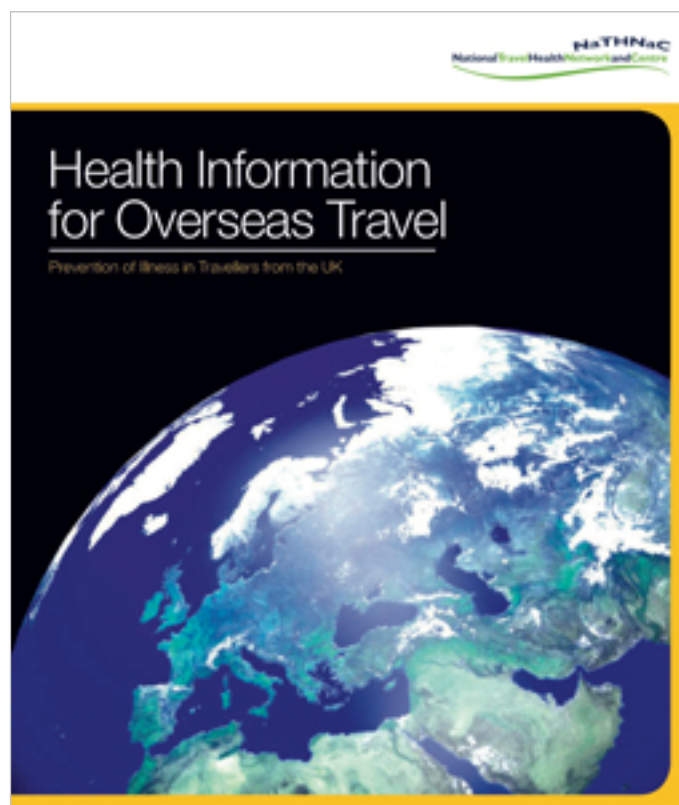


The National Travel Health Network and Centre (NaTHNaC)

Annual Report

2010 – 2011





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EXECUTIVE SUMMARY

Writing annual reports provides an excellent opportunity to gain perspective on the accomplishments of the previous year. It is a time to assess what has gone well, what can be improved, and how to move forward with clarity of purpose. NaTHNaC continues to go from strength to strength with the work of our excellent team based in London and Liverpool, the support of our partners, particularly the Travel and Migrant Health Section at the Health Protection Agency, our commissioner, the HPA, and our committed stakeholders in the United Kingdom and increasingly, throughout the world.

A quick review finds us delivering evidence-based, widely accessed information in many formats:

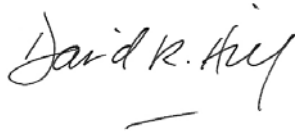
- The NaTHNaC national telephone advice line takes 9,000 to 10,000 calls a year from UK health professionals with queries about management of travellers with complex travel itineraries, and health interventions for those with chronic medical conditions.
- The NaTHNaC website (www.nathnac.org) has dynamic, evidence-based information. There is country-specific advice, a searchable database with a daily line listing of important global outbreaks of diseases, and clinical updates that describe health events that might affect UK travellers and give clear recommendations for mitigating those risks. The website received more than 800,000 visitors in the last year and had nearly 4 million page views.
- Our programme of registration, clinical standards, training and audit for the 3,500 Yellow Fever Vaccination Centres (YFVCs) in England, Wales and Northern Ireland, has become internationally recognised for improving standards around yellow fever (YF) vaccination. Our training module that is integral to this programme has been adapted by the US Centers for Disease Control and Prevention for online training of US YFVCs.
- June 2010 saw the publication of the definitive text resource for travel medicine practice: *Health Information for Overseas Travel, 2010*. It has been endorsed by each of the UK health departments, and provides the evidence and background to our website. Travel health professionals have welcomed this excellent resource.
- NaTHNaC has participated since September 2008 with a World Health Organization (WHO) informal working group defining the geographic risk of YF and vaccination recommendations for international travellers. This work has now been completed and has become the standard by which every country assesses YF risk for travel.

We will build on these successes with several important goals this year:

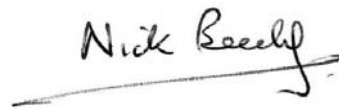
- Complete the update of the NaTHNaC website. This will provide enhanced access and navigation for health professionals and many new resources for travellers.
- Put into place the final piece of NaTHNaC's programme for YFVCs – an Assessment and Audit. This will allow us to assess the impact that our standards have made in the clinical practice of YF vaccination.
- Develop online technology for our YF training module. This will give YFVCs the option of face-to-face training or the potentially more convenient online training. Access to this technology will also enable NaTHNaC to expand into additional areas of training in travel health.
- Submit to peer-reviewed journals, studies on our YFVC programme and an audit of our national advice line.
- Pursue collaborative projects with the private sector that contribute to our core goal of *Protecting the Health of British Travellers*.

On a personal note, I am sorry to say that this is my last annual report for NaTHNaC. I will be leaving in the New Year for a position as Director of Global Public Health at Quinnipiac University in Connecticut, USA. Quinnipiac is establishing a new medical school that will matriculate its first class in Autumn 2013. I will help to integrate global public health themes into the curriculum, as well as introduce them to undergraduate students. My eight and a half years with NaTHNaC have been fantastic - both professionally as well as personally. I am grateful to the many people who have helped to make it so.

The ongoing support by the many practitioners of and stakeholders in travel medicine will enable NaTHNaC to continue to grow as a leader in travel medicine.



Professor David R Hill, Director



Dr Nicholas J Beeching, Chair, Steering Committee



The NaTHNaC team at the launch of the UK Yellow Book, June 2010.

PROGRESS TOWARDS MEETING NATHNAC OBJECTIVES

The following details our work and accomplishments during 2010 – 2011 toward meeting the core NaTHNaC objective of *Protecting the Health of British Travellers*.

Objective 1: To develop consistent and authoritative national guidance on general health matters for health professionals advising the public travelling abroad, and to disseminate this information widely.

- NaTHNaC provides national guidance through its website, its telephone advice line, the UK Yellow Book (*Health Information for Overseas Travel*), and its membership and advocacy on numerous national and international health bodies and societies.
- The Yellow Book was launched in June 2010 with an enthusiastic celebration in London. The Health Protection Agency (HPA) Chief Executive, Justin McCracken, addressed the attendees and emphasised the strong collaboration between NaTHNaC and the HPA, particularly during the influenza pandemic of H1N1 in 2009. The Yellow Book has been made available to all YFVCs directly from NaTHNaC and to all other GP practices in the UK through Sanofi Pasteur MSD. We are grateful to Sanofi Pasteur MSD for their support of this key resource.



