

The National Travel Health Network and Centre (NaTHNaC)

Annual Report

2008 - 2010



UK Yellow Book icons



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EXECUTIVE SUMMARY

Finding your way in travel health. That is the challenge for health practitioners. How do they perform an individual traveller risk assessment and manage this risk with accurate and reliable guidance? This question formed the basis for the creation of NaTHNaC in 2002 – to help support busy travel health professionals in general practice. Now, in our eighth year, we have completed a comprehensive package of guidance and resources. The dynamic country-specific health advice and outbreak information found on our website, and the daily support of our national advice line, will be capped off with the publication in June 2010 of *Health Information for Overseas Travel*. We are just completing a two-year effort in revising this definitive text for travel medicine care in the UK, known as the UK 'Yellow Book'. Used in close conjunction with our website information it will provide:

- the structure for individualised travel health risk assessment and management
- guidance on travellers with special health needs and/or complex itineraries
- a detailed disease guide covering the most common travel-related infectious risks
- algorithms for evaluating ill returned travellers
- an extensive resource guide covering all aspects of travel medicine

Additional activities undertaken by NaTHNaC:

- Supporting and advising the Health Protection Agency and the Foreign and Commonwealth Office on the UK response to travel-associated pandemic influenza. We created a pandemic influenza page, wrote a health information sheet and posted numerous Clinical Updates throughout the pandemic.
- Collaborating with global partners, the World Health Organization and the US Centers for Disease Control and Prevention (CDC), on improved determination of the geographic risk of yellow fever. This work has been particularly timely as the epidemiology of yellow fever is changing, especially in South America, and the vaccine has been recognised to carry rare, but potentially severe adverse events. More accurate targeting of yellow fever vaccination will protect those UK travellers truly at risk.
- Providing education and resources to more than 3,400 Yellow Fever Vaccination Centres (YFVCs) in England, Wales and Northern Ireland. Our programme of registration, training, standards and audit is a world model for yellow fever centre management. The training portion of our programme has been adapted by the US CDC for use in their new online training module for all US yellow fever centres.
- Assessing the current status and practice of YFVCs in England, Wales and Northern Ireland, and whether our programme has made a difference to this practice. Early analysis of the results indicates that after training, 96% of health professionals had improved confidence in yellow fever vaccine administration and 68% of centres instituted changes to their practice.

Other important notes:

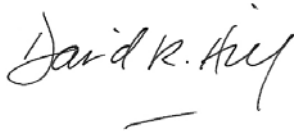
- In the last year we had 704,743 visits to our website where 3,549,961 pages were viewed by persons from every country of the world. We posted 99 Clinical Updates, listed 2,333 disease outbreaks on the Outbreak Surveillance Database, and took 9,097 calls on our national advice line.
- Growth always involves change: Stella Bailey left after four years as our Service Manager with Geraldine Oliver joining us in that post in May 2009; Naomi Bryant, our Senior Information Analyst left in September 2009 to join the HPA and Daiga Jermacane has filled the position; Emma Philpott left her position as YFVC administrator, and Yetunde Ibitoye has joined us; and Nicki Boddington, an MSc student, joined us to pursue research on a part-time basis.

The plans for the next year are outlined in the NaTHNaC Business Plan (page 20) and are summarised:

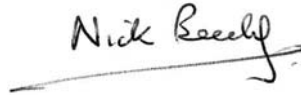
- Launch the UK Yellow Book.
- Refresh the NaTHNaC website and provide enhanced resources for travellers
- Update the content for the country information pages
- Pursue mobile applications for our country information pages

- Introduce online training for renewing YFVCs, and develop other training modules
- Introduce an Assessment and Audit instrument for existing YFVCs
- Continue our international collaborations on yellow fever geographic risk mapping
- Move NaTHNaC home offices within 250 Euston Road, London

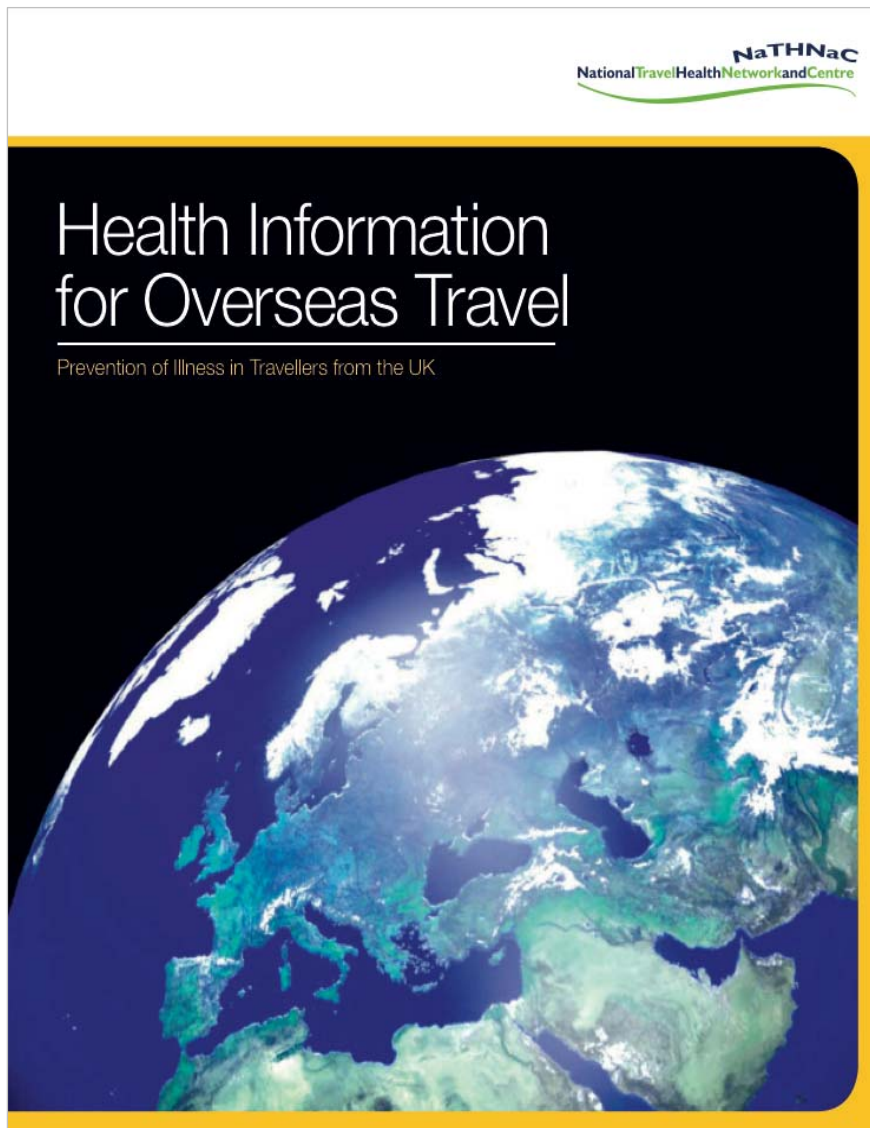
We are pleased to share with you the exciting work NaTHNaC has undertaken during the past two years as we move to become world leaders in travel medicine.



Professor David R. Hill, Director



Dr Nicholas J. Beeching, Chair, Steering Committee



PROGRESS TOWARDS MEETING NATHNAC OBJECTIVES

The following details our work and accomplishments during 2008-2010 towards 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.

