

The National Travel Health Network and Centre (NaTHNaC)

Annual Report

2007 - 2008





CONTENTS

Contents	1
Executive Summary	2
NaTHNaC Objectives	3
NaTHNaC Personnel	8
Outputs 2007-2008	10
Business Plan 2008-2009	16
Year-end Finance Report	25

EXECUTIVE SUMMARY

November 2007 marked two milestones in the life of NaTHNaC. First, we passed our five year anniversary. Indeed, it was only five years ago that the first NaTHNaC staff were hired and began working in the crowded basement office of the Hospital for Tropical Diseases. Led at that time by Dr Gil Lea as our consultant and Rose Tucker as the Senior Nurse, the small team worked tirelessly to develop our advice line protocols and lay the groundwork of excellence that we have continued to follow. Dr Jane Jones and Jo Lawrence also began their work in what was then known as the Public Health Laboratory Service in Colindale, gathering data on imported infections to help inform our advice to travellers. From small beginnings NaTHNaC has moved from strength to strength.

The second important event was the official launch of the Country Information Pages and Outbreak Surveillance Database on our website. These two resources dramatically expand the range of advice on our website and now make it a 'one-stop shop' for evidence based, country-specific travel health advice and real-time information on all global health events of importance to British travellers. Combined with our Clinical Updates that interpret important health events for travellers and health professionals, the NaTHNaC website comprehensively presents information for both travellers and health professionals.

Other major accomplishments:

- The NaTHNaC Yellow Fever Vaccination Centre (YFVC) programme entered its third year with several exciting developments.
 - NaTHNaC agreed and printed the new International Certificate of Vaccination or Prophylaxis as required under the International Health Regulations (2005) that came into force 15 June 2007. 500,000 certificates were printed and distributed to more than 3,500 YFVCs by the end of October 2007.
 - Northern Ireland joined our programme in October 2007.
 - An entirely revised content and slides for our training was written and put into place for January 2008.
- With the addition of both our Country Information Pages and Outbreak Surveillance Database the NaTHNaC website received an increase in traffic of more than 30% from increasingly diverse regions of the world. Fifty-three percent of our website traffic comes from outside the UK.
- We revised and updated 25 Health Information sheets, posted 74 Clinical Updates that reviewed important global health events, and added 1,890 entries to the Outbreak Surveillance Database and answered 8,687 telephone queries from health professions.
- Several important NaTHNaC personnel advancements were made. Dr Vanessa Field was promoted to Associate Specialist in Travel Medicine. We believe that Dr Field is the only Associate Specialist in Travel Medicine in the UK! Hilary Simons was promoted to Senior Nurse with the remit of coordinating the activities of the nursing staff. Naomi Bryant was promoted to Senior Information Analyst in recognition of her increasing remit for the scientific aspects of NaTHNaC.
- NaTHNaC underwent an important review of its work and goals during the Advisory Group meeting in November.

The plans for the next year are outlined in the NaTHNaC Business Plan (page 16) and are summarised:

- Implement and action the review plan for NaTHNaC as developed from the guidance of the Advisory Group.
- Publish the completely revised *Health Information for Overseas Travel*, known as the 'Yellow Book'.
- Review and enhance the content of Country Information Pages.
- Introduce an Assessment and Audit instrument for existing Yellow Fever Vaccination Centres.
- Enhance stakeholder links to determine risk of disease during travel including an improved mapping of the risk of yellow fever.

We are committed to working with stakeholders within the UK and the world to further our goal of '*Protecting the Health of British Travellers*'.

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 2007-2008 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.

- The Country Information Pages (CIPs) were finalized and went live on the NaTHNaC website from 1 November 2007. They represent more than 4,000 individual evidence-based decisions made for the recommendations and guidance on each of sixteen diseases or health risks for 244 countries, territories or areas in the world. While particular thanks go to Dr Vanessa Field and Claire Wong for clinical input, and Naomi Bryant and Stella Bailey for the web development, each member of the team made important contributions along the way.
- The Outbreak Surveillance Database (OSD) is a unique collation and description of global health events. It is updated daily, thereby providing real-time information about potential threats to UK travellers. As it is linked to the CIPs it becomes an important complement to them. The information can be retrieved and sorted by country, disease and time period. To date, there is no similar resource produced by any health authority in the world.
- Key membership positions on the following committees:
 - HPA Advisory Committee on Malaria Prevention (ACMP)
 - Joint Committee for Vaccination and Immunisation (JCVI), Department of Health
 - Travax Advisory Board of Health Protection Scotland
 - London Area Malaria Group which has the goal of decreasing the burden of malaria in London travellers
 - Tropical Medicine Study Group of the Defence Medical Services
 - Foreign and Commonwealth Office, Consular Stakeholder Panel
 - British Travel Health Association
 - Royal College of Nursing Travel Health Forum
 - Faculty of Travel Medicine Board, Royal College of Physicians and Surgeons (Glasg)