HPA Chief Executive, Justin McCracken with NaTHNaC Director, David Hill

- Access to the NaTHNaC website continues to grow. The chart illustrates the heavy level of traffic the website receives, and the global reach of its influence. NaTHNaC is currently updating the look and navigation of the website for enhanced use by health professionals and new resources for international travellers.
- NaTHNaC continues with key membership positions on the following committees:

NaTHNaC Website Use: April 2010 – March 2011	
Visits to the website	820,947
Page views	3,981,835
Top 5 countries that accessed website	United Kingdom (85%)
	United States (5%)
	India (1%)
	Canada (1%)
	Australia (1%)
Total countries	217

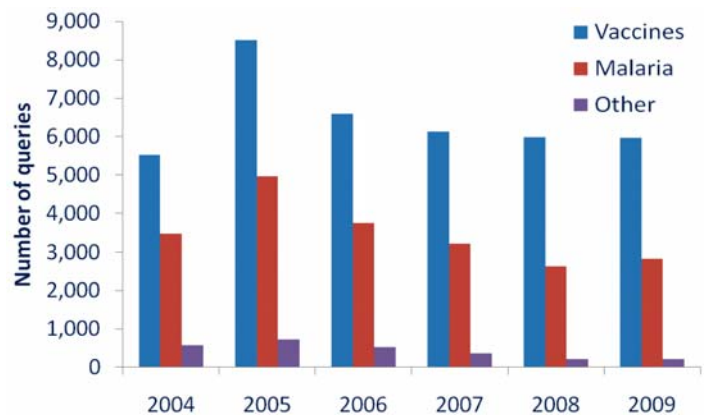
- Advisory Committee on Malaria Prevention (ACMP), Health Protection Agency
- Joint Committee for Vaccination and Immunisation (JCVI), Department of Health (observer status)
- London Area Malaria Group (with the goal of decreasing the burden of malaria in London travellers)
- Consular Stakeholder Panel, Foreign and Commonwealth Office
- British Travel Health Association
- Public Health Forum, Royal College of Nursing
- Faculty of Travel Medicine Board, Royal College of Physicians and Surgeons (Glasg)
- WHO Informal Working Group on Geographic Risk of Yellow Fever

NaTHNaC plays an integral role in advising these committees on travel-related health matters, providing documents to support their opinions, and helping to reach agreement on policy.

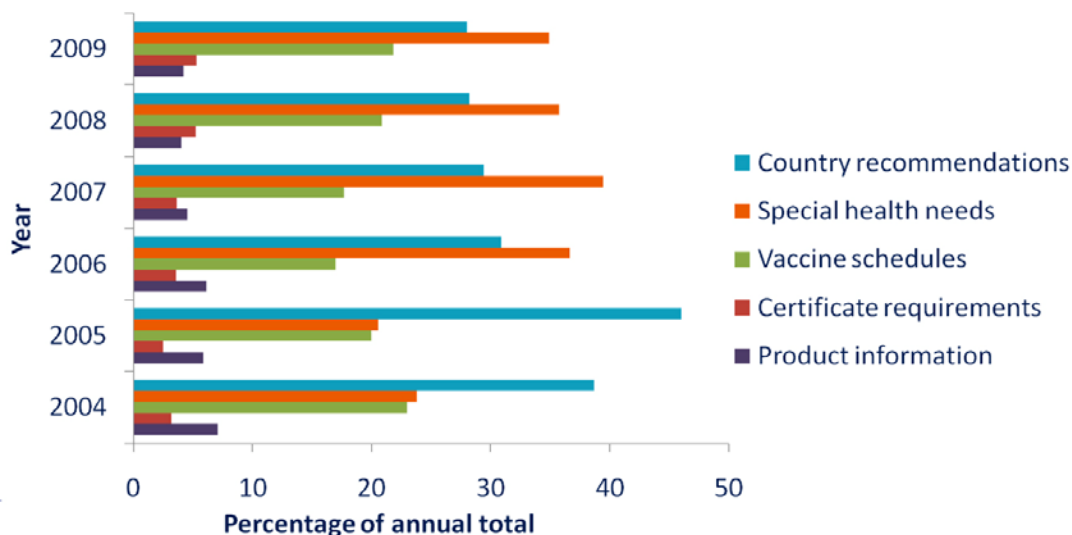
Objective 2: To provide guidance on specific situations relating to the health of travellers.

- The NaTHNaC national advice line links travel medicine providers to expert advice, in real time. Over the last several years, the NaTHNaC nursing staff has taken more than 75,000 calls that deal with every type of complex itinerary and/or medical condition. Each of these queries requires an answer individually tailored to the traveller's situation. In 2010 – 2011 we helped health care providers on 9,441 calls. We are currently analysing the nature of the calls to the advice line for the years 2004 – 2009. This encompasses more than 60,000 queries. The first chart illustrates the primary reasons for the query and the second, vaccine queries by topic. In recent years queries about vaccinating travellers with special health needs have predominated. There is no other national travel medicine body that has NaTHNaC's breadth of experience.

Type of queries to the NaTHNaC national telephone advice line



Type of queries about vaccination in travellers



- NaTHNaC reviews global health events that could affect the health of British travellers, entering them daily into the Outbreak Surveillance Database (OSD). Over the last year, there were 1,866 entries to this database. Those events that are unusual, have major implications for travellers or global health, or that have received strong media attention are further highlighted in Clinical Updates.
- NaTHNaC reviews and updates the guidance on its Country Information Pages on a regular basis. From April – June 2010 NaTHNaC hosted Dr Will Elson, a GP trainee seconded to NaTHNaC during Dr Vanessa Field's leave. Dr Elson was able to review and update the country information for cholera, dengue fever, hepatitis A, polio and tuberculosis. He was an engaging and valuable presence at NaTHNaC during his time with us.
- NaTHNaC has developed specific guidance for the following global health events or risks:
 - Health advice for Hajj and Umrah pilgrims
 - Travel to South Africa for the FIFA World Cup Football tournament
 - Yellow fever vaccination

- Measles and international travel
- Natural disasters occurring throughout the world. For these events, NaTHNaC alerts stakeholders, and then highlights the event on the specific County Information Page
- Recommendations for disaster relief personnel

Objective 3: To carry out surveillance of infectious and non-infectious hazards abroad, producing accessible regular outputs of such surveillance.

- The Travel and Migrant Health Section (TMHS) of the HPA collates and analyses surveillance data on a wide range of travel-associated infections, and administers a programme of enhanced surveillance of enteric fevers in England, Wales and Northern Ireland. It is a key collaborating partner with NaTHNaC providing it with day to day epidemiological support and contributing to the evidence base for travel advice. Further information about this surveillance work and the resulting epidemiological data can be accessed at <http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/TravelHealth/>
- Surveillance of outbreaks or incidents of infectious and non-infectious hazards abroad is conducted on a daily basis by the NaTHNaC team, specifically the Senior Information Analyst Daiga Jermacane, with input and support from TMHS. The data that is generated from this activity is included in the OSD and disseminated to stakeholders, as well as being used to contribute to a weekly HPA Infections Update.

Objective 4: To administer the Yellow Fever Vaccination Centres (YFVCs).

The NaTHNaC programme of registration, training, standards and audit for YFVCs has become a global model for setting standards around YF vaccination.

NaTHNaC Programme for YFVCs	
Civilian centres (as of 31 March 2011)	3,372
England	3,201
Wales	117
Northern Ireland	54
Number of delegates trained (April 10 – March 11)	2,274
Number of training sessions (April 10 – March 11)	84

- All YFVCs are required to send a representative of their centre to attend YF training. Centres newly applying for designation status as a YFVC attend a full-day session, and those who are renewing their status attend a half-day, update session every two years. These training days are well received by attendees, with excellent evaluations. The core training module has been adapted by the US Centers for Disease Control and Prevention (CDC) for online training of US YFVCs (http://www.cdc.gov/travel-training/?s_cid=travelsite). A major goal for 2011 – 2012 is to use this technology to provide online training for UK YFVCs.
- For the last two and a half years, NaTHNaC has participated with the WHO Informal Working Group on the Geographic Risk of Yellow Fever. This work has now been completed with important changes to risk areas and recommendations for YF vaccination. NaTHNaC has revised its training for YFVCs to include the new information, as well as published them on the website. See maps, page 8.
- Sanofi Pasteur MSD remains an important partner in the YF programme by including an International Certificate of Vaccination or Prophylaxis with each dose of vaccine distributed, and limiting their sales of YF vaccine only to NaTHNaC-registered YFVCs. They have supported NaTHNaC in production of a YF patient information leaflet which has been very popular with the centres, and by distributing copies of *Health Information for Overseas Travel* to non-YFVC GP Practices throughout the UK.
- We remain indebted to our core of YFVC trainers, who help us to deliver our training to the hundreds of delegates throughout England, Wales and Northern Ireland (see panel above).