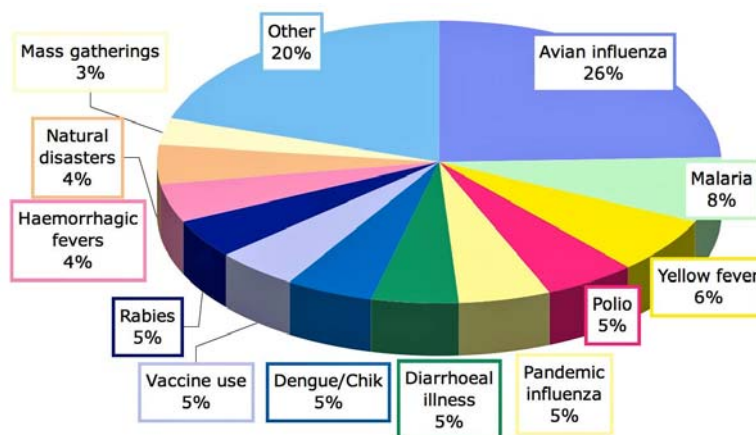
- NaTHNaC provides national guidance through its website, its telephone advice line, the UK Yellow Book (as of June 2010), and its membership and advocacy on numerous national and international health bodies and societies.
 - Work on the UK Yellow Book (*Health Information for Overseas Travel*) has been a major project over the last two years. Aply led by Dr. Vanessa Field, the Yellow Book has been entirely revised as a practitioner friendly guide. It will provide the background and support to the dynamic content of the NaTHNaC website. It guides the practitioner through the risk assessment and risk management of the pre-travel consultation, highlighting important considerations for travellers with special health needs or undertaking challenging itineraries. There is an extensive disease guide that details important travel-related infectious disease, and algorithms to follow for those practitioners who see ill returned travellers.
 - The NaTHNaC website contains several resources (see panel for website use): Country Information Pages (CIPs), the Outbreak Surveillance Database (OSD), Clinical Updates and Health Information Sheets. The CIPs are a core resource giving evidence-based guidance on risk assessment and management of vaccine-preventable and key non-vaccine preventable risks for travellers.
- | NaTHNaC Website Use: April 2009 – March 2010 | |
|---|----------------------|
| Visits to the website | 704,743 |
| Page views | 3,549,961 |
| Top 5 countries that accessed website | United Kingdom (82%) |
| | United States (7%) |
| | India (1%) |
| | Canada (1%) |
| | Australia (1%) |
| Total countries | 220 |
- The OSD collates, describes and links to global health events that are considered a potential risk to UK travellers. It is updated daily and provides real-time information about potential threats to UK travellers. It is linked to the CIPs: health professionals and travellers can access the CIP for their destination country and then review any recent health events that could affect their travel. This linkage of advice and alert is not produced by any other health authority in the world.
 - Key membership positions on the following committees:
 - Advisory Committee on Malaria Prevention (ACMP), Health Protection Agency
 - Joint Committee for Vaccination and Immunisation (JCVI), Department of Health
 - London Area Malaria Group (goal of decreasing the burden of malaria in London travellers)
 - Tropical Medicine Study Group, Defence Medical Services
 - Consular Stakeholder Panel, Foreign and Commonwealth Office
 - British Travel Health Association
 - Travel 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 is an important link to the travel medicine providers throughout the UK. Together with those in practice, we help to solve challenging queries about travellers with chronic medical conditions that need special care during the trip and its preparation, and about itineraries that push the boundaries of experience. In 2008 – 2009 we took 9,061 calls and in 2009 – 2010, 9,097 calls. We continually review the most common queries, updating our clinical guidance and sharing this in the form of FAQs on our website.

- Every week there are high profile health events that have implications for British travellers. These range from natural disasters, to new outbreaks of disease such as pandemic influenza, unusual patterns of existing disease, introduction of new vaccines, and important announcements to the travel health community. We describe these events in Clinical Updates that are highlighted on our website. The topics of the more than 500 Clinical Updates that we have written since 2004 are presented in the figure.



- NaTHNaC has developed specific guidance for the following global health events or risks:
 - Pandemic influenza (see Objective 5, p. 6)
 - Health advice for Hajj and Umrah pilgrims
 - Travel to South Africa for the FIFA World Cup Football tournament (summer, 2010)
 - Recommendations for disaster relief personnel, specifically for recent disasters in Haiti, China and Chile
 - Sexually transmitted infections
 - Road traffic safety

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 Health Protection Agency 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 Yellow Fever Vaccination Centres (YFVCs) has entered its fifth year. The comprehensive nature of the programme is a model for setting standards around clinical practice.

- NaTHNaC has taken the opportunity of new administrative leadership of our yellow fever (YF) programme with Geraldine Oliver and Yetunde Ibitoye, to review our procedures, communication with, and training of YFVCs. We have worked hard to be more responsive to each centre’s needs providing the support that they deserve. We appreciate the hard work that Stella Bailey, our former service administrator did in bringing our YF programme to fruition.
- In the summer of 2009 we surveyed existing YFVCs to assess their current practice, and whether our programme has made a difference to their practice. This is a follow-up of our survey published in 2008 (Bryant N, et al. *J Travel Med* 15:252, 2008) that assessed YFVCs prior to the roll-out of our programme. We consider it important to measure whether the institution of required training and adherence to standards was having an effect. In essence, do standards make a positive difference? Preliminary analysis will be presented at the Northern European Conference of Travel Medicine in Hamburg in May 2010, and indicates that following training, 96% of health professionals had improved confidence levels and 68% of centres instituted changes to their practice.

- We continue to review and update our training materials. The outcomes of the WHO informal working group on the geographic risk of YF will introduce substantial changes in understanding risk for individual travellers to South America and Africa. These changes to risk assessment will need to be incorporated into our training and shared with each YFVC.

NaTHNaC Programme for YFVCs	
Civilian centres (as of 31 March 2010)	
England	3,128
Wales	116
Northern Ireland	54
Number of delegates trained (Apr 08 – Mar 10)	3,905
Number of training sessions (Apr 08 – Mar 10)	146

- Sanofi Pasteur MSD remains an important partner in the YF programme by limiting their sales of YF vaccine only to registered YFVCs. They have also printed a YF patient information leaflet for NaTHNaC which has been very popular with the centres.
- We are indebted to our core of YFVCs trainers, who help us to deliver our training modules to the hundreds of delegates throughout England, Wales and Northern Ireland (see panel).

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 continues to engage stakeholders in travel medicine through its biannual Advisory Group meetings and individual projects. The Advisory Group comprises about 25 individuals from all areas concerned with travel health: the travel industry, the pharmaceutical industry, general practice, nursing, infectious diseases, and health protection. Topics for the last several meetings of the Advisory Group were:
 - The role of the travel industry in provision of travel health advice.
 - Representatives from ABTA (the Association of British Travel Agents), lastminute.com, the Travel Section of the Foreign and Commonwealth Office (FCO), and the FCO ‘Know Before You Go’ campaign discussed how they convey travel health messages to their customers.
 - The ABTA Code of Conduct states that agents and operators are to notify travellers of the requirements for health preparation for specific destinations, and inform travellers of the need to see a health professional.

