacional de Salud.

- S www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/centrosvacu.htm
- S www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/consejosViajero:.htm

3. Seguro de cobertura para los riesgos del viaje.

- CDC seguros de viaje para el trópico:

S wwwnc.cdc.gov/travel/page/insurance

UNIDAD 2

Accidentes de tráfico, robos y violencia física, los riesgos siempre presentes.

2. Recomendaciones para evitar accidentes, la violencia contra las personas y los robos.

Lectura Recomendada

- **Centers for Disease Control and Prevention (CDC):**

S wwwnc.cdc.gov/travel/page/road-safety

Bibliografía

- **UN.** Accidentes en África subsahariana:

S news.un.org/en/story/2017/10/569092-road-accidents-africa-among-deadliest-worldwide-un-official-says-urging-more

- Kourouma, K. et al. **Frequency, characteristics and hospital outcomes of road traffic accidents and their victims in Guinea: a three-year retrospective study from 2015 to 2017.** BMC Public Health 19, 1022 (2019).

S doi.org/10.1186/s12889-019-7341-9

S bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-019-7341-9#citeas

b) Violencia contra las personas: robos y agresiones.

Lectura Recomendada

- **CDC** (Centers for Disease Control and Prevention)

S wwwnc.cdc.gov/travel/yellowbook/2020/noninfectious-health-risks/injury-and-trauma

UNIDAD 3

Calor y aclimatación, su importancia en estos viajes.

Lecturas Recomendadas

- **CDC:** una visión global.

S www.cdc.gov/niosh/heat-stress/about/

- **CDC:** temperaturas extremas.

S www.cdc.gov/niosh/heat-stress/about/

Bibliografía.

- Lázaro Mayoral et al. **Manifestaciones clínicas, diagnóstico y tratamiento del golpe de calor.** Rev Cubana Med Gen Integr vol.38 no.2 Ciudad de La Habana abr.-jun. 2022 Epub 30-Mayo-2022
- Kanda J, et al. (2021). **Association between active cooling and lower mortality among patients with heat stroke and heat. exhaustion.** PLoS ONE 16(11): e0259441.
[S doi.org/10.1371/journal.pone.0259441](https://doi.org/10.1371/journal.pone.0259441)
[S journals.plos.org/plosone/article?id=10.1371/journal.pone.0259441](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0259441)

UNIDAD 4

Vacunas, quimioprofilaxis y tratamientos de infecciones con mortalidad precoz.

Introducción

- [S www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/centrosvacu.htm](http://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/centrosvacu.htm)
- [S www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/consejosViajero:.htm](http://www.sanidad.gob.es/profesionales/saludPublica/sanidadExterior/salud/consejosViajero:.htm)

1. Normas generales a tener en cuenta**Lectura recomendada**

- **CDC:** Zika y embarazo.
[S www.cdc.gov/zika/index.html](http://www.cdc.gov/zika/index.html)

Bibliografía

- Segura M, et al. **Trends in the travelers' demand for pre-travel medical advice at a Spanish International Vaccination Center between 2000 and 2017.** PLoS One. 2019 May 30;14(5): e0217588.
[S doi.org/10.1371/journal.pone.0217588](https://doi.org/10.1371/journal.pone.0217588)
[S journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0217588&type=printable](https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0217588&type=printable)
- McGuinness SL, et al. **Pre-travel vaccine information needs, attitudes, drivers of uptake and the role for decision aids in travel medicine.** J Travel Med. 2023 Jun 23;30(4):taad056.
[doi:10.1093/jtm/taad056.](https://doi.org/10.1093/jtm/taad056)
[S pubmed.ncbi.nlm.nih.gov/37074157/](https://pubmed.ncbi.nlm.nih.gov/37074157/)

2. Vacunas rutinarias en los países desarrollados y en las que se recomienda una dosis de recuerdo cuando se viaja a ciertas regiones/países.

Lectura recomendada

- **European Vaccination Portal:**

S vaccination-info.eu/en/vaccination/when-vaccinate

3. Vacunas obligatorias cuando se viaja a los países tropicales y subtropicales.

Lectura recomendada

- **WHO**, vacuna fiebre amarilla:

S www.who.int/news-room/fact-sheets/detail/yellow-fever

Bibliografía

- Tobaiqy M and als. **Assessment of Preventative Measures Practice among Umrah Pilgrims in Saudi Arabia**, 1440H-2019. Int J Environ Res Public Health. 2020 Dec 31;18(1):257.

doi:10.3390/ijerph18010257.