Objective 5: To engage the major stakeholders concerned with travel health especially the travel industry, insurance industry and government bodies, to assist in sentinel surveillance and to engage in constructive dialogue towards a unified approach.

- NaTHNaC has engaged stakeholders through its biannual Advisory Group meetings. The Advisory Group has played a key role through NaTHNaC's first years: in helping to critique initiatives, to formulate direction, and to give support and guidance. NaTHNaC is now well-established as a UK travel health body, and increasingly as a leader in the global arena of travel medicine. As NaTHNaC has grown, its needs have changed and it is the appropriate time to review the role of the Advisory Group. When the new Director takes up their post, the Advisory Group will be re-convened to consider how it can best interact with NaTHNaC in the coming years. This is expected to take place in the Spring of 2012.
- NaTHNaC continues to work with several national and international bodies to define health risk for travellers.
 - NaTHNaC helps the Foreign and Commonwealth Office to develop health advice for UK travellers.
 - NaTHNaC is a partner with the European Centres for Prevention and Disease Control-funded initiative for travel health in Europe: EuroTravNet.
 - Actively participating on the WHO Informal Working Group for the Geographic Risk of Yellow Fever. The first phase of this work has now been completed with the results incorporated into the WHO book *International Travel and Health 2011*, and the CDC publication *Health Information for International Travel*. A complete summary of the process has been published in the journal *Lancet Infectious Diseases*: Jentes E, et al. *Lancet Infect Dis* 11:622, 2011.

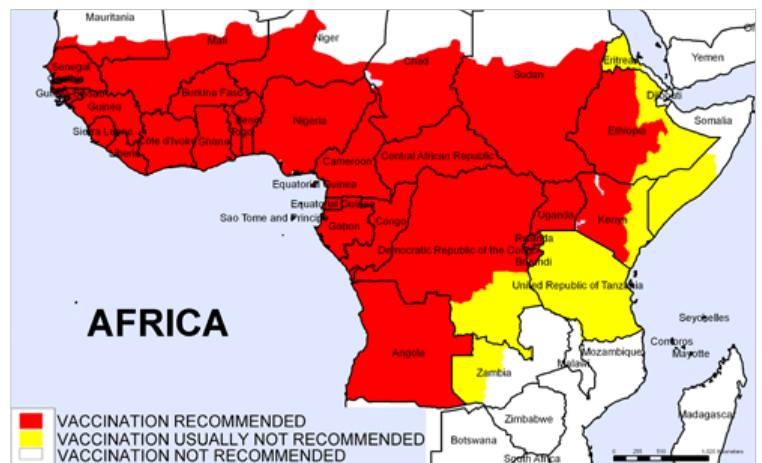
Objective 6: To facilitate, in collaboration with other training providers, the training of health care and other personnel in the provision of best quality travel health advice, based on such evidence as is available.

- The US CDC has adapted the NaTHNaC YF training for use as an online training module for US YFVCs. NaTHNaC is co-branded with CDC on the module. NaTHNaC will utilise the technology developed by CDC to introduce online training for YFVCs in England, Wales and Northern Ireland. This will introduce greater flexibility for our YFVCs, allowing more persons to train at their convenience, as well as increasing the number from each YFVC who can be trained. Once this module is completed there will be the opportunity to introduce modules on other topics in travel medicine.
- NaTHNaC provides leadership in travel medicine training through sitting on the scientific committees of the 3rd Northern European Conference on Travel Medicine (NECTM), held in Hamburg in May 2010, and the 4th NECTM to be held in Dublin in June 2012. NaTHNaC staff are also members of the International Society of Travel Medicine (ISTM) Education Committee.
- Courses directed by NaTHNaC staff:
 - Prof David Hill co-directed with Dr Ron Behrens of the Hospital for Tropical Diseases, the annual short course in Travel Medicine at the London School of Hygiene and Tropical Medicine. This course is one of the premier travel medicine educational events within Europe and attracts attendees from the UK, Europe, North America and Asia.
 - Dr Lisa Ford, based in Liverpool, directs the Travel and Expedition Medicine course at the Liverpool School of Tropical Medicine each February.
- NaTHNaC staff have participated in study days, delivered plenary lectures at international conferences, and submitted and presented oral and poster presentations at scientific meetings. Please see the Outputs section (p. 12) for details.

Objective 7: To define short-term and long-term research priorities in relation to travel medicine.

- Numerous articles, chapters and reviews have been published in textbooks, peer-reviewed journals and information sources. In addition, several papers have been presented at international meetings (see Outputs section, p. 12).
- Current studies:
 - A follow-up analysis of the practice of YFVCs in England, Wales and Northern Ireland and whether the NaTHNaC programme has had an impact, was carried out in summer 2009. The results will be presented at the Conference of the International Society of Travel Medicine in Boston, May 2011, and have been accepted for publication in the *Journal of Travel Medicine* and in the journal *Quality in Primary Care*.
 - An analysis of the NaTHNaC website traffic and use during the early stages of pandemic influenza was published in *Emerging Infectious Diseases*: Boddington N, et al. *Emerg Infect Dis.* 2011 Jan. DOI: 10.3201/eid1701.100486.
 - Information on calls to the NaTHNaC advice line from January 2004 to December 2009 (more than 60,000 queries) has been analysed, will be presented at the Boston ISTM meeting and is being prepared for publication. This information will help to inform our advice on the website and to develop training initiatives in travel medicine.
 - Continued collaboration with WHO, CDC and other global experts on geographic mapping of YF risk.

WHO Yellow fever vaccination maps
(Courtesy World Health Organization)