- It was agreed that the travel industry should make every effort to join up advice with national authorities and consider providing links to reliable health advice such as NaTHNaC and Fit for Travel (Health Protection Scotland).
 - The NaTHNaC YFVC programme, with presentations by NaTHNaC team members.
 - It was agreed that this programme has made a difference in helping to set standards around an important aspect of travel medicine practice – determination of YF risk and the accurate and safe administration of YF vaccine.
 - Setting standards in travel medicine.
 - Representatives from the Royal College of Nursing and the Faculty of Travel Medicine reviewed the new competencies for nurses practising travel medicine, and the efforts of the Faculty to set professional standards in the field.
 - There was agreement that introduction of standards is a desirable goal, but there remain challenges in seeing standards widely adopted, as well as integrated into groups that have newly entered travel medicine practice such as pharmacists.
 - Communicating the message of travel health.
 - Communication to health professionals and to travellers was discussed.
 - An important outcome was the consensus that NaTHNaC has developed excellent resources to communicate travel health messages to health professionals, and that we should continue to build upon this. While it is important to provide travellers with sufficient information to keep them safe, it was probably not necessary to duplicate resources that already existed, such as the Fit for Travel site (Health Protection Scotland).
- An illustrative example of working with stakeholders in travel medicine was the joined up approach to the emergence of pandemic H1N1 (2009) influenza in April 2009. NaTHNaC worked with partners at the TMHS of the HPA, and the FCO, to review and agree travel advice to and from the UK before pandemic influenza was widespread within the UK. NaTHNaC:
 - produced a daily spreadsheet of confirmed and suspected cases worldwide, that was circulated to key stakeholders.
 - developed a pandemic influenza website page where an information sheet, case total data and 23 Clinical Updates were posted.
 - worked with the FCO, Department of Health, HPA and Muslim Council of Britain to produce guidelines regarding pandemic influenza for Hajj pilgrims.

During the pandemic, access to the website, and specifically to content related to travel to Mexico and the United States (countries that were affected by the pandemic in its early stages) and on pandemic and seasonal influenza increased many-fold (see panel). Wide recognition of the resources on the site has led to consistently higher website traffic since the summer of 2009.

<u>Visits and Searches to the NaTHNaC Website in the Eight Weeks Pre- and Post-Pandemic (H1N1) Influenza</u>			
<u>Visits or Searches</u>	<u>Number before</u>	<u>Number after</u>	<u>% Change</u>
Daily website visits	1,664	2,132	28
Visits to Mexico CIP	2,040	4,090	101
Mexico searches on the OSD	50	459	818
Visits to seasonal influenza information sheet	34	1572	4,524

- In 2008 the European Centre for Disease Prevention and Control put forth a tender for review of travel medicine services in Europe. The tender was won by EuroTravNet which is a consortium of European travel and tropical medicine services, and GeoSentinel (an international collaboration of clinics that is coordinated by the US CDC and the International Society of Travel Medicine). NaTHNaC supported this application and is a partner within EuroTravNet adding its expertise to help define travel medicine within Europe.

- In September 2008, the WHO convened a consultation on YF and international travel. This was prompted by the new International Health Regulations (2005) (adopted June 2007) and the need to inform Member States regarding YF policy, by the changing epidemiology of YF with expansion into new areas, particularly in South America, and the recognition of rare, but severe adverse events following YF vaccination. NaTHNaC was invited to join this consultation and has been participating as part of an informal working group that is determining the geographic distribution of YF in every country at risk in Central and South America and Africa. The results of this effort will be presented to WHO Member States in the summer 2010 for approval, with implementation in the autumn of 2010. This is the first systematic review of YF geographic risk in several decades and will form the basis of important changes to vaccine policy for YF.

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.

- Yellow fever training of new and existing YFVCs is a key aspect of our overall YFVC programme. Our own staff and 11 Associate Trainers travel throughout the country to hold training days for YFVCs, sharing the latest information on epidemiology, vaccine safety and the practicalities of running a YFVC (see panel, Objective 4).
- We have forged a key partnership with the US CDC over our YF training module. The CDC has reviewed the content of this training and adapted it for use in training US YFVCs. US centres will take the CDC course by logging online to the CDC website beginning summer 2010. It is NaTHNaC's plan to adapt this web-based resource for our training so that YFVCs in England, Wales and Northern Ireland can choose to renew their training requirement either in person or online. 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.
- NaTHNaC continues to provide leadership for international conferences in travel medicine. We were represented on both the organising and scientific committees of the 2nd Northern European Conference on Travel Medicine (NECTM) held in Helsinki in May 2008. We provided leadership on the Scientific Committee for the 11th Conference of the International Society of Travel Medicine held in Budapest, Hungary in May 2009. We are on the organising and scientific committees of the 3rd NECTM to be held in Hamburg, Germany in May 2010.
- 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.
 - Dr. Vanessa Field organised the Faculty of Travel Medicine course, Nets and Bolts, in London, April 2009, and Claire Wong, based in Liverpool, organised this same course in Liverpool, June 2009.
- NaTHNaC staff have participated in numerous 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. 13) 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. 13).

- 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 preliminary results will be presented at the Northern European Conference in Travel Medicine in Hamburg, May 2010.
 - An analysis of the NaTHNaC website traffic and use during the early stages of pandemic influenza has been carried out and submitted for publication.
 - The Outbreak Surveillance Database is being examined for its content and growth over the last five years.
 - Calls to the NaTHNaC advice line from January 2004 to December 2008 (more than 40,000 calls) are being analysed. This will help inform our advice on the website and to develop training and information initiatives in travel medicine.
 - Collaboration with WHO, CDC and other global experts on geographic mapping of YF risk.
 - Collaboration with Oxford University to accurately determine risk areas for YF infection in South America and Africa.



PERSONNEL

NaTHNaC Personnel: 2008 – 2010

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 Jordan	Specialist Nurse Adviser, London
Mary Gawthrop	Specialist Nurse Adviser, London
Naomi Bryant (until 9/09)	Senior Information Analyst, London
Daiga Jermacane (as of 11/09)	Senior Information Analyst, London
Emma Philpott (until 9/08)	YFVC Administrator, London
Matthew Marshall (12/08 – 9/09)	YFVC Administrator, London
Yetunde Ibitoye (as of 10/09)	YFVC Administrator, London
Terence Corrigan	Data Manager, London
Stella Bailey (until 3/09)	NaTHNaC Service Manager, London
Geraldine Oliver (as of 5/09)	NaTHNaC Service Manager, London
John Mathewson	Business Manager, London

Collaborators: TMHS Personnel

Dr Jane Jones	Consultant epidemiologist Head, Travel and Migrant Health Section, HPA Centre for Infections
Joanne Lawrence	Travel Health Surveillance Scientist, HPA Centre for Infections

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 Hospital NHS Foundation Trust

THE NATHNAC ADVISORY GROUP

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

Advisory Group: 2008-2010 (date of term completion)

Chair: Prof. Sue Atkinson	UCLH NHS Foundation Trust, London
Lynda Bramham (5/09)	Nurse Advisor, MASTA
Claire Cameron (5/08)	Centre for Infections, Health Protection Agency
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
Dr John Davies (5/09)	General Practice and British Travel Health Association
John De Vial (5/08)	Travel industry, Thomas Cook
Denise Durnien (5/10)	Department of Health, Social Services and Public Health, N Ireland
Fiona Genasi (5/08)	Travel Health Section, Health Protection Scotland, Glasgow
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, Centre for Infections, HPA
Nicola Joyce (5/11)	Welsh Assembly, Cardiff
Dr George Kassianos (5/12)	Royal College of General Practitioners
Susan Lamb (5/10)	Association of British Travel Agents
Joyce Laptalis (5/09)	Occupational Medicine, British Airways
Dr Gil Lea (5/09)	Travel Medicine Specialist, London
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
Dr Brian McCloskey (5/09)	Health Protection Agency
Dr Mike McKendrick (5/09)	Infectious Diseases Consultant, Sheffield University
Dr Karen Noakes (5/09)	Immunisation, Department of Health
Dr Richard Pebody (5/09)	Centre for Infections, HPA
Dr David A Ross (5/09)	Defence Medical Services
Dr Matthias Schmid (5/08)	Infectious Diseases, Newcastle General Hospital
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 more than 3,400 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