S pubmed.ncbi.nlm.nih.gov/33396376/

Lectura recomendada

- **CDC** vacuna poliomielitis:

S www.cdc.gov/vaccines/vpd/polio/public/index.html

4. Vacunas recomendadas.

Bibliografía

- Bender RG, et als. **Meningococcal A conjugate vaccine coverage in the meningitis belt of Africa from 2010 to 2021: a modelling study**. EClinicalMedicine. 2023 Jan 5;56:101797.

doi:10.1016/j.eclim.2022.101797.

S pubmed.ncbi.nlm.nih.gov/36880052/

Lectura recomendada

- **CDC** leptospirosis una visión actualizada:

S wwwnc.cdc.gov/travel/diseases/leptospirosis

- **CDC** tifus de los matorrales una visión actualizada:

S www.cdc.gov/typhus/scrub/index.html

- **CDC** geografía de la malaria:

S wwwnc.cdc.gov/travel/yellowbook/2024/infections-diseases/malaria

- **CDC** climatología y malaria:

S www.cdc.gov/malaria/data-research/index.html

UNIDAD 5

Mi botiquín, ¿qué puedo necesitar?.

Lectura Recomendada

- **WHO** listado medicamentos esenciales.

S www.who.int/publications/i/item/WHO-MHP-HPS-EML-2023.02

UNIDAD 6

Es agua potable, imprescindible para beber y para la higiene personal.

Introducción

- **CDC** como potabilizar el agua. Una visión de conjunto:

S www.cdc.gov/drinking-water/about/how-water-treatment-works.html

- **CDC** agua potable:

S www.cdc.gov/drinking-water/site.html#gen

- **WHO** una visión global:

S www.who.int/teams/environment-climate-change-and-health/water-sanitation-and-health/water-safety-and-quality

Lectura recomendada

- **CDC** agua potable.:

S wwwnc.cdc.gov/travel/yellowbook/2020/preparing-international-travelers/water-disinfection

- **CDC** lavado de manos:

S www.cdc.gov/global-water-sanitation-hygiene/media/pdfs/when-and-how-to-clean-hands-poster-esp-508.pdf

Bibliografía

- Hosking R, et als. (2022) **Acceptability measures of water, sanitation and hygiene interventions in low- and middle-income countries, a systematic review.** PLoS Negl Trop Dis 16(9): e0010702.

S doi.org/10.1371/journal.pntd.0010702

S journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0010702

UNIDAD 7

El agua no potable, transmisora de infecciones e intoxicaciones.

1. Mosquitos

Lectura Recomendada

- **CDC** mosquitos:

S www.cdc.gov/mosquitoes/

- **WHO** vectores y enfermedades:

S www.who.int/news-room/fact-sheets/detail/vector-borne-diseases

2. Helmintos

Lectura Recomendada

- **CDC** esquistosomiasis:

S www.cdc.gov/schistosomiasis/prevention/index.html

- **WHO** manual esquistosomiasis y otros helmintos transmitidos por el suelo. 2024.

S www.who.int/publications/i/item/9789240099364

Lectura Recomendada

- **CDC** Gusano de Guinea:

S www.cdc.gov/guinea-worm/about/

Lectura Recomendada

- **WHO** revisión:

S www.who.int/health-topics/foodborne-trematode-infections#tab=tab_1

Bibliografía

- Yunus FM, et al. **A Review of Groundwater Arsenic Contamination in Bangladesh: The Millennium Development Goal Era and Beyond.** Int J Environ Res Public Health. 2016 Feb 15;13(2):215. doi:10.3390/ijerph13020215.

S pubmed.ncbi.nlm.nih.gov/26891310/

- Syafrudin M, et al. **Pesticides in Drinking Water-A Review.** Int J Environ Res Public Health. 2021 Jan 8;18(2):468. doi:10.3390/ijerph18020468.