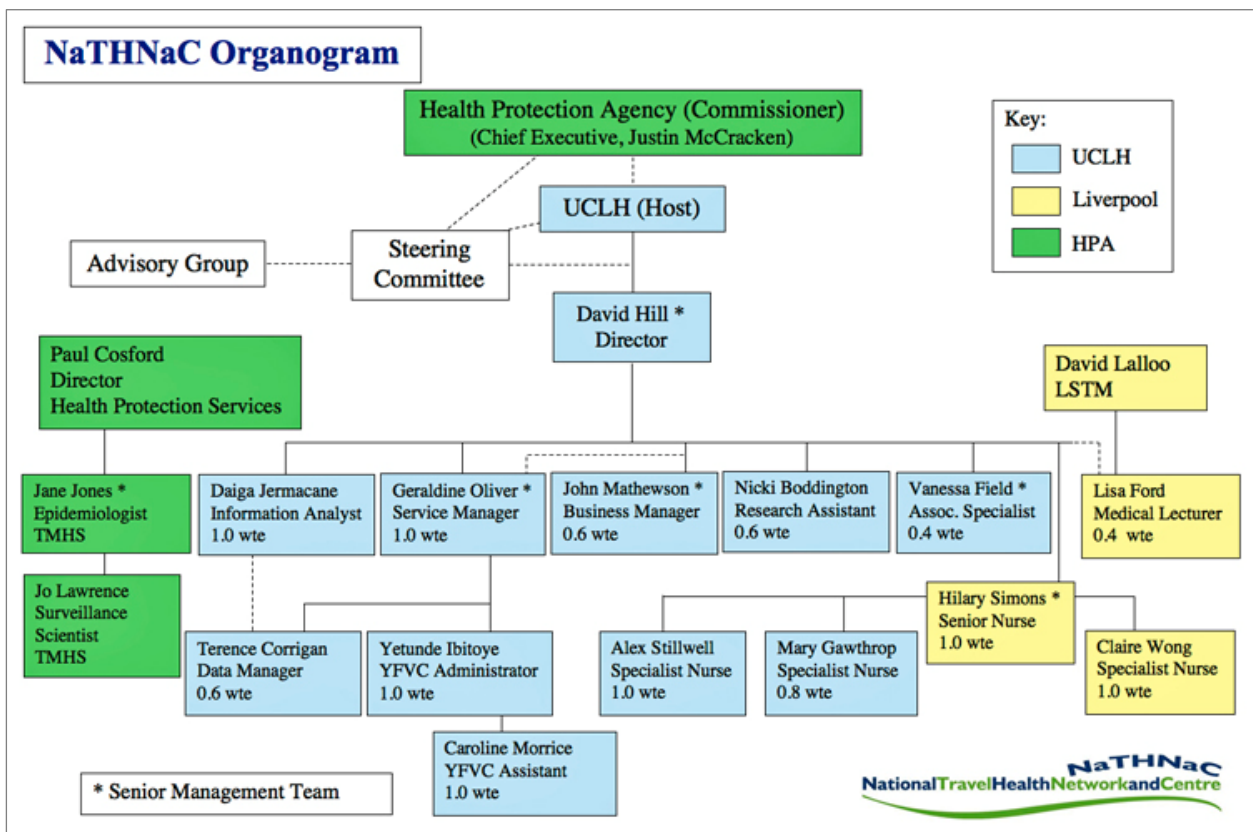
PERSONNEL

NATHNaC Personnel: 2010 – 2011

Prof David R Hill	Director
Dr Vanessa Field	Physician, Associate Specialist in Travel Medicine, London
Dr Lisa Ford	Physician, Travel Health Adviser, Liverpool
Hilary Simons	Senior Nurse, Liverpool
Claire Wong	Specialist Nurse Adviser, Liverpool
Alexandra Stillwell	Specialist Nurse Adviser, London
Mary Gawthrop	Specialist Nurse Adviser, London
Dr Will Elson	GP Trainee seconded to NaTHNaC, April – June 2010
Daiga Jermacane	Senior Information Analyst, London
Nicola Boddington	Research Assistant, London
Yetunde Ibitoye	YFVC Administrator, London
Caroline Morrice	YFVC Administrative Assistant, London
Terence Corrigan	Data Manager, London
Geraldine Oliver	NaTHNaC Service Manager, London
John Mathewson	Business Manager, London

Collaborators: TMHS Personnel

Dr Jane Jones	Consultant epidemiologist
Joanne Lawrence	Head, Travel and Migrant Health Section (TMHS), HPA Travel Health Surveillance Scientist, TMHS, HPA



Steering Committee

The NaTHNaC Steering Committee has representation from each of the NaTHNaC partners plus the HPA and UCLH NHS Foundation Trust and the Department of Health. NaTHNaC is grateful to the commitment, insight and contributions that each of the members makes.

Steering Committee Members:

Dr Nick Beeching	Liverpool School of Tropical Medicine (Chair)
Dr Ron Behrens	Hospital for Tropical Diseases
Dr Graham Bickler	Health Protection Agency
Dr Michael Brown	London School of Hygiene and Tropical Medicine
Prof David R Hill	NaTHNaC
Dr Jane Jones	Centre for Infections, Health Protection Agency
Prof David Laloo	Liverpool School of Tropical Medicine
Dr Ailsa Wight (ex officio)	Department of Health
Sarah Wisniewski	University College London Hospitals NHS Foundation Trust

THE NATHNAC ADVISORY GROUP

The Advisory Group was convened with the broad aim of ensuring that NaTHNaC addresses all appropriate areas of travel health. It has representation from the major stakeholders within travel medicine.

Advisory Group: 2010 – 2011 (date of term completion)

Chair: Prof Sue Atkinson	UCLH NHS Foundation Trust, London
Dr Will Cave (5/12)	General Practice
Dr Jon Cossar (5/10)	Faculty of Travel Medicine
Wing Cmdr Bruce Court (5/12)	Defence Medical Services
Denise Durnien (5/10)	Department of Health, Social Services and Public Health, N Ireland
Sandra Grieve (5/11)	Royal College of Nursing
Maura Hughes (5/11)	UK Vaccine Industry Group, London
Dr Michael Ingram (5/11)	General Practice, Radlett
Deborah Jamieson (5/11)	Health Education, UCLH NHS Foundation Trust
Dr Jane Jones (5/10)	Travel and Migrant Health Section, HPA
Nicola Meredith (5/11)	Welsh Assembly, Cardiff
Dr George Kassianos (5/12)	Royal College of General Practitioners
Susan Lamb (5/10)	Association of British Travel Agents
Joanne Lyons (5/12)	Purchasing Director, About Health
Jeanett Martin (5/10)	Royal College of Nursing
Dr John Magee (5/10)	Regional Microbiologist, HPA Newcastle
Raminder Sihota (5/10)	Pharmacist, Boots
Dr Kitty Smith (5/11)	Travel Health Section, Health Protection Scotland, Glasgow
David Stock (5/12)	Travel Advice Section, Foreign and Commonwealth Office
Dr Maggie Tomlinson (5/12)	Department of Health
Dr Geoff Tothill (5/10)	Travel insurance industry, First Assist
Rochelle Turner (5/12)	Consumer interests, Holiday Which?

YELLOW FEVER VACCINATION CENTRE ASSOCIATE TRAINERS

This group of travel health specialists has greatly aided NaTHNaC in training individuals from the 3,500 registered YFVCs in England, Wales and Northern Ireland.

Shirley Bannatyne	Specialist nurse in travel medicine, MASTA
Lynda Bramham	Specialist nurse in travel medicine, MASTA
Carolyn Driver	Specialist nurse in travel medicine, Cheshire
Norma Evans	Specialist nurse in travel medicine, Warrington
Sandra Grieve	Specialist nurse in travel medicine, Warwickshire
Alison Jenkins	Specialist nurse in travel medicine, Kent
Sarah Lang	Specialist nurse in travel medicine, Hertfordshire Immunisation Advisor, Thames Valley
Joanna Lowry	Specialist nurse in travel medicine, Winchester
Kath Lynch	Specialist nurse in travel medicine, London
Cate Riley	Specialist nurse in travel medicine, Manchester
Dr Steve Riley	General practitioner, Manchester
Dr Barry Walsh	Consultant in Communicable Disease Control, London



Vanessa Field, lead editor for the 'Yellow Book'

OUTPUTS FOR 2010 – 2011

Key:	AS – Alexandra Stillwell	ASTMH – American Society of Tropical Medicine & Hygiene
	CW – Claire Wong	ICAAC – Interscience Conference on Antimicrobial Agents and Chemotherapy
	DRH – David R Hill	LSH&TM – London School of Hygiene and Tropical Medicine
	HS – Hilary Simons	LSTM – Liverpool School of Tropical Medicine
	YI – Yetunde Ibitoye	NECTM – Northern European Conference on Travel Medicine
	TC – Terence Corrigan	UConn – University of Connecticut
	LF – Lisa Ford	
	MG – Mary Gawthrop	
	NB – Nicola Boddington	
	VF – Vanessa Field	

A. Honours and Distinctions	
Master of Public Health with Distinction, Imperial College London, September 2010	NB
B. Professional Activities	
London School of Hygiene and Tropical Medicine – Honorary Professor	DRH
London School of Hygiene and Tropical Medicine – Co-Director, Short Course on Travel Medicine. 12 – 16 April 2010.	DRH
International Society of Travel Medicine Member, Editorial Board, <i>Journal of Travel Medicine</i> Member Professional Education Committee Member, Continuous Professional Development (CPD) Committee	DRH DRH VF HS
American Society of Tropical Medicine and Hygiene Councillor (2010-2013) Member, Education Committee	DRH
3 rd Northern European Conference on Travel Medicine. Hamburg, May 2010. Member Scientific Committee Member Organising Committee	CW DRH
4 th Northern European Conference on Travel Medicine. Dublin, June 2012. Member Scientific Committee Member Organising Committee	CW DRH
Department of Health, Joint Committee on Vaccination and Immunisation – Observer	DRH
HPA Advisory Committee on Malaria Prevention – Member	DRH
Royal College of Physicians and Surgeons (Glasgow) Faculty of Travel Medicine Executive Board co-opted member Examination, Standards Setting Special Interest Group, Expedition and Wilderness Medicine Diploma of Travel Medicine, Examiner	HS LF LF VF
GeoSentinel Site Director (InterHealth)	VF
EuroTravNet Steering Committee Member and Core Site Director	VF
World Health Organization: International Health Regulation, Roster of Experts – Travel Medicine	DRH VF