OUTPUTS FOR 2008-2010

Key: AJ – Alexandra Jordan	ASTMH – American Society of Tropical Medicine & Hygiene
CW – Claire Wong	ECDC: European Centre for Disease Prevention and Control
DRH – David R Hill	ICAAC – Interscience Conference on Antimicrobial Agents and Chemotherapy
HS – Hilary Simons	IDSA – Infectious Diseases Society of America
SB – Stella Bailey	ISTM – International Society of Travel Medicine
TC – Terence Corrigan	LSH&TM – London School of Hygiene and Tropical Medicine
EP – Emma Philpott	LSTM – Liverpool School of Tropical Medicine
LF – Lisa Ford	NECTM – Northern European Conference on Travel Medicine
MG – Mary Gawthrop	UConn – University of Connecticut
NB – Naomi Bryant	
VF – Vanessa Field	

A. Honours and Distinctions	
Membership, Faculty of Travel Medicine, RCPS (Glasg).	MG LF CW HS
Fellowship, Faculty of Travel Medicine, RCPS (Glasg).	VF
MA Journalism, Westminster University, July 2008.	MG
Election to Councillor, American Society of Tropical Medicine and Hygiene, 2009.	DRH
London Deanery Travel Medicine Research Award, EuroTravNet Research Associate, April 2009 - 2010	VF
International Society of Travel Medicine: Certificate of Knowledge in Travel Health, May 2009.	MG
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. 7 – 11 April 2008; 30 March - 3 April 2009.	DRH
International Society of Travel Medicine Member, Editorial Board, Journal of Travel Medicine Member, Scientific Committee, 11 th Conference of the International Society of Travel Medicine (CISTM10), Budapest, Hungary, May 2009 Member Professional Education Committee	DRH DRH DRH VF
American Society of Tropical Medicine and Hygiene Councillor (2010-2013) Member, Education Committee	DRH
2 nd Northern European Conference on Travel Medicine. Helsinki, May 2008. Member Scientific Committee Member Organising Committee	VF DRH

3 rd Northern European Conference on Travel Medicine. Hamburg, May 2010. Member Scientific Committee Member Organising Committee	CW DRH
British Travel Health Association Executive Committee; Deputy Secretary, 2008 – 2010	CW
Department of Health, Joint Committee on Vaccination and Immunisation – Member	DRH
HPA Advisory Committee on Malaria Prevention – Member	DRH
Royal College of Physicians and Surgeons (Glasgow) Faculty of Travel Medicine, Executive Board member Education and Professional Development sub-committee, Member Diploma of Travel Medicine, Examiner	VF
GeoSentinel Site Director (InterHealth)	VF
EuroTravNet Steering Committee Member and Core Site Director; 2008 – present.	VF
World Health Organization: Consultation on Yellow Fever and International Travel. Geneva, 4-5 September 2008. Informal Working Group on the Geographic Risk of Yellow Fever. September 2008 – present. Consultation on Strategies for International Travel and Health. Budapest, 22 May 2009. Consultation on Yellow Fever and International Travel; ECDC, Stockholm, 4-5 March 2010. International Health Regulation, Roster of Experts – Travel Medicine.	DRH DRH DRH DRH VF
Editorial Review: NHS Choices: Travel Overview, What's available on the NHS, Where to get vaccinated; Malaria NHS Clinical Knowledge Summaries: Travellers' diarrhoea <u>Travel Health Berlitz Pocket Guide</u> , 2 nd Edition, 2008. <u>International Travel and Health 2009 & 2010</u> , World Health Organization	HS LF MG DRH MG VF VF DRH
C. Publications	
BOOK CHAPTERS	
Hill DR. Starting, organizing and marketing a travel clinic. In: Keystone JS, Kozarsky PE, Nothdurft HD, Freedman DO, Connor BA, eds. <u>Travel Medicine</u> . 2 nd ed. Elsevier, London. 13-28, 2008.	DRH
Hill DR , Nash TE. <i>Giardia lamblia</i> . In: Mandell GL, Bennett JE and Dolin R, eds. <u>Principles and Practice of Infectious Diseases</u> , 7 th ed. Churchill Livingstone, Philadelphia, USA. 3527-34, 2010.	DRH
JOURNAL PUBLICATIONS	
Bryant N , Tucker R, Simons H , Bailey S , Mathewson J , Lea G, Hill DR . Analysis of yellow fever vaccination practice in England. J Travel Med. 15:252-8, 2008.	NB HS SB JM DRH
Gawthrop M , Ford L . Malaria in Children: bite avoidance and prophylaxis. Prescriber. 20 (17):28-36, 2009	MG LF
Herman JS, Hill DR . Advising the traveller. Medicine. 38:56-9, 2010.	DRH
Hill DR , Wilder-Smith A. Travel vaccines: current practice and future aspects. Expert Rev Vaccines. 7:527-30, 2008.	DRH

Jordan A. Scenarios from the NaTHNaC telephone advice line. Brit Travel Health J 11:31-3, 2008.	AJ
Jordan A. Scenarios from the NaTHNaC telephone advice line. Brit Travel Health J 12:36-9, 2008.	AJ
Jordan A. Scenarios from the NaTHNaC telephone advice line. Brit Travel Health J 13:26-9, 2009.	AJ
Jordan A. Scenarios from the NaTHNaC telephone advice line. Brit Travel Health J 14: 20-2, 2009.	AJ
Lalloo DG, Hill DR. Preventing malaria in travellers. Brit Med J. 336:1362-6, 2008.	DRH
Monath TP, Gershman M, Hill DR, Marano N, Staples JE, Wilder-Smith A. Yellow fever recommendations for tourists to Kenya (letter). J Travel Med. 16:146-7, 2009.	DRH
Wong CS, Field V. Malaria prevention. Gen Practice Update. 1:33-6, 2008	CW VF
Wong CS, Behrens RH. Travel health. Part 2: advising travellers visiting friends and relatives aboard. Brit J Nursing. 17:1099-1103, 2008	CW
OTHER PUBLICATIONS	
Chen L, Hill D. Vaccination for Travel. PIER® Decision Module. American College of Physicians, Philadelphia, PA. Online resource. 2008.	DRH
Simons H. TROPMEDEX Traveller's tales, Kenya 2009: highlights of a medical tour. Royal College of Nursing Travel Health Forum. Summer 2009	HS
Simons H. Expert Opinion Case 1. International Society of Travel Medicine. Professional and Education Committee. Online series. January 2010	HS
Travel Clinic Monograph. International Society of Travel Medicine. Online resource. 2009.	VF
D. Abstracts and Presentations	
Bryant N, Field V, Philpott E, Wong C, Hill DR. User activity on the National Travel Health Network and Centre website – www.nathnac.org. 2 nd NECTM. Helsinki, 21-24 May 2008.	NB VF EP CW DRH
Bryant N, Lawrence J, Jones J, Wong C, Jordan A, Simons H, Hill DR. Monitoring of international outbreaks 2004-2007, with an outbreak surveillance database. 2 nd NECTM. Helsinki, 21-24 May 2008.	NB CW AJ HS DRH
Gawthrop M, Jordan A, Wong C, Simons H, Bryant N, Field V, Lawrence J, Jones J, Hill DR. Website health information sheets as a tool for disseminating pre-travel health advice to health professionals and travellers. 2 nd NECTM. Helsinki, 21-24 May 2008.	MG AJ CW HS NB VF DRH
Skeet J, Grieve A, Boyne L, Driver C, Jordan A, Parsons D, Tracey C. The Royal College of Nursing of the United Kingdom Travel Health Forum. 2 nd NECTM. Helsinki, 21-24 May 2008.	AJ
Wong C, Bryant N, Simons H, Jordan A, Gawthrop M, Corrigan T, Hill DR. Calls to a national telephone advice service – Information from the National Travel Health Network and Centre, England. 2 nd NECTM. Helsinki, 21-24 May 2008.	CW NB HS AJ MG TC DRH
Wong C, Simons, H, Bryant N, Lawrence J, Jones J, Jordan A, Gawthrop M, Hill DR. The provision of clinical updates as a response to situations or events that impact on the health of British travellers or the advice provided by British travel health practitioners. 2 nd NECTM. Helsinki, 21-24 May 2008.	CW HS NB AJ MG DRH