S www.ncbi.nlm.nih.gov/pmc/articles/PMC7826868/

- Kapeleka JA, et al. **Co-exposure risks of pesticides residues and bacterial contamination in fresh fruits and vegetables under smallholder horticultural production systems in Tanzania.** PLoS One. 2020 Jul 15;15(7):e0235345.

S doi.org/10.1371/journal.pone.0235345

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- Tampushi LL, et al. **Environmental distribution and risk of exposure of Heavy Metal Pollutants from Lolgorian Artisanal Gold Mining in Kenya.** Bull Environ Contam Toxicol. 2022 Aug; 109(2):310–316. doi: 10.1007/s00128-022-03575-7.
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Lectura Recomendada

- **CDC** tuberculosis Bovis:
S www.cdc.gov/tb/about/m-bovis.html
- **CDC** Yellow book, brucelosis:
S wwwnc.cdc.gov/travel/yellowbook/2024/infections-diseases/brucellosis

UNIDAD 8

Diarrea del viajero, ¿cómo debo actuar?.

- **CDC** diarrea de los viajeros:
S wwwnc.cdc.gov/travel/yellowbook/2024/preparing/travelers-diarrhea
- **WHO** diarreas::
S www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease

Lectura Recomendada

- **CDC** diarrea de los viajeros:
S wwwnc.cdc.gov/travel/page/travelers-diarrhea

Bibliografía

- Mark S. et al. **Guidelines for the prevention and treatment of travelers' diarrhea: a graded expert panel report.** Journal of Travel Medicine, 2017, Vol 24, Suppl 1, S63–S80. doi:10.1093/jtm/tax026.
S www.ncbi.nlm.nih.gov/pmc/articles/PMC5731448/pdf/tax026.pdf
- Carroll SC, et al. **Incidence and risk factors for travellers' diarrhoea among short-term international adult travellers from high-income countries: a systematic review with meta-analysis of cohort studies.** J Travel Med. 2025 Mar 11;32(2): taae008. doi: 10.1093/jtm/taae008
S pmc.ncbi.nlm.nih.gov/articles/PMC11896841/

Lectura Recomendada

- **CDC** alimentos asociados a infecciones productoras de toxinas.:
S www.cdc.gov/food-safety/

Lectura Recomendada

- **CDC** Cólera:
S wwwnc.cdc.gov/travel/page/cholera-travel-information

Bibliografía

- D'Mello-Guyett et al. (2020) **Prevention and control of cholera with household and community water, sanitation and hygiene (WASH) interventions: A scoping review of current international guidelines.** PLoS ONE 15(1): e0226549.

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S www.ncbi.nlm.nih.gov/pmc/articles/PMC6948749/

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UNIDAD 9

Tengo fiebre, ¿puede ser una infección grave?

Lectura Recomendada

- CDC preguntas frecuentes:

S wwwnc.cdc.gov/travel/page/traveler-information-center

- CDC recursos a tener en cuenta:

S wwwnc.cdc.gov/travel/page/health-care-during-travel

Bibliografía

- Prasad N, et al. (2015) **Etiology of Severe Febrile Illness in Low and Middle-Income Countries: A Systematic Review.** PLoS ONE 10(6): e0127962.

S doi.org/10.1371/journal.pone.0127962

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- Watcharapong Piyaphanee, et al. **Healthcare seeking during travel: an analysis by the GeoSentinel surveillance network of travel medicine providers** J Travel Med. 2023 May 18; 30(3): doi:10.1093/jtm/taad002.

S www.ncbi.nlm.nih.gov/pmc/articles/PMC10979637/

- Angelo KM, et al. **What proportion of international travellers acquire a travel-related illness? A review of the literature.** J Travel Med. 2017 Sep 1;24(5):10.1093/jtm/tax046. doi: 10.1093/jtm/tax046.

S pubmed.ncbi.nlm.nih.gov/28931136/

Lectura Recomendada

- WHO dengue:

S www.who.int/health-topics/dengue-and-severe-dengue#tab=tab_1

- CDC dengue su transmisión:

S www.cdc.gov/dengue/transmission/index.html

UNIDAD 10

Rabia, una enfermedad con el 100% de mortalidad.