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

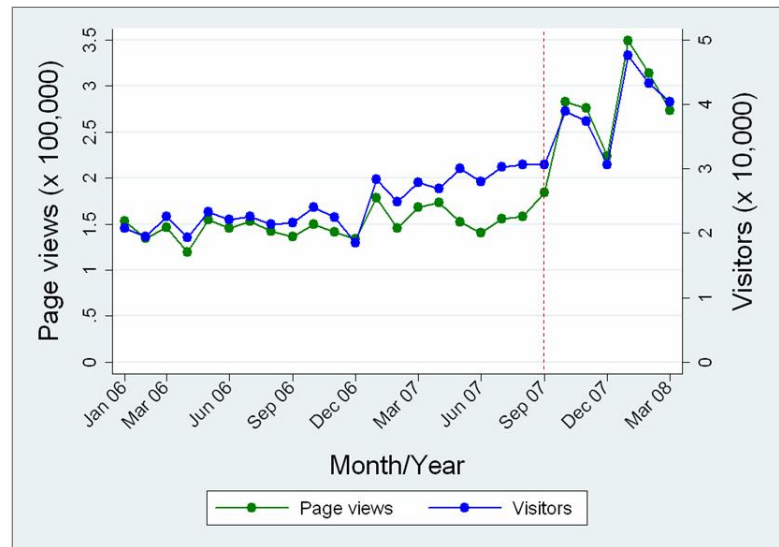
- Ongoing review of clinical queries that come through the advice line, with the goal of developing evidence-based policy to deal with them and information for posting on the website in the form of frequently asked questions.

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

- The NaTHNaC national advice line provides valuable guidance to travel health professionals throughout the UK. From 1 April 2007 to 31 March 2008, 8,687 calls were taken. The technology for handling calls required upgrading, therefore a capital bid was made to the Health Protection Agency (HPA). The bid was approved and the new system put in place in February 2008. This service improves the reliability of the line, allows multiple advisers to take calls simultaneously in the event of a public health emergency, provides increased efficiency in dealing with calls that are waiting, and allows remote access in the event that advisors are not able to get into central London. We are confident that these improvements will further enhance our service to health professionals.
- The NaTHNaC 'Clinical Updates' are a key feature of the website as they alert health professionals and travellers to important global health events and advances in travel medicine. In the last year 74 updates were posted. Since January 2008, many of them have dealt with the rapidly changing

situation of yellow fever in Brazil, Paraguay and Argentina. The NaTHNaC clinical updates are now distributed widely to stakeholders throughout the UK and the world.

- With the CIP and OSD coming on-line, there was a marked increase in usage of the website. The graph to the right demonstrates this growth in the period before and after the pages went live (the unofficial launch date was mid-September 2007). The number of visitors to the site increased from an average of 29,000 per month in the six months before the launch to 38,000 per month following the launch. Page views also increased from an average of 161,000 per month to 286,000 per month.



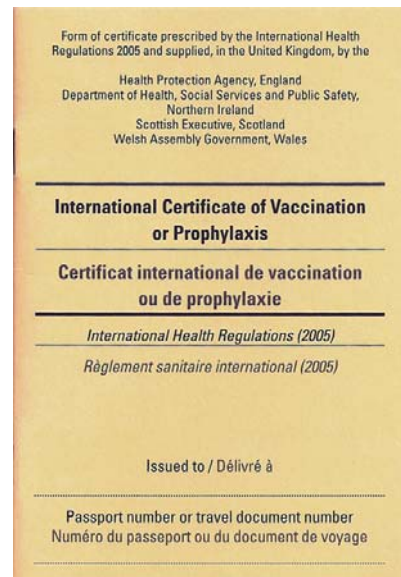
Objective 3: To carry out surveillance of infectious and non-infectious hazards abroad, producing accessible regular outputs of such surveillance.