Wong C, Bryant N, Simons H, Jordan A, Gawthrop M, Corrigan T, Hill D. Calls to a national telephone advice service – Information from the National Travel Health Network and Centre, England. 2 nd NECTM. Helsinki, 21-24 May 2008.	CW NB HS AJ MG TC DRH
Bryant N, Lawrence J, Jones J, Wong C, Jordan A, Simons H, Hill DR. Monitoring of international outbreaks with an outbreak surveillance database. Health Protection 2008, annual conference of the HPA, University of Warwick. England, 15-17 September 2008.	NB CW AJ HS DRH
Bryant N, Lawrence J, Jones J, Jordan A, Simons H, Hill DR. Monitoring of international outbreaks with an outbreak surveillance database. 57 th Annual Meeting of the ASTMH. New Orleans, December 2008.	NB AJ HS DRH
Bryant N, Lawrence J, Wong C, Jordan A, Simons H, Jones J, Hill DR. Monitoring international outbreaks with an outbreak surveillance database. International Society of Infectious Diseases: New Strategies in Emerging Disease Surveillance. Vienna, February 2009.	NB CW AJ HS DRH
Gilles S, Ford L. The provision of medical letters of exemption for yellow fever vaccine in 2007 at Liverpool School of Tropical Medicine (LSTM), UK. 11 th Conference of the ISTM. Budapest, 24-28 May 2009.	LF
Bryant N, Lawrence J, Wong C, Jordan A, Simons H, Jones J, Hill DR. Monitoring international outbreaks that may affect travellers. 11 th Conference of the ISTM. Budapest, 24-28 May 2009.	NB CW AJ HS DRH
Bryant N, Brownstein JS, Freifeld CC, Hill DR. Internet surveillance for international disease outbreaks and travel advice – comparing automated and manual systems. 11 th Conference of the ISTM. Budapest, 24-28 May 2009.	NB DRH
Boddington N, Field VF. Travel-associated morbidity in mission and aid workers. 11 th Conference of the ISTM. Budapest, 24-28 May 2009.	VF
D. Lectures	
Immunisation – travel vaccines; Enteric infection including travellers' diarrhoea; Malaria: Epidemiology and disease; Malaria prophylaxis – Q & A; Problem workshop on travel health. Short Course in Travel Medicine, LSH&TM. London, 7-11 April 2008.	DRH
Safety and security issues for travellers. European Conference in Travel Medicine. Rome, 16 April 2008.	VF
Overview of NaTHNaC. HPA Travel and Migrant Health National Workshop, London. 24 April 2008.	DRH
Travel Vaccines: an update Practice Nurse Training and Development, Wiseguy Training (Hampshire and Isle of Wight Primary Care). Cosham, Hampshire, 15 May 2008.	HS
Rombo L, Hill DR. Vaccinating against travellers' diarrhoea – Debate. 2 nd NECTM. Helsinki, 21-24 May 2008.	DRH
Health of the long-term expatriate. 2 nd NECTM. Helsinki, 21-24 May 2008.	VF
Travel Vaccines and malaria: workshop. Brow Medical Centre. Burgess Hill, West Sussex, 10 June 2008.	HS
NaTHNaC Country Information Pages – from 0 to 240. British Travel Health Association 10 th Annual Scientific Conference. Birmingham, 14 June 2008.	CW
Travel Health Update. Foreign and Commonwealth Office, Health Care Workers Conference. London, July 2008.	MG
Yellow Fever: an update. Health Care Worker's Conference, The Foreign and Commonwealth Office. London, July 2008.	HS MG
Travel Health Update. Health and Welfare Annual Conference, The Foreign and Commonwealth Office. London, 2 July 2008.	VF

Health issues of the long-term expatriate. Diploma in Travel Health Medicine, Royal College of Physicians and Surgeons. Glasgow, 9 September 2008.	VF
Diarrheal diseases; Immunizations for travel. Intensive Review Course in Clinical Tropical Medicine and Traveler's Health, ASTMH. Washington DC, 23-24 October 2008.	DRH
Hill DR, MacGregor M. Meet-the-Professor: Travel medicine update. 48 th Annual ICAAC/46 th Annual IDSA Meeting. Washington DC, 25-28 October 2008.	DRH
Hill DR, MacLean RD. Challenging Cases in Tropical Medicine. 48 th Annual ICAAC/46 th Annual IDSA Meeting. Washington DC, 25-28 October 2008.	DRH
Prevention of tuberculosis in travellers. MASTA Study Day. Royal College of Physicians. London, 14 November 2008.	DRH
The Practice Nurse's Guide to Travel Medicine. Primary Care Live, Manchester Central. Manchester, 19 November 2008.	CW
Parasitology Lectures. Infectious Diseases Subject Committee, UConn School of Medicine. Farmington CT, USA, December 2008.	DRH
Case scenarios and Q&A. Malaria: the facts for determining good practice. RCN Travel Health Forum/BTHA joint study day. December 2008.	CW
Travellers' diarrhoea; is there anything to do? Medical Grand Rounds, UConn Health Center, Farmington CT, USA, 4 December 2008.	DRH
Travel Vaccines: an update Practice Nurse Training and Development. Wiseguy Training (Hampshire and Isle of Wight Primary Care). Cosham, Hampshire, January 2009.	HS
Travel vaccines & the diseases they prevent. Travel and Expedition Medicine course, LSTM. Liverpool, February 2009.	CW
Surveillance and outbreaks of disease. Travel and Expedition Medicine course. LSTM. February 2009.	NB
The long-term expatriate and humanitarian aid worker. Travel and Expedition Medicine course, LSTM. Liverpool, 3 February 2009.	VF
Preventing illness in travellers; using evidence to guide practice. Royal College of Physicians Advanced Medicine Course. London, 9 February 2009.	DRH
Risk assessment in travel medicine; using evidence to guide practice. Travel Medicine: Moving Practice Forward. Royal Pharmaceutical Society. London, 12 March 2009.	DRH
Vaccines for travellers. Diploma in Travel Health Medicine. Royal College of Physicians and Surgeons. Glasgow, 24 March 2009.	DRH
Enteric infection including travellers' diarrhoea; Immunisation – travel vaccines; Malaria prophylaxis – Q & A; Problem workshop on travel health. Short Course in Travel Medicine. LSH&TM. London, 30 March - 3 April 2009.	DRH
Epidemiology of travel-associated infectious diseases in Europe, 2008. EuroTravNet Annual Symposium, ECDC. Stockholm, 23 April 2009.	VF
The long-term expatriate. Danish Travel Medicine Society Short Course. Copenhagen, 28 April 2009.	VF
Defining yellow fever risk in endemic countries. 11 th Conference of the ISTM. Budapest, 24-28 May 2009.	DRH
Nancy Piper-Jenks, Hilary Simons . Setting Standards in Travel Medicine Practice. Workshop. 11th Conference of the ISTM. Budapest, 26 May 2009.	HS
Travel Health Update. Health and Welfare Annual Conference, The Foreign and Commonwealth Office. London, 1 July 2009.	VF
Travel and its influences on infectious diseases dynamics. Fur, feathers and fever – zoonotic challenges of the 21 st century. Society for Applied Microbiology, Summer Conference. Manchester, 9 July 2009.	DRH