2. Una visión global de la rabia a nivel mundial.

- **WHO** rabia:

S www.who.int/health-topics/rabies#tab=tab_1

Lectura Recomendada

- **WHO** revisión rabia:

S www.who.int/health-topics/rabies/#tab=tab_1

- **WHO** vacunación:

S cdn.who.int/media/docs/default-source/ntds/rabies/pp-rabies-presentation-2018.pdf?sfvrsn=615074a1_4&download=true

Bibliografía

- Vidal Haddad Junior. **Lesions caused by human and domestic and wild animal bites.**

Journal of the Brazilian Society of Tropical Medicine. Vol.:55 | (e0372-2022) | 2022.

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S www.scielo.br/j/rsbmt/a/pwXjH8XSSGKrjVKGCXj4THC/?lang=en

- Gautret P et al. (2015) **Rabies in Nonhuman Primates and Potential for Transmission to Humans: A Literature Review and Examination of Selected French National Data.** PLoS Negl Trop Dis 9(5): e0003799.

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S journals.plos.org/plosone/article?id=10.1371/journal.pone.0157332

- Beasley EA, and al. (2022) **Roles of traditional medicine and traditional healers for rabies prevention and potential impacts on post-exposure prophylaxis: A literature review.** PLoS Negl Trop Dis 16(1): e0010087.

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- Piyaphanee W, et al. (2012) **Risk of Potentially Rabid Animal Exposure among Foreign Travelers in Southeast Asia.** PLoS Negl Trop Dis 6(9): e1852.

S doi.org/10.1371/journal.pntd.0001852

S journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0001852

UNIDAD 11

Mordeduras por serpientes, un riesgo con el que hay que contar.

Lectura Recomendada

- **WHO** una visión de conjunto:

S www.who.int/health-topics/snakebite#tab=tab_1

Bibliografía

- Harrison RA and al (2009) **Snake Envenoming: A Disease of Poverty**. PLoS Negl Trop Dis 3(12): e569.

S doi.org/10.1371/journal.pntd.0000569

S journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0000569

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- Rahman R et al. (2010) **Annual Incidence of Snake Bite in Rural Bangladesh**. PLoS Negl Trop Dis 4(10): e860.

S doi.org/10.1371/journal.pntd.0000860

S journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0000860

UNIDAD 12

Antrópodos, ¿cómo evitar sus picaduras?

1. Una visión global.

Lectura Recomendada

- **WHO**: S www.who.int/news-room/fact-sheets/detail/vector-borne-diseases

- **European CDC**: S www.ecdc.europa.eu/en/disease-vectors/facts/mosquito-factsheets

- **European CDC**: S www.ecdc.europa.eu/en/disease-vectors/facts

2. Medidas recomendables para evitar las picaduras de mosquitos, garrapatas y chinches.

Bibliografía

- Mponzi WP, et als. **Observing the distribution of mosquito bites on humans to inform personal protection measures against malaria and dengue vectors.** PLoS One. 2022 Jul 25;17(7): e0271833.

S doi.org/10.1371/journal.pone.0271833

S journals.plos.org/plosone/article?id=10.1371/journal.pone.0271833

Lectura recomendada

- CDC prevención de picaduras:

S wwwnc.cdc.gov/travel/yellowbook/2024/environmental-hazards-risks/mosquitoes-ticks-and-other-arthropods

Bibliografía

- Bohbot JD, et al. **Insect repellents: modulators of mosquito odorant receptor activity.** PLoS One. 2010 Aug 11;5(8):e12138. <https://doi.org/10.1371/journal.pone.0012138>

S journals.plos.org/plosone/article?id=10.1371/journal.pone.0012138

- Tsitoura et als. **Inhibition of Anopheles gambiae odorant receptor function by mosquito repellents.** J Biol Chem. 2015 Mar 20;290(12):7961-72. doi: 10.1074/jbc.M114.632299.

S www.ncbi.nlm.nih.gov/pmc/articles/PMC4367294/

Bibliografía

- DeRaedt Banks et al. (2015) **Permethrin-Treated Clothing as Protection against the Dengue Vector, Aedes aegypti: Extent and Duration of Protection.** PLoS Negl Trop Dis 9(10): e0004109.

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- Corrêa APSA, et al. **Efficacy of insecticidas used in indoor residual spraying for malaria control: an experimental trial on various surfaces in a “test house”.** Malar J. 2019 Oct 10;18(1):345. Doi: 10.1186/s12936-019-2969-6.