- The Travel and Migrant Health Section (TMHS) of the Health Protection Agency's Centre for Infections leads on surveillance of infections in travellers. It provides NaTHNaC with day to day epidemiological support and contributes to the evidence base for travel advice.
- *Foreign travel-associated illness. England, Wales and Northern Ireland – 2007 report*, was published in November 2007 and presented data on foreign-travel associated illness for 2004 and 2005. Quarterly reports on imported infections were published in the *Health Protection Report (HPR)*. TMHS also produced ad hoc reports for the HPR as required.
- The HPA pilot study of enhanced surveillance of typhoid and paratyphoid infections in England, Wales and Northern Ireland commenced in May 2006 and was completed in April 2007. The final report was published on-line by TMHS in April 2008. The analysis indicates that most enteric fever is acquired in south Asia by persons of south Asian birth or descent who are visiting their family and relatives in the region (VFR travellers). It is planned to continue enhanced surveillance of enteric fevers.
- TMHS produced regular contributions to the HPR and *Eurosurveillance Weekly* (both on-line publications).
- TMHS has provided ongoing support to the development of the Outbreak Surveillance Database and contributes to the NaTHNaC clinical updates in response to international events.
- The HPA has been designated the UK National Focal Point for communications with the World Health Organization (WHO) on International Health Regulations (IHR) matters. Dr Jane Jones, Head of TMHS, leads for the HPA on implementation of the IHR. The close working relationship between TMHS and NaTHNaC ensures that international information from WHO that is important for travellers is communicated appropriately.
- Dr Barry Walsh, Consultant in Communicable Disease Control and Director of the southwest London Health Protection Unit was seconded 0.3 wte to TMHS from 15 March 2007 to 15 September 2007. This secondment helped to strengthen the working relationships between the Centre for Infections and Local and Regional Services on travel-related issues within the HPA. During the secondment Dr Walsh performed a survey of Health Protection Units to determine their involvement, knowledge and reporting of travel-related infections, and of the role of NaTHNaC in travel health. The results of this work will help to provide a basis for moving forward in this enhanced relationship.

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 third year and has become both a UK and a global model for standard setting in travel medicine.

- On 15 June 2007 the new International Health Regulations (IHR 2005) came into force. IHR 2005 were approved by the World Health Assembly in 2005 and are an important step in the global prevention of public health emergencies. With the introduction of IHR 2005 there was a change to the official certificate used to record yellow fever vaccine. This new 'International Certificate of Vaccination or Prophylaxis' (ICVP) will be used for yellow fever and for any other vaccine or prophylaxis that WHO deems necessary to help control the spread of infectious diseases across international borders. Currently, only yellow fever vaccination is to be recorded. NaTHNaC reviewed the WHO model certificate and adapted it for use in the UK, reaching agreement on its design with each of the UK health bodies. 500,000 certificates were printed and distributed free of charge to YFVCs. Going forward, Sanofi Pasteur MSD (currently the sole manufacturer of yellow fever vaccine in the UK) has agreed to distribute certificates with orders of yellow fever vaccine. YFVCs can also continue to order certificates through the NHS Response Line.



- The entire NaTHNaC yellow fever training package was revised and then reprinted for its launch in January 2008. NaTHNaC has now trained more than 5,000 individuals. Each training session has been formally evaluated by the delegates and this constructive criticism was used to enhance and improve the training materials. The training materials include a delegate pack, a trainer's pack and PowerPoint slide sets. The delegate pack contains the rationale for the programme, programme notes, learning objectives, and copies of the slides for each lecture, and helpful resources that may be used in the consultation by a practising YFVC. The trainer's pack has all of these items, plus individual slide notes detailing the evidence, and reprints of the key supporting articles.
- The success of the programme can be seen in the renewal rates for centres and in the acceptance of the programme by health bodies in the UK. Of 2,796 centres due for renewal in September 2007, 2,642 (94%) had renewed their registration by December 2007.
- In October 2007, Northern Ireland joined England and Wales in the NaTHNaC programme, and Health Protection Scotland adopted and adapted our programme for the registration of YFVCs in Scotland. Lastly, all YFVCs within the Defence Medical Services came under the registration and designation process of NaTHNaC in July 2007. Thus, the entire UK now has a unified programme for YFVCs.
- Sanofi Pasteur MSD has been an important partner in helping to assure that only registered YFVCs can administer yellow fever vaccine. They instituted a policy in March 2007 that only registered centres would be able to purchase vaccine. This assures that all centres must have completed the NaTHNaC programme (including training) before giving the vaccine.
- Preliminary discussions were held with the US Centers for Disease Control and Prevention on adapting the NaTHNaC programme for YFVCs to a US programme of training. This is a very exciting development that recognises our efforts.
- As of 31 March 2008 there were:
 - 2,982 YFVCs in England
 - 96 YFVCs in Wales
 - 44 YFVCs in Northern Ireland

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.