<i>Travel Medicine and Infectious Disease: Editorial Board</i>	VF
Editorial Review: International Travel and Health 2011, World Health Organization	DRH
C. Publications	
BOOKS	
Field V, Ford L, Hill DR. Health Information for Overseas Travel. Prevention of Illness in Travellers from the UK. National Travel Health Network and Centre, London, 2010.	VF LF DRH HS MG AS CW TC
BOOK CHAPTERS	
Hill DR. Pretravel Advice and Immunization. In: Cohen J, Powderly WG, Opal SM, eds. <i>Infectious Diseases</i> . 3 rd ed. Elsevier, London. 1065-79, 2010.	DRH
Hill DR, Nash TE. Intestinal Flagellate and Ciliate Infections. In: Guerrant RL, Walker DH, Weller PF, eds. <i>Tropical Infectious Diseases. Principles, Pathogens & Practice</i> . 3 rd ed. Elsevier, Philadelphia. 623-32, 2011.	DRH
JOURNAL PUBLICATIONS	
Beeching NJ, Fletcher TE, Hill DR , Thomson GL. Travellers and viral haemorrhagic fevers – what are the risks? <i>Int J Antimicrob Agents</i> . 36:S26-35, 2010.	DRH
Boddington N , Bryant N, Hill DR . Role of National Travel Health Network and Centre website during pandemic (H1N1) 2009 [letter]. <i>Emerg Infect Dis</i> . [serial on the Internet]. 2011 Jan. DOI: 10.3201/eid1701.100486 Available at: http://www.cdc.gov/EID/content/17/1/149.htm	NB DRH
Field VF , Gautret P, Schlagenhauf P, et al. Travel and migration associated infectious diseases morbidity in Europe, 2008. <i>BMC Infectious Diseases</i> 10:330, 2010.	VF
Gawthrop M. Is this patient fit to travel? <i>Practice Nurse</i> 39:35-9, 2010.	MG
Gawthrop M, Ford L. Vaccination and risk assessment for children travelling abroad. <i>Prescriber</i> 21:28-36, 2010.	MG LF
Gawthrop M. Psychological aspects of travel. <i>Practice Nurse</i> 40:30-4, 2010.	MG
Hill DR , Beeching NB. Travelers' diarrhea. <i>Cur Opin Infect Dis</i> . 23:481-7, 2010.	DRH
Jordan A. Scenarios from the NaTHNaC telephone advice line. <i>Brit Travel Health Assoc J</i> . 15:34-36, 2010.	AS
Simons H, Hill DR. Travel vaccinations. <i>Vaccines in Practice</i> . 4:10-11, 2011.	HS DRH
OTHER PUBLICATIONS	
Chen L, Hill D. Vaccination for Travel. PIER [®] Decision Module. American College of Physicians, Philadelphia, PA. Online resource. 2008. Update 2010.	DRH
D. Abstracts and Presentations	
Boddington N, Simons H , Bryant N, Hill DR . Evaluation of travel medicine practice by Yellow Fever Vaccination Centres in England, Wales and Northern Ireland. Presented at the 3 rd Northern European Conference on Travel Medicine. Hamburg, 26-28 May 2010.	NB HS DRH
Noble L, Behrens R, Jordan A. Non-adherence to malaria chemoprophylaxis: can it be predicted from communication in the pre-travel consultation? Presented at the 3 rd Northern European Conference on Travel Medicine. Hamburg, 26-28 May 2010.	AS

D. Lectures	
Enteric Infection Including Travellers' Diarrhoea; Immunisation – Routine Vaccination; Immunisation – Vaccination for travel; Malaria Prophylaxis – Q & A; Problem Workshop on Travel Health. Short Course in Travel Medicine. LSH&TM. London, 12 - 16 April 2010.	DRH
Malaria Workshop for Islington Practice Nurses. London, 14 April 2010.	MG
Travel Vaccines – Bang up to date. 7 th Welsh Immunisation Conference. Wrexham, 21 April 2010	CW
Travel Vaccines workshop, 7 th Welsh Immunisation Conference, Wrexham, 21 April 2010	HS CW
Yellow fever risk mapping. EuroTravNet Annual Meeting. Hamburg, 26 May 2010.	DRH
Defining geographic risk of yellow fever. 3 rd Northern European Conference on Travel Medicine. Hamburg, 26-29 May 2010.	DRH
ABC vaccine workshop – Questions you wanted to ask but didn't feel you could. 3 rd Northern European Conference on Travel Medicine, Hamburg, 26-29 May 2010.	CW
Travel Health Study Day. Risk Assessment. South West London Health Protection Unit. Tooting, 6 June 2010.	HS
Travel Health Study Day. Managing the difficult traveller. South West London Health Protection Unit. Tooting, 6 June 2010.	HS AS
Update in travel vaccines. 2010: New developments in travel medicine, Royal Society of Tropical Medicine and Hygiene. London, 30 June 2010.	DRH
Hill DR, Kain K. Interactive Cases in Tropical Medicine. 50 th Annual ICAAC. Boston, 12-15 September 2010.	DRH
Travel and the spread of infectious diseases. Royal College of Nursing, Annual Conference. London, 18 September 2010.	DRH
Travel health risk assessment. Halton & St. Helen's PCT learning event. Haydock Park, 30 September 2010.	CW
Assessing yellow fever risk – achieving a balance. Evidence-Based Travel Medicine; Faculty of Travel Medicine (RCPSGlasg). Glasgow, 5 October 2010.	DRH
Travel Vaccines: an update Practice Nurse Training and Development. Wiseguy Training (Hampshire and Isle of Wight Primary Care). Cosham, Hampshire, 14 October 2010	HS
Travel Vaccines. Llanberris Surgery (Gwynedd Health Board), 19 October 2010.	HS
Diagnosis and treatment of diarrhea in travelers. Case Management of the Complicated Tropical Medicine Patient, ASTM&H. Atlanta, 2-3 November 2010.	
Preparing the immunocompromised, the asplenic, and the pregnant traveller. Annual Conference of the British Travel Health Association. 30 November 2010.	HS
Parasitology Lectures. Infectious Diseases, UConn School of Medicine. Farmington, CT USA, December 2010.	DRH
Global Health: What's it all about? Medical Grand Rounds. UConn Health Center. Farmington, CT USA, 9 December 2010.	DRH
Travel Medicine. MSc Clinical Microbiology, Public Health module. Barts and The London School of Medicine and Dentistry. London, 27 January 2011.	CW
Travel Vaccines: Travel health update for experienced practitioners. Clinical Training and Development. Wiseguy Training (Hampshire and Isle of Wight Primary Care). Cosham, Hampshire, 3 February 2011	HS