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S www.ncbi.nlm.nih.gov/pmc/articles/PMC3671406/pdf/parasite-18-93.pdf

- Simonart T, and al. **Epidemiologic evolution of common cutaneous infestations and arthropod bites: A Google Trends analysis.** JAAD Int. 2021 Sep 2;5:69-75. doi: 10.1016/j.jdin.2021.08.003.

S pubmed.ncbi.nlm.nih.gov/34505090/

UNIDAD 13

Mosquitos, garrapatas, moscas de arena, pulgas y piojos. Transmisores de enfermedades presentes en todo el Trópico.

1. Mosquitos.

Lectura recomendada

- CDC mosquitos:

[S www.cdc.gov/mosquitoes/](http://www.cdc.gov/mosquitoes/)

Bibliografía

- Tandina Fans al. **Mosquitoes (Diptera: Culicidae) and mosquito-borne diseases in Mali, West Africa.** Parasit Vectors. 2018 Aug 13;11(1):467. doi: 10.1186/s13071-018-3045-8.

[S parasitesandvectors.biomedcentral.com/articles/10.1186/s13071-018-3045-8](http://parasitesandvectors.biomedcentral.com/articles/10.1186/s13071-018-3045-8)

- Ye, Y., et al. **Fever treatment in the absence of malaria transmission in an urban informal settlement in Nairobi, Kenya.** Malar J 8, 160 (2009).

[S doi.org/10.1186/1475-2875-8-160.](https://doi.org/10.1186/1475-2875-8-160)

[S malariajournal.biomedcentral.com/articles/10.1186/1475-2875-8-160#citeas](http://malariajournal.biomedcentral.com/articles/10.1186/1475-2875-8-160#citeas)

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2. Garrapatas.

Lectura recomendada

- WHO vectores, una visión global:

[S www.who.int/news-room/fact-sheets/detail/vector-borne-diseases](http://www.who.int/news-room/fact-sheets/detail/vector-borne-diseases)

Bibliografía

- Perveen N et als. **Ticks and Tick-Borne Diseases of Livestock in the Middle East and North Africa: A Review.** Insects. 2021 Jan 19;12(1):83. doi: 10.3390/insects12010083.

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- Abdelbaset AE, et als. **Human-biting ticks and zoonotic tick-borne pathogens in North Africa: diversity, distribution, and trans-Mediterranean public health challenges.** One Health. 2023 Apr 22;16:100547. doi: 10.1016/j.onehlt.2023.100547.

[S pubmed.ncbi.nlm.nih.gov/37363219/](https://pubmed.ncbi.nlm.nih.gov/37363219/)

▪ Gossner CM et als. **Arthropod-borne diseases among travellers arriving in Europe from Africa, 2015 to 2019**. Euro Surveill. 2023 Feb;28(7):2200270. doi: 10.2807/1560- 7917.ES.2023.28.7.2200270
 S pubmed.ncbi.nlm.nih.gov/36795503/

▪ Fuente J, et al. **Perception of Ticks and Tick-Borne Diseases Worldwide**. Pathogens. 2023 Oct 19;12(10):1258. doi: 10.3390/pathogens12101258.
 S pmc.ncbi.nlm.nih.gov/articles/PMC10610181/

3. Moscas de arena.

Lectura recomendada

▪ **WHO** una visión global de las leishmaniosis:
 S www.who.int/news-room/fact-sheets/detail/leishmaniasis

4. Pulgas.

Lectura recomendada

▪ **CDC** cómo protegerse de las pulgas:
 S www.cdc.gov/fleas/about/index.html

Bibliografía

▪ Leulmi H, et al. **Detection of Rickettsia felis, Rickettsia typhi, Bartonella Species and Yersinia pestis in Fleas (Siphonaptera) from Africa**. PLoS Negl Trop Dis. 2014 Oct 9;8(10):e3152.
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 S doi.org/10.1371/journal.pntd.0008251
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5. Pediculosis corporal.

Lectura recomendada

- CDC Una visión global del tifus epidémico:

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UNIDAD 14

Chinches, mosca tsé-tsé, moscas negras, tábanos y trombiculides, transmisores de infecciones con localizaciones geográficas específicas.