- One of the key ways for NaTHNaC to engage with stakeholders is via the Advisory Group. This group provides important feedback on the work of NaTHNaC and acts as a valuable sounding board for future plans. The group meets twice yearly and 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. At the November meeting the Advisory Group focused on a review of NaTHNaC's work in light of its goals and objectives with the intent of confirming the current work of NaTHNaC and making suggestions on the focus for the next several years.

Important outcomes of this included:

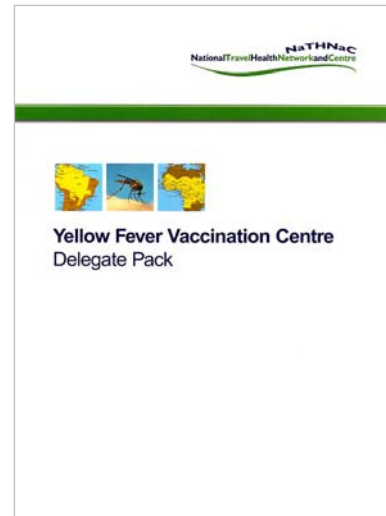
- The need for NaTHNaC to improve its media and marketing presence.
- Consideration of NaTHNaC as a centre of excellence for research, guidance and opinion in travel medicine.
- NaTHNaC as a focal point for communicating travel health messages and partnering with stakeholders, particularly the Foreign and Commonwealth Office (FCO), the travel industry, and health protection units, to promote these messages.
- Revising and enhancing the website content for travellers.
- Expanding training in yellow fever to other aspects of travel medicine.
- Developing research into: understanding how the traveller makes decisions about pre-travel health preparation; communication and behaviour change; improving the evidence base for risk assessment.

These will be considered by the NaTHNaC Steering Committee and the Senior Management group to prioritise areas for moving forward.

- NaTHNaC continues to work closely with the FCO to provide health advice to travellers.
 - The daily NaTHNaC Outbreak Surveillance Brief is sent to the FCO.
 - NaTHNaC reviewed the health information on each of the FCO country pages and helped to focus on key messages and disease outbreak reports for each page.
 - Each NaTHNaC CIP links to the corresponding FCO country page, so that combined, the two sites provide a complete picture for the traveller and health professional: safety and services for British travellers abroad on the FCO site and health recommendations on the NaTHNaC site.
- Dr Vanessa Field and Prof. David Hill contributed to the revision of the 2008 edition of the World Health Organization's travel medicine guidance book: *International Travel and Health*.
- Prof. David Hill was a member of an expert panel convened by the US Centers for Disease Control and Prevention (CDC) in Atlanta in April 2007, to review and make recommendations to the CDC's travel health team that sits within the Division of Global Migration and Quarantine. Many of the challenges faced by CDC are also ones that NaTHNaC has faced and is currently dealing with. The CDC expressed much interest in the NaTHNaC programme for YFVCs and will be meeting with NaTHNaC to discuss our programme further and how it could be adapted for use in the US.
- Dr Vanessa Field continues as a member of the Board of the Faculty of Travel Medicine (RCPS Glasgow) contributing to all deliberations of the Faculty and particularly to education.

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.

- In the last year NaTHNaC presented our YFVC training module to 1,118 health professionals in 45 training sessions throughout England, Wales and Northern Ireland. We are indebted to our team of Associate Trainers who partner with us to deliver our yellow fever training module. As indicated earlier, we have completely revised the content by incorporating new knowledge and responding to the helpful evaluations of the delegates.
- NaTHNaC provided leadership on the Scientific Committee for the 10th Conference of the International Society of Travel Medicine held in Vancouver, Canada in May 2007. NaTHNaC is also represented on both the organising and scientific committees of the second Northern European Conference on Travel Medicine which will be held in Helsinki in May 2008.
- 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, directed the Travel and Expedition Medicine course at the Liverpool School of Tropical Medicine In February.
- Each member of the NaTHNaC clinical team and TMHS staff was active in teaching and delivering lectures at several conferences both within the UK and internationally (see the Outputs section, p. 10).
- All clinical staff teach on the YFVC training days for new centres throughout England, Wales and Northern Ireland.
- NaTHNaC is a partner with the US Centers for Diseases Control and Prevention to develop a US programme of education in yellow fever vaccination.