Travel Vaccines and the Diseases they Prevent, Travel Health and Expedition Medicine Course, LSTM, 15 February 2011.	HS CW
Travel health scenarios workshop. Travel Health and Expedition Medicine Course. LSTM. 16 February 2011.	CW
Enteric infection and travellers' diarrhoea. Travel and Expedition Medicine Course. LSTM. Liverpool. 21 February 2011.	DRH
The Travel Consultation – Risk Assessment & Resources. Travel Medicine – Delivering a Quality Service, Royal Pharmaceutical Society. London, 10 March 2011.	CW
Vaccines for travellers. Diploma in Travel Health Medicine. Royal College of Physicians and Surgeons, Glasgow. 24 March 2011.	DRH
F. Education and Training	
London School of Hygiene and Tropical Medicine Co-Director, Short Course on Travel Medicine: LSH&TM 12 – 16 April 2010 Lecturer and tutor in MSc in Tropical Medicine and Infectious Diseases Lecturer in Diploma in Tropical Medicine and Hygiene course	DRH
Yellow Fever Vaccination Centre Training, April 2010 – March 2011.	CW AS HS MG
UConn School of Medicine. Guest lecturer in parasitology and tropical medicine. Farmington CT, USA, December, 2010.	DRH
Yellow Fever Vaccination Centre Training Seminars (Associate Trainer Update). March 2011.	HS MG CW AS YI DRH
LSTM Course organiser and lecturer, Travel and Expedition Medicine course: 14 – 18 February 2011	LF
G. New Initiatives	
Online Assessment and Audit for YFVCs	JM HS NB AS DRH
Revision of NaTHNaC website	JM DRH CW DJ MG TC GO YI

NaTHNaC Business Plan: 2011 – 2012

Key:

NJB – Nicholas Beeching	YI – Yetunde Ibitoye	CW – Claire Wong
GB – Graham Bickler	DJ – Daiga Jermacane	
NB – Nicola Boddington	JJ – Jane Jones	COM - Communis
PLC – Peter Chiodini	JL – Joanne Lawrence	MRL – Malaria Reference Laboratory
TC – Terence Corrigan	JM – John Mathewson	TSO – The Stationery Office
CD – Carolyn Driver	GO – Geraldine Oliver	HPS – Health Protection Scotland
KD – Kevin Dyer	HS – Hilary Simons	
VF – Vanessa Field	AS – Alexandra Stillwell	
LF – Lisa Ford	RT – Rose Tucker	
DRH – David Hill	MW – Melanie Watts	

<u>NaTHNaC OBJECTIVES</u>	<u>KEY TASKS</u>	<u>TARGET for completion</u>	<u>LEAD</u>	<u>COSTS</u>
<u>NaTHNaC Staff and Centre</u>				
New Director of NaTHNaC	<ul style="list-style-type: none"> Create job description, advertisement and interview process for new NaTHNaC Director 	November 2011	NJB JM	Advertisement costs; relocation package
Staffing levels	<ul style="list-style-type: none"> Continue to employ all current NaTHNaC staff Develop job descriptions for administrative support post 	Ongoing Spring 2011	JM GO DRH	Continue to manage costs for each position within budget
Staff development	<ul style="list-style-type: none"> Hold staff appraisals on annual basis Continue effective communication between network through weekly team meetings and visits to Liverpool and Colindale (HPA) sites All staff and Steering Committee members annually to sign Declaration of Interests form of NaTHNaC Private Sector Policy 	Aug – Oct 2011 Ongoing June 2011	DRH GO JM HS All	
Commissioning role of HPA for NaTHNaC	<ul style="list-style-type: none"> Agree and sign contract between HPA and UCLH NHS Foundation Trust Review NaTHNaC work quarterly within Steering Committee 	April 2011 Quarterly	GB MW JM DRH	
NaTHNaC – UCLH NHS Foundation Trust relationship	<ul style="list-style-type: none"> Continue to work efficiently with UCLH department of Finance, Payments, Human Resources, Communications and IT 	Ongoing	MW GO JM DRH	

Publicity, marketing and communication (see also Aim #1 below)	<ul style="list-style-type: none"> • Link with ongoing travel health campaigns, e.g. the FCO, Know Before You Go campaign • Attendance and presentations at relevant conferences/ meetings/training events • Publicise the UK Yellow Book • Establish contacts with journals and newspapers • Develop a communications strategy 	Ongoing	JM GO MG DRH HS	Partnership with other campaigns where goals overlap
NaTHNaC online shop	<ul style="list-style-type: none"> • Establish an online shop to sell NaTHNaC products, e.g. the Yellow Book, International Certificates of Vaccination or Prophylaxis, yellow fever maps • Add new items to shop as needed 	April 2011 Ongoing	JM COM	Costs covered by income from shop

1. To develop consistent and authoritative national guidance				
Yellow Book Publication	<ul style="list-style-type: none"> • Promote and distribute Yellow Book • Publish online version of YB in conjunction with website upgrade 	Ongoing	VF DRH GO JM COM	Funds set aside for website upgrade
Website Upgrade	<ul style="list-style-type: none"> • Review all website content and presentation • Develop content management system • Review all content on travellers' side • Rewrite key health information sheets for patient information leaflets 	January 2012	JM MG HS DRH COM Clinical staff	Funds set aside for website upgrade
Country Information Pages (CIP)	<ul style="list-style-type: none"> • Review and update all content on CIPs 	December 2011	DRH NB CW DJ VF	
Representation on key national advisory committees	<ul style="list-style-type: none"> • Advisory Committee on Malaria Prevention • Joint Committee on Vaccination and Immunisation (observer) • London Malaria Group • Faculty of Travel Medicine, RCPS (Glasgow) 	Ongoing	DRH DRH DRH JJ JL HS	
Interactions between the HPA Malaria Reference Laboratory, the ACMP and NaTHNaC	<ul style="list-style-type: none"> • Regular information sharing • Development of advice protocols • Review, agree and develop malaria risk recommendations and maps 	Ongoing	DRH VF JJ PLC HPS	Malaria map production will incur costs
Private sector initiatives	<ul style="list-style-type: none"> • Pursue partnership with the private sector when there are clear, mutual goals of <i>Protecting the Health of British Travellers</i> • Work with HPA and UCLH to establish protocols by which 	Ongoing	JM DRH GB KD MW	Costs to be underwritten and developed if

	<ul style="list-style-type: none"> NaTHNaC can receive funds through private sector initiatives Work with Haymarket Publishing to provide tabular guidance on vaccines and malaria prevention for travel Work with NHS Innovations to develop mobile applications for the NaTHNaC country information 		Steering Committee	proposals accepted	
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2. To provide guidance on specific situations

Country Information Pages (CIP)	<ul style="list-style-type: none"> Provide country specific information on malaria prevention, vaccine preventable disease and other selected infectious disease risks (see Objective #1 above) 	Ongoing	DJ NB VF CW HS DRH		
National telephone advice line for health professionals	<ul style="list-style-type: none"> Provide daily advice to health professionals on complex queries Enter advice line data into database 	Ongoing	MG AS HS CW RT TC LF CD DRH		
Global health events	<ul style="list-style-type: none"> Review, assess and add global disease outbreaks to OSD Circulate daily health brief report to NaTHNaC team and key stakeholders Select events with important implications for UK travellers and health professionals and write Clinical Updates for posting on the NaTHNaC website 	Daily Daily Ongoing	DJ DJ Clinical Staff		
Olympics 2012	<ul style="list-style-type: none"> Work with the HPA to develop protocols for surveillance of global disease outbreaks during the Olympic period, 2012 	January 2012	JJ JL DJ DRH		