1. Enfermadades en Hispano-américa.

Bibliografía

- Minnick MF, et al. (2014) **Oroya Fever and Verruga Peruana: Bartonelloses Unique to South America.** PLOS Neglected Tropical Diseases 8(7): e2919.

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2. Enfermedades en África subsahariana.

Lectura recomendada

- **WHO** una visión global:

S [www.who.int/news-room/fact-sheets/detail/trypanosomiasis-human-african-\(sleeping-sickness\)](http://www.who.int/news-room/fact-sheets/detail/trypanosomiasis-human-african-(sleeping-sickness))

Bibliografía

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Lectura recomendada

- **CDC** una visión de conjunto.

S www.cdc.gov/filarial-worms/about/index.html

Lectura recomendada

- **CDC** una visión de conjunto.

S www.cdc.gov/filarial-worms/about/index.html

- **CDC** loiasis, revisión.

S www.cdc.gov/parasites/loiasis/

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3. Enfermedades en el sudeste asiático.

Lectura recomendada

- **CDC** una visión global:

S www.cdc.gov/typhus/about/index.html

Bibliografía

- Xu G, et al. (2017) **A review of the global epidemiology of scrub typhus.** PLoS Negl Trop Dis 11(11): e0006062. <https://doi.org/10.1371/journal.pntd.0006062>
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UNIDAD 15

Avispas, abejas, hormigas, escorpiones y arañas, ¿conoces las lesiones que causan?.

Justificación

Lectura recomendada

- **WHO** animal bites:
S www.who.int/news-room/fact-sheets/detail/animal-bites

1. Avispas, abejas y abejorros.

Lectura recomendada

- **CDC** cómo actuar ante las picaduras de avispa, abejas y abejorros.:
S www.cdc.gov/niosh/outdoor-workers/about/insects-and-scorpions.html

Bibliografía

- Xie C, et al. (2013) **Clinical Features of Severe Wasp Sting Patients with Dominantly Toxic Reaction: Analysis of 1091 Cases.** PLoS ONE 8(12): e83164.
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2. Hormigas

Lectura recomendada

- **CDC** una visión en conjunto:
[S www.cdc.gov/niosh/outdoor-workers/about/insects-and-scorpions.html](http://www.cdc.gov/niosh/outdoor-workers/about/insects-and-scorpions.html)

Bibliografía

- Haddad Junior V, et al. **Anaphylaxis caused by stings from the *Solenopsis invicta*, lava-pês ant or red imported fire ant.** An Bras Dermatol. 2015 May-Jun;90(3 Suppl1):22-5. doi: 10.1590/abd1806-4841.20153420.
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3. Escorpiones

Lectura recomendada

- **WHO** revisión:
[S www.who.int/news-room/fact-sheets/detail/animal-bites](http://www.who.int/news-room/fact-sheets/detail/animal-bites)

- **CDC** una visión en conjunto:
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4. Arañas.

Lectura recomendada

- CDC una visión global de las picaduras por arañas:

S www.cdc.gov/niosh/outdoor-workers/about/venomous-spiders.html

Bibliografía

- Fusto G, et al. **Spider bites of medical significance in the Mediterranean area: misdiagnosis, clinical features and management.** J Venom Anim Toxins Incl Trop Dis. 2020 Oct 2;26:e20190100. doi: 10.1590/1678-9199-JVATITD-2019-0100.

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6. Chinchas de cama.

Bibliografía

- Thomas B, et al. **Annual incidence of general practice consultations related, according to the general practitioner, to bed bugs and description of cases, 2019-2020, France.** PLoS One. 2024 Aug 27;19(8):e0308990.

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7. Sanguijuelas.

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- Phillips AJ, et als.. **Leeches in the extreme: Morphological, physiological, and behavioral adaptations to inhospitable habitats.** Int J Parasitol Parasites Wildl. 2020 Sep 19;12:318-325. doi: 10.1016/j.ijppaw.2020.09.003.

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UNIDAD 16

Miasis, tungiasis, sarna y pediculosis, los parásitos que anidan en la piel o en la ropa.