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

- NaTHNaC continues to have a steady output of reviews, chapters, and primary articles published in the medical literature (see the Outputs section, p. 10).
- Several papers were presented at the 10th Conference of the International Society of Travel Medicine held in Vancouver, Canada in May 2007, and several others have been accepted for presentation at the Northern European Conference on Travel Medicine to be held in Helsinki in May 2008.
- Current studies in progress:
 - An analysis of the practice of YFVCs in England has been accepted for publication by the Journal of Travel Medicine.
 - All calls (more than 35,000 calls!) to the NaTHNaC advice line from January 2004 to June 2007 are being reviewed. This will help to inform our advice on the website and to develop training and information initiatives in travel medicine.
 - Collaboration has been established with Oxford University to accurately determine risk areas for yellow fever infection during travel to South America and Africa.

NATHNaC PERSONNEL

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
Prof. David Schellenberg	London School of Hygiene and Tropical Medicine
Dr David Lalloo	Liverpool School of Tropical Medicine
Prof. David R Hill	NaTHNaC
Jo Hunter	University College London Hospital NHS Foundation Trust
Dr Ailsa White	Department of Health
Dr Mike Catchpool	Centre for Infections, Health Protection Agency
Dr Graham Bickler	Health Protection Agency

NaTHNaC Staff: 2007-2008

Prof David R Hill	Director
Dr Vanessa Field	Physician, Associate Specialist in Travel Medicine, London
Hilary Simons	Senior Nurse, Liverpool
Claire Wong	Specialist Nurse Adviser, Liverpool
Alexandra Jordan	Specialist Nurse Adviser, London
Mary Gawthrop	Specialist Nurse Adviser, London
Dr Lisa Ford	Physician, Travel Health Adviser, Liverpool
Naomi Bryant	Senior Information Analyst, London
Emma Philpott	YFVC Administrator, London
Terence Corrigan	Data Manager, London
Stella Bailey	NaTHNaC and YFVC Manager, London (6 month study leave 10 September 2007 – 7 March 2008)
Steve Payne	NaTHNaC and YFVC Manager (seconded 10 September 2007 – 7 March 2008)
John Mathewson	Business Manager, London

TMHS staff

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
Dr Barry Walsh	CCDC and Director of the southwest London Health Protection Unit: 0.3 wte secondment for six months from 1 st April 2007

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: 2007-2008

Chair: Prof. Sue Atkinson UCLH NHS Foundation Trust, London

Lynda Bramham	Nurse Advisor, MASTA
Claire Cameron	Centre for Infections, Health Protection Agency
Jane Chiodini	RCN Travel Health Forum, London
Dr Jon Cossar	Faculty of Travel Medicine
Dr David Dance	Regional Microbiologist, Health Protection Agency South West, Plymouth
Dr John Davies	General Practice and British Travel Health Association
John De Vial	Travel industry, Thomas Cook
Dr Jeff Dudgeon	Department of Health, Social Services and Public Health, Northern Ireland
Fiona Genasi	Travel Health Section, Health Protection Scotland, Glasgow
Maura Hughes	UK Vaccine Industry Group, London
Dr Jane Jones	Travel and Migrant Health Section, Centre for Infections, Health Protection Agency
Nicola Joyce	Welsh Assembly, Cardiff
Dr George Kassianos	GP Practice, Wokingham
Susan Lamb	Association of British Travel Agents
Dr Ted Lankester	Interhealth, London
Joyce Laptalis	Occupational Medicine, British Airways
Dr Gil Lea	Travel Medicine Specialist, London
Jeanette Martin	Royal College of Nursing
Dr Susanna Maybin	Volunteers in Service Organisation, London
Dr Brian McCloskey	Health Protection Agency
Dr Mike McKendrick	Infectious Diseases Consultant, Sheffield University
Dr Karen Noakes	Immunisation, Department of Health
Dr Richard Pebody	Centre for Infections, Health Protection Agency
Dr David A. Ross	Defence Medical Services
Dr Matthias Schmid	Newcastle General Hospital
Dr Vyv Thornton	Occupational Medicine, London
Dr Geoff Tohill	Travel insurance industry, First Assist
Ian Walker	Travel Advice Section, Foreign and Commonwealth Office
Dr Jane Wilson-Howarth	GP Practice, Cambridge