Hill DR, White AC. Interactive Cases in Tropical Medicine. 49 th Annual ICAAC Meeting. San Francisco, 12-15 September 2009.	DRH
Update on management of giardiasis. 49 th Annual ICAAC Meeting. San Francisco, 12-15 September 2009.	DRH
The new UK Yellow Book. Travel Health Forum Annual Conference, Royal College of Nursing. London, 19 September 2009.	VF
Travel Vaccines. Halton and St Helens PCT. Haydock Park Racecourse, 30 September 2009.	CW
Travel Vaccines: an update Practice Nurse Training and Development. Wiseguy Training (Hampshire and Isle of Wight Primary Care). Cosham, Hampshire, October 2009.	HS
Hill DR, Moore TA. Challenging cases in tropical infectious diseases. 47 th Annual IDSA Meeting, Philadelphia, 29 October – 1 November 2009.	DRH
Hill DR, MacGregor M. Meet-the-Professor: Update on travel medicine. 47 th Annual IDSA Meeting, Philadelphia, 29 October – 1 November 2009.	DRH
Yellow fever vaccination centre, standards and regulation. Irish Society of Travel Medicine. Dublin, 7 November 2009.	DRH
Malaria & Japanese encephalitis workshop, BTHA annual conference, London, 28 November 2009.	CW
Yellow fever epidemiology update; Malaria & Japanese encephalitis workshop. British Travel Health Association Annual Conference. 28 November 2009	HS
Yellow fever update. MASTA Travel Medicine Study Day. London, 4 December 2009.	HS
Travel and the spread of infectious diseases. Medical Grand Rounds, UConn Health Center. Farmington CT, USA, 10 December 2009.	DRH
Travel and the spread of infectious disease. Public Health Lecture Series, Williams College. Williamstown MA, USA, 14 January 2010.	DRH
Enteric infection and travellers' diarrhoea. Travel and Expedition Medicine course, LSTM. Liverpool, 22 February 2010.	DRH
Travel scenarios. Travel and Expedition Medicine course, LSTM. Liverpool, 23 February 2010.	HS
Travel vaccines & the diseases they prevent, Travel & Expedition Medicine course, LSTM. Liverpool, 24 February 2010.	CW
Travel health workshop – personal protection, Travel & Expedition Medicine course, LSTM. Liverpool, 25 February 2010.	CW
The new UK Yellow Book. Oxford Vaccine Group Annual Conference. Oxford, 4 March 2010.	VF
Vaccines for travellers. Diploma in Travel Health Medicine. Royal College of Physicians and Surgeons. Glasgow, 25 March 2010.	DRH
F. Education and Training	
London School of Hygiene and Tropical Medicine Co-Director, Short Course on Travel Medicine: LSH&TM 16-20 April 2007 Co-Director, Short Course on Travel Medicine: LSH&TM 30 March – 3 April 2009 Lecturer and tutor in MSc in Tropical and Infectious Diseases Lecturer in Diploma in Tropical Medicine and Hygiene course	DRH
Yellow Fever Vaccination Centre Training Seminars, April 2008 – March 2010.	CW AJ HS MG

UConn School of Medicine. Guest lecturer in parasitology and tropical medicine. Farmington CT, USA, December, 2008 & 2009.	DRH
RCN Travel Health Forum/BTHA joint study day – Malaria: the facts for determining good practice. 8 December 2008	CW
Yellow Fever Vaccination Centre Training Seminars (Associate Trainer Update). January 2009 & January 2010	HS MG CW AJ DRH
Short Course Organiser, Global Health. Williams College, Williamstown MA USA, January 2009 & January 2010.	DRH
LSTM Course organiser and lecturer, Travel and Expedition Medicine course: 2 – 6 February 2009 & 22 – 26 February 2010	LF
Organiser, Nets and Bolts. LSHTM, for the Faculty of Travel Medicine (Glasg). 7 April 2009.	VF
Organiser, Nets and Bolts. LSTM, for the Faculty of Travel Medicine (Glasg). 19 June 2009	CW
G. New Initiatives	
Patient Group Direction Initiative. Proposal for an amendment in the Medicines Act 1968 and NaTHNaC Patient Group Direction Survey 2010.	LF HS DRH
Collaboration with US Centers for Disease Control and Prevention on yellow fever training.	DRH HS
Collaboration with the World Health Organization on Yellow Fever Geographic Risk and International Travel	DRH
Development of student public health/travel medicine elective at NaTHNaC	DRH



NaTHNaC Business Plan – 2010-2011

Key:

NJB – Nicholas Beeching	LF – Lisa Ford	SW – Sarah Wisniewski
GB – Graham Bickler	DRH – David Hill	VS – Valerie Smith
YI – Yetunde Ibitoye	WE – Will Elson	CW – Claire Wong
DJ – Daiga Jermacane	JJ – Jane Jones	
PLC – Peter Chiodini	AJ – Alexandra Jordan	MRL – Malaria Reference Laboratory
TC – Terence Corrigan	JL – Joanne Lawrence	TSO – The Stationery Office
VF – Vanessa Field	JM – John Mathewson	HPS – Health Protection Scotland
GO – Geraldine Oliver	HS – Hilary Simons	

<u>NaTHNaC OBJECTIVES</u>	<u>KEY TASKS</u>	<u>TARGET DATE for completion</u>	<u>LEAD</u>	<u>COSTS – set-up and operating</u>	<u>HPA GOAL</u>
<u>NaTHNaC Staff and Centre</u>					
Staffing levels	<ul style="list-style-type: none"> Continue to employ all current NaTHNaC staff Develop job descriptions for administrative support post Employ temporary staff as needed to cover work load 	Ongoing August 2010 Ongoing	JM GO DRH	Continue to manage costs for each position within budget	Goals 9, 10 & 12
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 	June – Aug 2010 Ongoing June 2010	DRH GO JM HS All		Goal 9
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 Integrate suggestions from Advisory Group into action 	April 2010 Quarterly Ongoing review	GB SW JM DRH DRH		Goals 4, 13 & 14
NaTHNaC – UCLH NHS Foundation Trust relationship	<ul style="list-style-type: none"> Enhance relationships and develop procedures for efficient working between NaTHNaC and Finance, Payments, Human Resources, Communications and IT departments of UCLH 	Ongoing 2010	SW GO JM DRH		Goals 9, 10, 11 & 13