3. To carry out surveillance of travel-related illness

Surveillance of travel-related infectious diseases	<ul style="list-style-type: none"> Collate and analyse information on infections in travellers from sources within and outside of the HPA Produce annual update of data on infections in travellers on HPA website Update epidemiology in information sheets on NaTHNaC website as necessary Ongoing review of clinical updates/FCO information queries as requested by NaTHNaC Manage enhanced surveillance of enteric fevers in England, Wales 	All ongoing	JJ JL for all		
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	<ul style="list-style-type: none"> and Northern Ireland and produce regular information on results Identify and implement measures to improve and expand systems for surveillance of imported infectious illness Contribute to daily surveillance report on global disease outbreaks and weekly summaries for HPA Continued improvements to the HPA website content for travel health Further develop HPA-wide work on travel health Lead on international epidemic intelligence during the 2012 Olympics To ensure that the HPA's role in travel health is maintained with the move to Public Health England in 2013 				
Surveillance of global health events	<ul style="list-style-type: none"> Review multiple authoritative sources providing information on health events with a potential to affect the British traveller Enter these events in the OSD and circulate to stakeholders 	Ongoing	DJ		
Surveillance to include non-infectious hazards to travellers health	<ul style="list-style-type: none"> Work with external stakeholders e.g. the FCO and travel industry to improve information on non-infectious hazards to travellers health, i.e. accidents etc 	Ongoing	JJ JL DRH		

4. To administer Yellow Fever Vaccination Centres in England, Wales and Northern Ireland				
YFVC programme of registration, training, standards and audit	<ul style="list-style-type: none"> Maintain and review programme. YF committee (HS AS GO YI JM DRH) meets every one – two months. 	Ongoing	HS AS JM GO YI DRH	YFVC registration fees cover admin costs
Assessment and Audit (AA) instrument for YFVCs	<ul style="list-style-type: none"> Develop and implement an online AA for YFVCs Establish a system for reviewing and following up on each YFVCs AA 	January 2012	JM NB HS AS GO DRH	Costs of AA evaluation process to be determined
Central database for YFVCs	<ul style="list-style-type: none"> Review database and make changes to more closely meet our needs for data capture 	December 2011	GO YI TSO	
YFVC training programme	<ul style="list-style-type: none"> Peer review of training by Associate Trainers Organise annual Associate Trainer update session Revise training content to include new WHO mapping of YF vaccination recommendations Review and adapt US CDC online YF training module for NaTHNaC training of renewal centres 	Ongoing January 2012 May 2011 January 2012	HS AS HS GO DRH HS HS AS CW MG JM DRH	Costs of training are covered by training fees

International Certificate of Vaccination or Prophylaxis (ICVP)	<ul style="list-style-type: none"> Continue printing and distribution of ICVPs with YF vaccine orders. The distribution of ICVPs with vaccine orders is handled by Sanofi Pasteur MSD Add a Letter of Medical Exemption page to the ICVP 	Ongoing June 2011	GO JM HS DRH GO		
Yellow Fever Vaccination, Patient Information Leaflet	<ul style="list-style-type: none"> Revise and print YF leaflet for distribution and sale 	July 2011	DRH HS GO		
De-designate YFVCs as necessary	<ul style="list-style-type: none"> Implement de-designation policy when thresholds reached 	Ongoing	GO YI JM		

5. To engage major stakeholders (private and government) concerned with travel health					
NaTHNaC Advisory Group	<ul style="list-style-type: none"> When new Director in post, organise a meeting of the Advisory Group to discuss how it can continue to provide input and guidance to NaTHNaC, and whether a new model is necessary? 	Spring 2012	GO HS JM		
Foreign and Commonwealth Office	<ul style="list-style-type: none"> Review FCO health postings on their country pages Provide FCO with information on health events through circulation of the OSD daily brief 	Ongoing	DJ JL JJ DRH		
Private sector	<ul style="list-style-type: none"> Hold relevant meetings with pharmaceutical and tourism (both travel and insurance) industries in accordance with the NaTHNaC Private Sector Policy with the aim of improving the provision of travel health information to health professionals and travellers 	Ongoing	DRH JM		
Global travel health advisory bodies	<ul style="list-style-type: none"> Collaborate with WHO on yellow fever geographic risk determination Partner with EuroTravNet on travel medicine in Europe 	Ongoing	DRH DRH VF		

6. To facilitate training of health care and other personnel					
Training for health professionals	<ul style="list-style-type: none"> Update the YF training programme Work with NaTHNaC Associate Trainers to deliver YF training modules Develop online training for renewing YFVCs Consider developing NaTHNaC training in other areas of travel health, e.g. risk assessment, vaccination and malaria 	Ongoing	HS AS GO YI MG DRH CW JM COM	Explore costs associated with online training module	

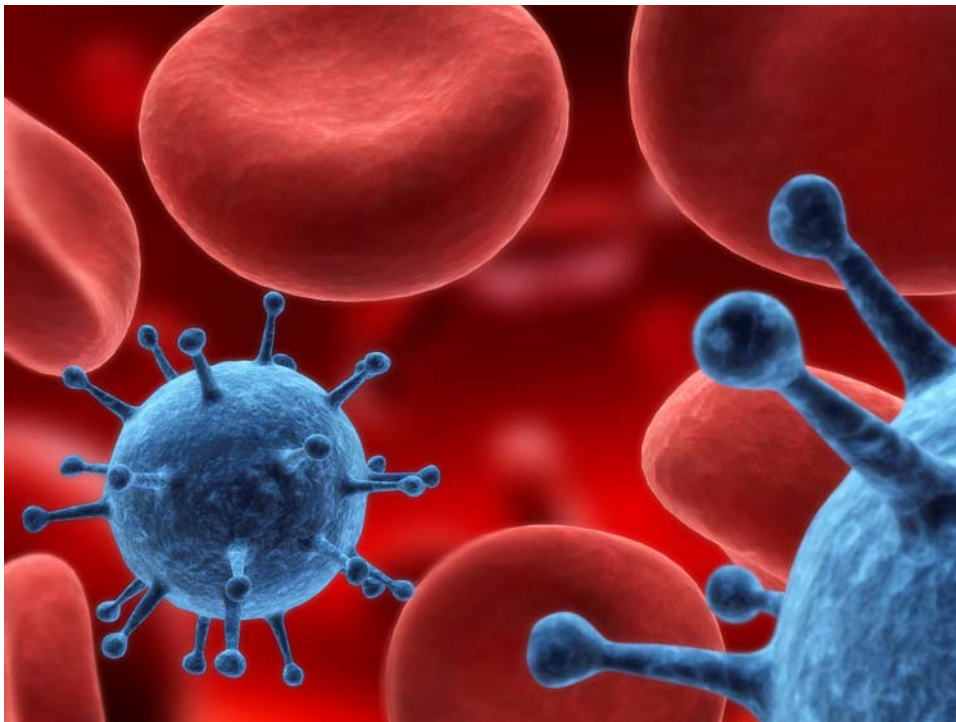
Short course in travel medicine	<ul style="list-style-type: none"> Partner with LSH&TM to run week long short course in travel medicine 	April 2011	DRH		
Education in travel medicine	<ul style="list-style-type: none"> NaTHNaC staff to teach and lecture on courses devoted to travel medicine in the UK and internationally 	Ongoing	All clinical staff		
Mentor trainees	<ul style="list-style-type: none"> Continue to have elective medical students spend a month learning public health aspects of travel medicine 	Ongoing	DRH		

7. To define short-term and long-term research priorities					
Yellow fever geographic risk	<ul style="list-style-type: none"> Collaborate with WHO to define the geographic risk areas for yellow fever 	Summer 2011	DRH		
Health outcomes	<ul style="list-style-type: none"> Analyse survey of YFVCs (performed summer, 2009) to assess if the NaTHNaC programme for centres has resulted in changes to practice Present information 	Summer 2011 CISTM May 2011	NB HS DRH		
Advice line	<ul style="list-style-type: none"> Review, analyse and present information on NaTHNaC advice line from 2004-2009 Present and publish information 	January 2012 CISTM May 2011	CW LF TC DRH NB		

Aims and Objectives of NaTHNaC:

(as agreed by NaTHNaC Steering Committee – 21 May 2002)

1. To develop consistent and authoritative national guidance on general health matters for health professionals advising the public travelling abroad, and to disseminate this information widely.
2. To provide guidance on specific situations relating to the health of travellers.
3. To carry out surveillance of infectious and non-infectious hazards abroad, producing accessible regular output of such surveillance.
4. To administer the Yellow Fever Vaccination Centres.
5. To engage the major stakeholders concerned with travel health especially the travel industry, insurance industry and government bodies, to assist both in sentinel surveillance and to engage in constructive dialogue towards a unified prevention approach.
6. To facilitate, in collaboration with other training providers, the training of health care and other personnel in the provision of best quality travel health advice, based on such evidence as is available.
7. To define short-term and long-term research priorities in relation to the above.