YELLOW FEVER VACCINATION CENTRE ASSOCIATE TRAINERS

This group of travel health specialists has greatly aided NaTHNaC in helping to train the more than 3,000 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, Manchester
Norma Evans	Specialist nurse in travel medicine, Warrington
Sandra Grieve	Specialist nurse in travel medicine, Chair, RCN Travel Health Forum
Alison Jenkins	Specialist nurse in travel medicine, Kent
Kath Lynch	Specialist nurse in travel medicine, London
Cate Riley	Specialist nurse in travel medicine, Manchester
Dr Steve Riley	General practitioner, Manchester

OUTPUTS FOR 2007-2008

Key:	SB – Stella Bailey	DRH – David R Hill	SP – Steve Payne
	NB – Naomi Bryant	JJ – Jane Jones	EP – Emma Philpott
	VF – Vanessa Field	AJ – Alexandra Jordan	HS – Hilary Simons
	LF – Lisa Ford	DL – David Laloo	RT – Rose Tucker
	MG – Mary Gawthrop	JL – Joanne Lawrence	CW – Claire Wong
	RG – Ruth Gilbert	JM – John Mathewson	

A. Honours and Distinctions	
MSc International and Travel Health (Sheffield Hallam University). Degree awarded September 2007	CW
Associate Specialist in Travel Medicine	VF
Visiting Professor: Japanese Society for Travel Vaccines, January 2008	DRH
B. Professional Activities	
London School of Hygiene and Tropical Medicine – Honorary Professor	DRH
London School of Hygiene and Tropical Medicine – Honorary Senior Lecturer	JJ
London School of Hygiene and Tropical Medicine – Co-Director, Short Course on Travel Medicine: LSH&TM, 16-20 April, 2007	DRH
International Society of Travel Medicine Member, Editorial Board, Journal of Travel Medicine Member, Scientific Committee, 10 th Conference of the International Society of Travel Medicine (CISTM10), Vancouver, Canada, May, 2007 Member Professional Education Committee	DRH DRH VF
American Society of Tropical Medicine and Hygiene Member, Communications Award Committee Member, Education Committee	DRH
Northern European Conference on Travel Medicine (NECTM), Helsinki, May 2008 Member Scientific Committee Member Organising Committee	VF DRH
British Travel Health Association Executive Committee; Deputy Secretary	CW
DH Joint Committee on Vaccination and Immunisation – Member	DRH
HPA Advisory Committee on Malaria Prevention – Member	DRH
Royal College of Nursing Travel Health Forum – Steering Committee	AJ
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

Nursing Standard: Editorial Board	AJ
GeoSentinel Site Director (InterHealth)	VF
US Centers for Disease Control and Prevention: Review of travel medicine programme, April 2007	DRH
Editorial Review: World Health Organization. <i>International Travel and Health 2008</i>	DRH VF HS LF
Topic Review: Malaria prevention. External consultation of Clinical Knowledge Summaries (CKS) service. May 2007.	HS LF
Topic Review: Immunisations – Travel. External consultation of Clinical Knowledge Summaries (CKS) service. May 2007.	HS LF
Travelling and vaccines. Thain Z In: <i>Introduction to renal therapeutics</i> . Ashley C, Morlidge C (eds). London. Pharmaceutical Press. 253-65, 2007.	HS LF CW
C. Publications	
BOOK CHAPTERS	
Hill DR , Ryan ET. Diet and education about risk. In: Ericsson CD, DuPont HL, Steffen R (eds). <i>Travelers' Diarrhea</i> . BC Decker Inc, Hamilton, Ontario. 180-9, 2008.	DRH
MONOGRAPH	
Health Protection Agency. Foreign travel-associated illness in England, Wales, and Northern Ireland – 2007 report. London, HPA, 2007. (Aug 2007)	JL JJ
Health Protection Agency. Pilot of enhanced enteric fever surveillance in England, Wales, and Northern Ireland: 1 May 2006 - 30 April 2007. London, HPA, 2008.	JL JJ
TRAINING RESOURCES	
Jordan A, Payne S, Simons H, Tucker R (eds) The National Travel Health Network and Centre. Yellow Fever Vaccination Centres: Associate Trainer pack. 2 nd Edition. London. The Stationery Office. 2008.	AJ SP HS RT staff
Jordan A, Payne S, Simons H, Tucker R (eds) Yellow Fever Vaccination Centres: Delegate pack. 2 nd Edition. London. The Stationery Office. 2008.	AJ SP HS RT staff
JOURNAL PUBLICATIONS	
Jordan A, Simons H . All you need to know about yellow fever. <i>Nursing in Practice</i> . 34 :15-18, 2007.	AJ HS
Jordan A . Scenarios from the NaTHNaC telephone advice line. <i>Brit Travel Health Assoc J</i> . 10 : 37-40, 2007.	AJ
Gawthrop M . Providing travel health advice. <i>Practice Nurse</i> . 33 :20-24, 2007.	MG
Ward KN, Bryant NJ , Andrews NJ, Bowley JS, Orhling A, Verity CM, Ross EM, Miller E. Risk of serious neurologic disease after immunization of young children in Britain and Ireland. <i>Pediatr</i> 120 :314-21, 2007.	NB
Checkley AM, Hill DR . Prevention of malaria in long-term travellers. <i>Trends Parasitol</i> . 10 :462-5, 2007.	DRH