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 • Attendance and presentations at relevant conferences/ meetings/training events • Publicise the UK Yellow Book 	Ongoing 2010	JM GO DRH HS	Partnership with other campaigns where goals overlap	Goals 10, 11, 12 & 14
NaTHNaC accommodation	<ul style="list-style-type: none"> • NaTHNaC will need to vacate its current space at 250 Euston Road, 5th floor west, as The Doctor's Laboratory (from which NaTHNaC rents its space) consolidate their cytopathology services. • We have secured new space in the same building, 5th floor central 	Summer 2010	GO JM	Moving costs to be covered by UCLH	

1. To develop consistent and authoritative national guidance					
Yellow Book Publication	<ul style="list-style-type: none"> • Publish, promote and distribute Yellow Book • Provide copy to all YFVCs in England, Wales and Northern Ireland 	June 2010	VF DRH GO JM	Publication costs matched by advance sales	Goals 10 & 12
Country Information Pages (CIP)	<ul style="list-style-type: none"> • Review and update all content on CIPs 	Summer 2010	WE DJ DRH CW VF	Recurrent website costs of £15,000	Goals 7, 10 & 12
Enhance website content for travellers	<ul style="list-style-type: none"> • Review current content on travellers side • Rewrite Key health information sheets for traveller patient information leaflets • Review content on travellers' side of website • Utilise and link to existing resources, e.g. the FCO, Know Before You Go and travel industry 	Winter 2010-2011	MG HS DRH VF Clinical staff	Incorporate into a revision of website costs	Goals 11, 12, 13 & 14
Links/representation on key national advisory committees	<ul style="list-style-type: none"> • Advisory Committee on Malaria Prevention • Joint Committee on Vaccination and Immunisation • London Malaria Group • Faculty of Travel Medicine, RCPS (Glasgow) 	Ongoing	DRH DRH DRH JJ JL VF		Goals 10, 11, 12, 13 & 14
Interactions between the HPA Malaria Reference Laboratory, the ACMP and NaTHNaC	<ul style="list-style-type: none"> • Regular information sharing • Development of advice protocols • Write and web-publish FAQs on malaria • Review, agree and develop malaria risk maps 	Ongoing	DRH VF JJ PLC HPS	Cost malaria map production	Goals 10, 11 & 12

Mobile applications	<ul style="list-style-type: none"> To pursue development of mobile applications (e.g. iPhone and Blackberry apps) for country information and other NaTHNaC web resources 	Summer/Autumn 2010	JM DRH	Costs to be underwritten and developed if proposals accepted	Goals 10, 11 & 12
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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 WE VF CW HS DRH		Goals 7, 10 & 12
National advice line for health professionals	<ul style="list-style-type: none"> Provide daily advice to health professionals on complex queries Outsource and enter all advice line information into database 	Ongoing August 2010	MG AJ HS CW TC VF LF DRH	£5,000 to outsource the data entry	Goal 10
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 Clinical Staff		Goals 4, 7, 10, 12 & 14

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 and Northern Ireland and produce regular information on results Identify and implement measures to improve and expand systems 	All ongoing	JJ JL for all		Goals 4, 7, 8 & 11

	<ul style="list-style-type: none"> 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 Produce a special focus report on travel-associated gastrointestinal disease 	September 2010			
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		Goals 4, 7, 10, 12 & 14
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		Goals 4 & 8
Surveillance of imported malaria	<ul style="list-style-type: none"> Coordinate with London Area Malaria Group Improve completeness of data, especially postcodes 	Ongoing Ongoing	DRH JJ JL		Goal 7
Feedback of malaria surveillance results	<ul style="list-style-type: none"> Supply quarterly and annual data from MRL to NaTHNaC via TMHS according to agreed publication schedule Improve epidemiological content of HPA malaria pages 	Ongoing	PLC VS JL		Goals 7 & 11

4. To administer Yellow Fever Vaccination Centres in England, Wales and Northern Ireland				YFVC registration fees	Goals 1, 4, 10, 11 & 13
YFVC programme of registration, training, standards and audit	<ul style="list-style-type: none"> Maintain and review programme. YF committee (HS AJ GO YI JM DRH) meets every two months. 	Ongoing	HS AJ JM GO YI DRH	Registration fees cover admin costs	
Central database for YFVCs	<ul style="list-style-type: none"> Review database and make changes to more closely meet our needs for data capture 	Autumn 2010	GO YI TSO		
YFVC training programme	<ul style="list-style-type: none"> Assess 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 our training of renewal centres 	Ongoing January 2011 Winter 2010 Winter 2010	HS AJ HS GO DRH HS HS DRH JM	Costs of training are covered by training fees	
International Certificate of Vaccination or	<ul style="list-style-type: none"> Continue printing and distribution of ICVPs with YF vaccine orders. 	Ongoing	GO JM		

Prophylaxis (ICVP)	<p>The distribution of YFVCs with vaccine orders is handled by Sanofi Pasteur MSD.</p> <ul style="list-style-type: none"> Establish an online shop for purchase of the International Certificate of Vaccination or Prophylaxis additional to those supplied by Sanofi Pasteur MSD with vaccine orders. 	June 2010	JM		
Assessment and Audit (AA) instrument for YFVCs	<ul style="list-style-type: none"> Implement an online AA for YFVCs Establish a system for reviewing and following-up on each YFVC's AA. 	Summer 2010	JM HS AJ GO DRH	Costs of AA evaluation process to be determined	
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"> Hold twice yearly meetings of Advisory Group Action outcomes of the meetings 	May/November 2010	DRH VF HS JM NJB GO		Goals 10 & 11
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		Goals 11, 12 & 14
Private sector	<ul style="list-style-type: none"> Hold relevant meetings with pharmaceutical and tourism (both travel and insurance) industry 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 VF		Goal 11
Global travel health advisory bodies	<ul style="list-style-type: none"> Partner with US CDC over yellow fever training Collaborate with WHO on yellow fever geographic risk determination Partner with EuroTravNet on travel medicine in Europe 	Ongoing	DRH HS VF		Goals 11, 12 & 14

6. To facilitate training of health care and other personnel					
Training for health professionals	<ul style="list-style-type: none"> Continue and update the YF training programme Work with NaTHNaC Associate Trainers to deliver YF training modules Adapt the US CDC online training for renewing YFVCs for UK use 	Ongoing	HS AJ GO VF DRH CW	Explore costs associated with online	Goals 10 & 13

	<ul style="list-style-type: none"> Consider and develop NaTHNaC training in other areas of travel health, e.g. risk assessment, vaccination and malaria 			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 2010	DRH		Goal 10
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		Goals 9 & 10
Mentor trainees	<ul style="list-style-type: none"> GP trainee at NaTHNaC to gain knowledge and experience in travel medicine Continue to have elective medical students spend a month learning public health aspects of travel medicine 	April-June 2010 Ongoing	WE DRH DRH		Goals 9 & 10

7. To define short-term and long-term research priorities					
Disease risk by country	<ul style="list-style-type: none"> Review and update disease risk by country using best available evidence and contacting global health bodies (e.g. WHO, European Centre for Disease Prevention and control (ECDC), and CDC as necessary Participate with WHO, CDC, Oxford University and other global advisory bodies on defining yellow fever risk areas 	Ongoing	WE DJ CW HS VF DRH DRH		Goals 4 & 8
Yellow fever geographic risk	<ul style="list-style-type: none"> Collaborate with WHO to define the geographic risk areas for yellow fever 	Winter 2010	DRH		Goals 8 & 14
Health outcomes	<ul style="list-style-type: none"> Analyse survey of YFVCs (performed summer 2009) to assess if implementation of the NaTHNaC programme for centres has resulted in changes to practice and how a change in standard has affected patient care 	Summer 2010	NBo HS DRH		Goals 8, 10 & 13
Outbreak Surveillance Database (OSD)	<ul style="list-style-type: none"> Review inputs to the OSD over the last five years to determine: key global health events; discrepancies between official public health reporting and other reporting sources; usefulness of system to alert public, health professionals and stakeholders to outbreaks. 	October 2010	NB DRH		Goals 7 & 8
Advice line	<ul style="list-style-type: none"> Review, analyse and present information on NaTHNaC advice line from 2004-2008 Publish information 	October 2010 June 2011	CW DJ TC DRH NBo		Goal 8

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.