I. Ectoparásito que pueden adquirirse por cualquier tipo de turistas y expatriados.

1. Moscas y miasis.

Lectura recomendada

- CDC miasis revisión:

S www.cdc.gov/myiasis/about/

Bibliografía

- Calvopina M et al. **Human myiasis in Ecuador**. PLoS Negl Trop Dis. 2020 Feb 21;14(2):e0007858.

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2. Tungiasis.

Lectura recomendada

- CDC visión global de la tungiasis:

S www.cdc.gov/dpdx/tungiasis/index.html

Bibliografía

- Deka MA. **Mapping the Geographic Distribution of Tungiasis in Sub-Saharan Africa**. Trop Med Infect Dis. 2020 Jul 24;5(3):122. doi: 10.3390/tropicalmed5030122;

S pubmed.ncbi.nlm.nih.gov/32722011/

- Saboyá-Díaz MI, et al. **Current status of the knowledge on the epidemiology of tungiasis in the Americas**. Rev Panam Salud Publica. 2022 Aug 30;46:e124. doi: 10.26633/RPSP.2022.124.

S www.ncbi.nlm.nih.gov/pmc/articles/PMC9426953/

3. Pediculosis de cuero cabelludo y pubis.

Lectura recomendada

- CDC una visión de conjunto de las diversas pediculosis:

S www.cdc.gov/lice/

Bibliografía

- Fu YT, et al. **Human pediculosis, a global public health problem.** Infect Dis Poverty. 2022 May 26;11(1):58. doi: 10.1186/s40249-022-00986-w.

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4. Pediculosis corporal.

Lectura recomendada

- CDC una visión global del tifus:

S www.cdc.gov/typhus/about/index.html

Bibliografía

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5. Arador de la sarna (sarcoptes scabiei).

Lectura recomendada

- CDC, sarna, una visión de conjunto:

S www.cdc.gov/scabies/about/index.html

Bibliografía

- Amoako YA, et al. (2020) **A scabies outbreak in the North East Region of Ghana: The necessity for prompt intervention.** PLoS Negl Trop Dis 14(12): e0008902.

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UNIDAD 17

Perros, murciélagos, monos, gatos y ratas, ¿conoces las infecciones que transmite?

1. Perros.

Lectura recomendada

- **WHO** Quiste hidatídico revisión:

S www.who.int/health-topics/echinococcosis#tab=tab_1

Bibliografía

- Possenti A, et al. **(2016) Potential Risk Factors Associated with Human Cystic Echinococcosis: Systematic Review and Meta-analysis.** PLoS Negl Trop Dis 10(11): e0005114.

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Bibliografía

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- Reichert F, et al. **Epidemiology and morbidity of hookworm-related cutaneous larva migrans (HrCLM): Results of a cohort study over a period of six months in a resource-poor community in Manaus, Brazil.** PLoS Negl Trop Dis. 2018 Jul 19;12(7):e0006662.

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Lectura recomendada

- **WHO:** revisión:
S www.who.int/health-topics/dracunculiasis#tab=tab_1

Bibliografía

- Molyneux D, et al. (2017) **Guinea worm eradication: ¿Progress and challenges— should we beware of the dog?** PLoS Negl Trop Dis 11(4): e0005495.
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2. Murciélagos

- **WHO:** epidemias activas:
S www.who.int/emergencies/disease-outbreak-news

Lectura recomendada

- **WHO:** una visión global del Ébola:
S www.who.int/health-topics/ebola#tab=tab_1

Lecturas recomendadas

- **WHO** Marburg y ébola , revisión:
S www.who.int/news-room/fact-sheets/detail/marburg-virus-disease
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3. Ratas.

Lectura recomendada

- **CDC** revisión actualizada:

S www.cdc.gov/rat-bite-fever/hcp/clinical-overview/

Lectura recomendada

- **WHO** revisión:

S www.who.int/health-topics/lassa-fever#tab=tab_1

Bibliografía

- Douglas KO, et als. **Influence of Climatic Factors on Human Hantavirus Infections in Latin America and the Caribbean: A Systematic Review.** Pathogens. 2021 Dec 23;11(1):15.