Marcus LC, Froeschle JE, Hill DR , Wolfe MS, Maus D, Connor B, Acosta AM, Rensimer ER, Roberts A, Dardick K. Safety of Typhim Vi vaccine in a post-marketing observational study. <i>J Travel Med.</i> 14 :386-91, 2007.	DRH
Krause PJ, Gewurz BE, Hill DR , Marty FM, Vannier E, Foppa IM, et al. Persistent and relapsing babesiosis in immunocompromised patients. <i>Clin Infect Dis.</i> 46 :370-6, 2008.	DRH
Wilder-Smith A, Hill DR , Freedman D. The revised International Health Regulations (2005): impact on yellow fever vaccination in clinical practice. <i>Amer J Trop Med Hyg.</i> 78 :359-60, 2008.	DRH
Threlfall J, de Pinna E, Day M, Lawrence J , Jones J . Alternatives to Ciprofloxacin Use for Enteric Fever, United Kingdom (letter). <i>EID</i> 2008; 14 (5):860-1.	JL JJ
OTHER PUBLICATIONS	
Wilder-Smith A, Hill DR . The revised international health regulations and the international certificate of vaccination or prophylaxis (letter). <i>Lancet.</i> 370 :565, 2007.	DRH
Wilder-Smith A, Hill DR . The revised International Health Regulations 2005: practical implications for yellow fever vaccination requirements (rapid response). <i>Brit Med J.</i> 2007.	DRH
HPA. Imported chikungunya in the United Kingdom – 2006. <i>Health Prot Rep Wkly</i> [serial online] 2007; 1 (15).	JL JJ
Hill DR , Ryan ET, Freedman DO, Bia FJ, Fischer PR, Keystone JS, Kozarsky PE, Pearson RD. Reply to: Traveler's diarrhea chemoprophylaxis: an alternative recommendation (letter). <i>Clin Infect Dis.</i> 46 :476-7, 2008.	DRH
D. Abstracts and Presentations	
Field V, Bryant N, Bailey S, Gawthrop M, Jordan A, Simons H, Stringer C, Tucker R, Hill DR . Development of a web-based information system for country travel advice. National Travel Health Network and Centre, London, United Kingdom. Presented at the 10th Conference of the International Society of Travel Medicine. Vancouver, Canada. 20-24 May 2007.	VF NB SB MG AJ HS CW RT DRH
Hill DR , Marano N. Yellow Fever: Current Epidemiology and Vaccine Issues. 10 th Conference of the International Society of Travel Medicine. Vancouver, Canada. 20-24 May 2007.	DRH
Lawrence J, Jones J , Threlfall J. Pilot of enhanced surveillance of typhoid and paratyphoid (enteric) fever in England, Wales, and Northern Ireland – preliminary findings. Presented at the 10th Conference of the International Society of Travel Medicine. Vancouver, Canada. 20-24 May 2007.	JL JJ
Lawrence J , Cathcart S, Grant A, Quinn D, Jones J , Fraser G. Estimating the proportion of unreported malaria cases in England, United Kingdom: a capture-recapture study. Presented at the 10th Conference of the International Society of Travel Medicine, Vancouver, Canada. 20-24 May 2007.	JL JJ
Jones J, Lawrence J , Threlfall J. Enhanced surveillance of enteric fevers in England, Wales and Northern Ireland: preliminary results of pilot. Presented at the Five Nations Health Protection Conference, Belfast, Northern Ireland. May 2007.	JJ JL
Chiodini J, Boyne L, Grieve A, Jordan A . The Royal College of Nursing Travel Health Forum. Competencies: an integrated career and competency framework for nurses in travel health medicine. Presented at the 2 nd International Conference of the Journal of Travel Medicine and Infectious Disease. 12 September 2007.	AJ
Grieve A, Skeet J, Boyne L, Driver C, Jordan A . The Royal College of Nursing Travel Health Forum. Royal College of Nursing, United Kingdom. Presented at the 2 nd International Conference of the Journal of Travel Medicine and Infectious Disease. 12 September 2007.	AJ