Health Protection Agency Goals

- Goal 1 Reducing the incidence and consequences of infection.
- Goal 2 To protect against the adverse health effects of acute and chronic exposure to chemicals, poisons and other environmental hazards.
- Goal 3 To improve protection against the adverse effects of exposure to ionising and non-ionising radiation.
- Goal 4 To protect against new and emerging disease and health threats.
- Goal 5 To protect and improve the health of children.
- Goal 6 To improve preparedness of responses to health protection emergencies including those caused by deliberate release.
- Goal 7 To strengthen information and communications systems for identifying and tracking diseases and exposures to infectious chemical and radiological hazards.
- Goal 8 To build and improve the evidence base through a comprehensive programme of research and development.
- Goal 9 To develop a skilled and motivated workforce.
- Goal 10 To manage knowledge and share expertise.
- Goal 11 To build on and develop the intellectual assets of the organisation in partnership with industry and other customers, in order to better protect the public.
- Goal 12 To raise the understanding of health protection and involvement of the public and ensure they have access to authoritative, impartial and timely information and advice.
- Goal 13 To strengthen health protection at local and regional levels.
- Goal 14 To contribute to UK international health objectives and to global health.

YEAR-END FINANCE REPORTS: Income & Expenditures

NaTHNaC receives operating funds from three sources:

- The Health Protection Agency (HPA). The HPA negotiates core funding for NaTHNaC on an annual basis. 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 Yellow Fever Vaccination Centres (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.

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

2008 - 2009

INCOME

<i>Annual Core Funding (HPA)</i>	<i>473,704</i>
<i>YFVC Registration Fees (2008-2009)</i>	<i>111,546</i>
<i>YFVC Training Fees</i>	<i>166,325</i>
<i>Carried forward from 2007/2008</i>	<i><u>309,857</u></i>

Total Income ***1,061,432***

EXPENDITURES

<i>Staff Costs</i>	<i>561,804</i>
<i>Overheads: UCLH</i>	<i>36,596</i>
<i>Liverpool</i>	<i>24,959</i>
<i>YFVC Training Costs</i>	<i>98,763</i>
<i>Rent, Rates, Utilities</i>	<i>104,362</i>
<i>Project Work & General Expenditure</i>	<i><u>89,110</u></i>

Total Expenditure ***915,594***

Carry forward to 2009-2010

*YFVC Registration fees ** ***145,838***

Total Expenditure & Carry Forward ***1,061,432***

* 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).

2009 – 2010

INCOME

Annual Core Funding (HPA)	485,547
YFVC Registration Fees (2009-2010)	367,752
YFVC Training Fees	85,761
Carried forward from 2008/2009	145,838
Grants: HPA	30,000
Other	14,681

Total Income **1,129,579**

EXPENDITURES

Staff Costs	586,321
Overheads: UCLH	48,555
Liverpool	26,822
YFVC Training Costs	48,313
Rent, Rates, Utilities	96,108
Project Work & General Expenditure	78,211

Total Expenditure **884,330**

Carry forward to 2010-2011

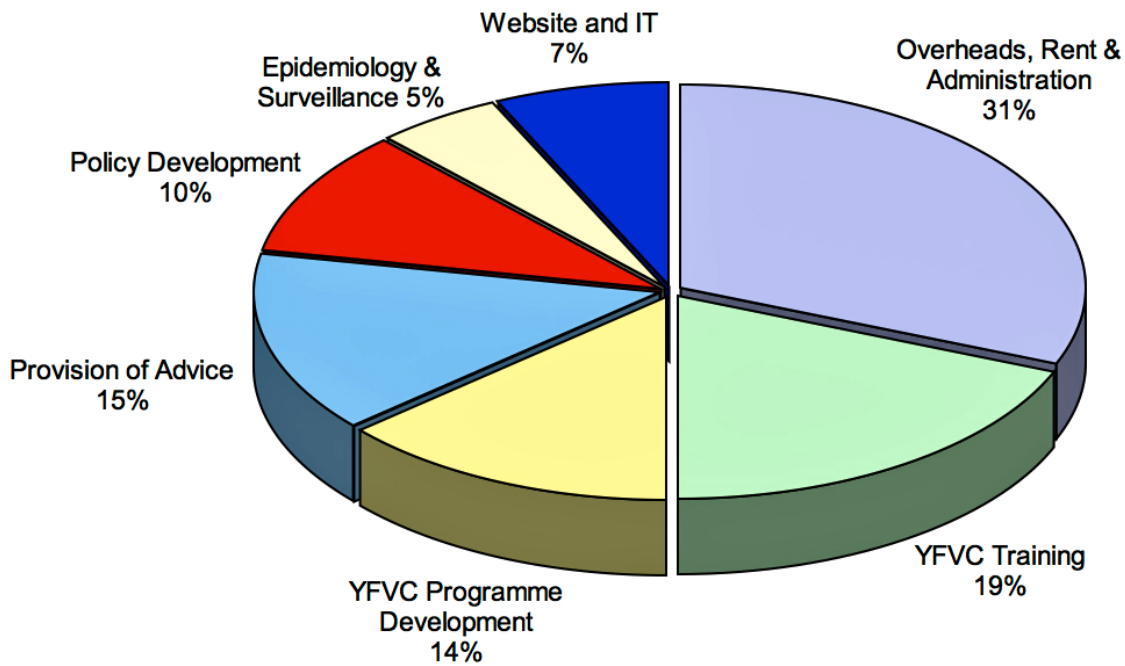
YFVC Registration fees * **245,249**

Total Expenditure & Carry Forward **1,129,579**

* 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: 2008 - 2010

This chart illustrates the allocation of funding during 2008-2010 towards the major objectives of NaTHNaC.



BUDGET: 2010-2011

INCOME

<i>Annual Core Funding (HPA)</i>	<i>468,188</i>
<i>YFVC Registration Fees (2010-2011)</i>	<i>78,079</i>
<i>YFVC Training Fees</i>	<i>188,500</i>
<i>Carried forward from 2009/2010</i>	<i>245,249</i>
<i>Yellow Book Sales</i>	<i>30,000</i>

Total Income **1,010,016**

EXPENDITURES

<i>Staff Costs</i>	<i>574,223</i>
<i>Overheads: UCLH</i>	<i>46,818</i>
<i>Liverpool</i>	<i>27,415</i>
<i>YFVC Training Costs</i>	<i>115,000</i>
<i>Rent, Rates, Utilities</i>	<i>85,000</i>
<i>Project Work & General Expenditure</i>	<i>73,015</i>

Total Expenditure **921,471**

Carry forward to 2011-2012

YFVC Registration fees * **88,815**

Total Expenditure & Carry Forward **1,010,286**

* 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

National Travel Health Network and Centre (NaTHNaC)
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www.nathnac.org



University College London Hospitals **NHS**
NHS Foundation Trust