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Lectura recomendada

- **CDC** revisión tifus murino:

S www.cdc.gov/typhus/about/murine.html?CDC_AAref_Val=https://www.cdc.gov/typhus/murine/index.html

Bibliografía

- Faccini-Martínez ÁA, et al. **Murine Typhus in Latin America: Perspectives of a Once Recognized but Now Neglected Vector-Borne Disease.** Am J Trop Med Hyg. 2022 Aug 15;107(4):740–6. doi:

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- Randremanana R, et al. **Epidemiological characteristics of an urban plague epidemic in Madagascar, August–November, 2017: an outbreak report.** Lancet Infect Dis. 2019

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Lectura recomendada

- **CDC** leptospirosis:

S www.cdc.gov/leptospirosis/about/

4. Gatos.

Lectura recomendada

- CDC revisión de las bartonelosis:

S www.cdc.gov/bartonella/about/index.html

Bibliografía

- Mazur-Melewska K et al. **Cat-scratch disease: a wide spectrum of clinical pictures.** Postepy Dermatol Alergol. 2015 Jun;32(3):216-20. doi: 10.5114/pdia.2014.44014.

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5. Monos.

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UNIDAD 18

Vacas, dromedarios, cabros, ovejas y cerdos, las infecciones que la ganadería contagian al hombre.

1. Vacas.

Lectura recomendada

- **WHO** Roadmap for zoonotic tuberculosis:
S www.who.int/publications/i/item/9789241513043

Bibliografía

- Ibrahim M, et al. **Sero-prevalence of brucellosis, Q-fever and Rift Valley fever in humans and livestock in Somali Region, Ethiopia.** PLoS Negl Trop Dis. 2021 Jan 25;15(1):e0008100. doi: 10.1371/journal.pntd.0008100.
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Lectura recomendada

- **WHO** Foodborne parasitic infections: Taeniasis and Cysticercosis
S www.who.int/publications/i/item/WHO-UCN-NTD-VVE-2021.6

2. Dromedarios.

Lectura recomendada

- **CDC.** MERS clinical overview:
S www.cdc.gov/mers/hcp/clinical-overview/
- **WHO.** MERS actualización:
S www.who.int/emergencies/situations/middle-east-respiratory-syndrome-outbreak

Bibliografía

- Hui DS, et als. **Human Coronavirus Infections—Severe Acute Respiratory Syndrome (SARS), Middle East Respiratory Syndrome (MERS), and SARS-CoV-2.** Encyclopedia of Respiratory Medicine. 2022:146–61. doi: 10.1016/B978-0-12-801238-3.11634-4. Epub 2021 Sep 17..
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UNIDAD 19

Las aves como transmisoras de enfermedades.

Lectura recomendada

- **WHO** una visión global:

S [www.who.int/news-room/fact-sheets/detail/influenza-\(avian-and-other-zoonotic\)](http://www.who.int/news-room/fact-sheets/detail/influenza-(avian-and-other-zoonotic))

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UNIDAD 20

Las comidas crudas típicas de los países tropicales y las helmintiasis que transmiten.

I. Alimentos de agua dulce que pueden transmitir la helmintiasis.

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Lectura recomendada

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UNIDAD 21

Las actividades en ríos, lagos y campos inundados, los riesgos que asocian.

Lectura recomendada

- CDC revisión:

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UNIDAD 22

Actividades en océanos, mares y estuarios, las intoxicaciones, lesiones e infecciones que debo afrontar.

I. Intoxicaciones.

Lectura recomendada

- CDC revisión:
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Bibliografía

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III. Infecciones por bacterias.

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Lectura recomendada

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UNIDAD 23

Las casas rurales y de los barrios degradados en el Trópico, las infecciones que puedes adquirir en ellas.

Lectura recomendada

- WHO guía de casas y salud asociada.:
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UNIDAD 24

Los movimientos migratorios por causas climáticas, guerras o catástrofes naturales y los retos que presentan.

Lectura recomendada

- **WHO** Quality of Care in Humanitarian Settings:
[S www.who.int/publications/m/item/quality-of-care-in-humanitarian-settings](https://www.who.int/publications/m/item/quality-of-care-in-humanitarian-settings)

- **WHO** Health emergencies:
[S www.who.int/our-work/health-emergencies](https://www.who.int/our-work/health-emergencies)

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MANUAL PARA VIAJAR AL TRÓPICO ¿Qué debo saber y hacer?

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