YEAR-END FINANCE REPORTS: Income & Expenditures

NaTHNaC receives operating funds from three sources:

- The Health Protection Agency (HPA). The HPA provides core funding for NaTHNaC on an annual basis, and commissions NaTHNaC to carry out its work, including its programme for Yellow Fever Vaccination Centres (YFVCs). NaTHNaC is hosted by the UCLH NHS Foundation Trust and has its home office at 250 Euston Road, London. All monies received from the HPA are administered through the Trust, and all London-based NaTHNaC personnel are employed by the Trust.
- The NaTHNaC programme of registration, training, standards and audit of (YFVCs). Registration fees from YFVCs are assigned to the year of receipt and the subsequent year depending upon the period of registration of the individual centre (YFVCs have the option of registering for one or two years).
- Yellow fever training for YFVCs. Training programme fees are targeted to recover costs and may be carried over into subsequent years.
- Private sector initiatives. The NaTHNaC online shop sells several items: the UK Yellow Book, International Certificates of Vaccination or Prophylaxis, YF Patient Information leaflets and laminated YF vaccination maps. These contribute a small amount to the operating budget.

Expenditure is divided between the two sites where NaTHNaC operates: the UCLH NHS Foundation Trust in London and the Liverpool School of Tropical Medicine.

2010 – 2011

INCOME

<i>Annual Core Funding (HPA)</i>	<i>468,188</i>
<i>YFVC Registration Fees (2010 - 2011)</i>	<i>132,411</i>
<i>YFVC Training Fees</i>	<i>188,450</i>
<i>Yellow Book Sales</i>	<i>7,697</i>
<i>Carried forward from 2009 - 2010</i>	<i>183,990</i>
<i>Total Income</i>	<i>980,736</i>

EXPENDITURES

<i>Staff Costs</i>	<i>627,877</i>
<i>Overheads: UCLH</i>	<i>46,818</i>
<i>Liverpool</i>	<i>26,145</i>
<i>YFVC Training Costs</i>	<i>69,487</i>
<i>Rent, Rates, Utilities</i>	<i>98,159</i>
<i>Project Work & General Expenditure</i>	<i>65,416</i>
<i>Total Expenditure</i>	<i>933,902</i>

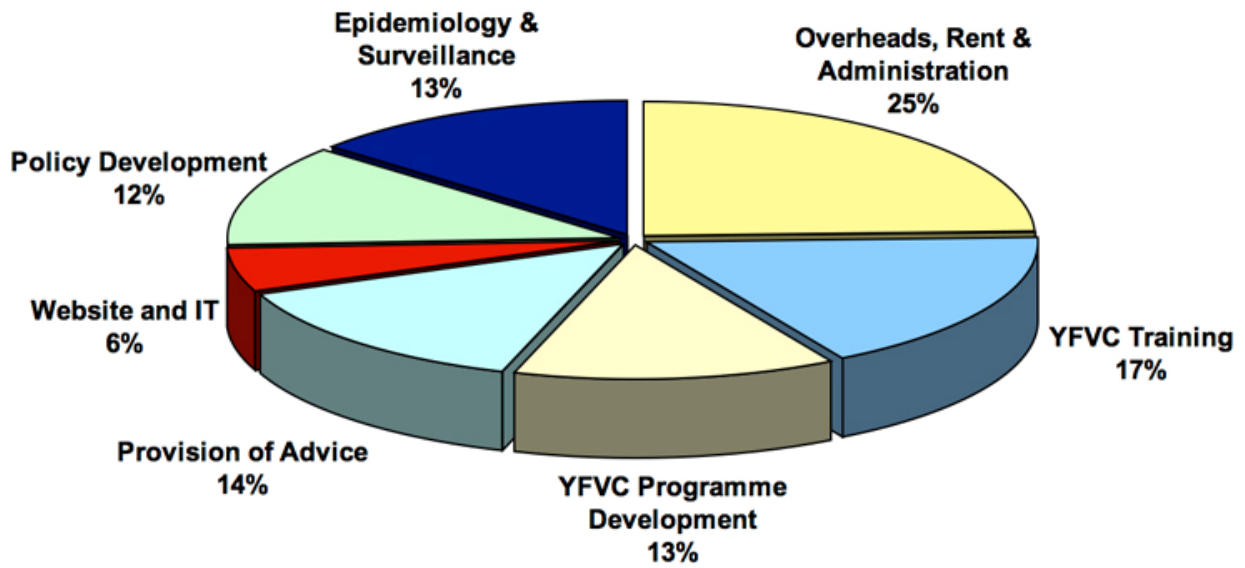
Carry forward to 2010 - 2011

<i>YFVC Registration fees *</i>	<i>46,834</i>
<i>Total Expenditure & Carry Forward</i>	<i>980,736</i>

* Registration fees from YFVCs are assigned to the year of receipt and the subsequent year depending upon the period of registration of the individual centre (YFVCs have the option of registering for one or two years).

SUMMARY OF RESOURCE ALLOCATION: 2010 - 2011

This chart illustrates the allocation of funding during 2010 – 2011 towards the major objectives of NaTHNaC.



BUDGET: 2011 – 2012

INCOME

<i>Annual Core Funding (HPA)</i>	<i>437,755</i>
<i>YFVC Registration Fees (2011 - 2012)</i>	<i>386,996</i>
<i>YFVC Training Fees</i>	<i>159,250</i>
<i>Carried forward from 2010 - 2011</i>	<i>46,834</i>
<i>Yellow Book Sales</i>	<i>10,000</i>
<i>Total Income</i>	<i>1,040,835</i>

EXPENDITURES

<i>Staff Costs</i>	<i>622,052</i>
<i>Overheads: UCLH</i>	<i>43,776</i>
<i>Liverpool</i>	<i>32,250</i>
<i>YFVC Training Costs</i>	<i>67,600</i>
<i>Rent, Rates, Utilities</i>	<i>100,000</i>
<i>Project Work & General Expenditure</i>	<i>114,700</i>
<i>Total Expenditure</i>	<i>980,378</i>

Carry forward to 2011 - 2012

<i>YFVC Registration fees *</i>	<i>60,457</i>
<i>Total Expenditure & Carry Forward</i>	<i>1,040,835</i>

* Registration fees from YFVCs are assigned to the year of receipt and the subsequent year depending upon the period of registration of the individual centre (YFVCs have the option of registering for one or two years).

NaTHNaC thanks our partner organisations for their support, expertise and commitment to
'Protecting the Health of British Travellers'

Health Protection Agency
www.hpa.org.uk

Liverpool School of Tropical Medicine
www.liv.ac.uk/lstm

London School of Hygiene and Tropical Medicine
www.lshtm.ac.uk

The Hospital for Tropical Diseases
www.thehtd.org

Department of Health
www.dh.gov.uk

University College London Hospital NHS Foundation Trust
www.uclh.nhs.uk

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UCLH NHS Foundation Trust
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www.nathnac.org



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