Lawrence J, Jones J, Threlfall J. Pilot of enhanced surveillance of typhoid and paratyphoid (enteric) fever in England, Wales, and Northern Ireland. Presented at the Health Protection Agency Annual Conference, Warwick, England. September 2007.	JL JJ
Our correspondent in Peru. Faculty of Travel Medicine Symposium, RCPSG, Glasgow. 9 October 2007.	VF
Routine Vaccinations. Asia-Pacific International Conference in Travel Medicine (APICTM), Melbourne, Australia. 25 February 2008.	VF
Volunteers abroad. Asia-Pacific International Conference in Travel Medicine (APICTM), Melbourne, Australia. 25 February 2008.	VF
E. Lectures	
Immunisation – Travel vaccines; Enteric infection including travellers' diarrhoea; Malaria: epidemiology and disease; Problem workshop on travel health. Short Course in Travel Medicine. London School of Hygiene and Tropical Medicine. 16-20 April 2007.	DRH
Travel medicine and travel scenarios. Diploma in Tropical Medicine, Liverpool School of Tropical Medicine. April and November 2007.	LF
Travel vaccines and malaria prevention. Nursing Focus Travel Health Course, London. 18 April 2007.	CW
Yellow fever vaccine. Sanofi Pasteur MSD training session, Henley. 26 April 2007.	CW
Surveillance of travel associated diseases. Short Course in Travel Medicine. London School of Hygiene and Tropical Medicine. 16-20 April 2007.	JJ
Setting standards in travel medicine. Hospital for Tropical Diseases Open Day. Birkbeck College, London. 9 May 2007.	DRH
Travel vaccines. HPA multidisciplinary course, Colindale, London. 20 June 2007.	CW
Have I got travel health news for you? Foreign and Commonwealth Office, London. 3 July 2007.	VF
Immunisations and malaria prevention for expeditions. Update in travel health, Expedition Medicine Course. Glasgow. 7 July 2007.	VF
Research projects in travel medicine, Diploma in Travel Medicine, Royal College of Physicians and Surgeons, Glasgow. 11 September 2007.	VF
Vaccine Update: Practice nurse education, Hampshire Primary Care Trust. Portsmouth. 11 October 2007	HS
Diarrheal Diseases; Immunizations for Travel. Intensive Review Course in Clinical Tropical Medicine and Traveler's Health. American Society of Tropical Medicine and Hygiene. San Diego, California. 2-3 October 2007.	DRH
Travel vaccines and malaria prevention. Essex Health Protection Unit, Cambridge. 3 September 2007.	CW
Travel medicine. The pharmacist's role. Aintree Hospital, Liverpool. November 2007.	LF
Travel and Migrant Health. Communicable Disease Control course, Birmingham University, Birmingham. 29 November 2007.	JJ
Vaccination for travel, vaccination for life. Medical Grand Rounds. University of Connecticut Health Center, Farmington CT, USA. 6 December 2007.	DRH
Enhanced surveillance of enteric fever. North East and North Central London HPU, Environmental Health Officers Forum. London. 6 December 2007.	JL
Prevention in travel medicine: Traveller's diarrhoea and malaria. Kawasaki Medical School, Kurashiki, Japan. 15 January 2008.	DRH

Practising evidence-based travel medicine. National Institute for Infectious Diseases, Tokyo, Japan. 18 January 2008.	DRH
Vaccination for travel, vaccination for life. International Medical Center of Japan, Tokyo. 19 January 2008.	DRH
Travel scenarios. Travel and Expedition Medicine Course. Liverpool School of Tropical Medicine. 4-8 February 2008.	HS
Travel vaccines and the diseases they prevent. Travel and Expedition Medicine Course. Liverpool School of Tropical Medicine. 4-8 February 2008.	HS
Travellers visiting friends and relatives. Travel and Expedition Medicine Course, Liverpool School of Tropical Medicine. 4-8 February 2008.	CW
Travel vaccines and the diseases they prevent. Travel and Expedition Medicine Course, Liverpool School of Tropical Medicine. 4-8 February 2008.	CW
Surveillance and outbreaks of disease. Travel and Expedition Medicine Course, Liverpool School of Tropical Medicine. 4-8 February 2008.	NB
Promotion of health of humanitarian workers. Travel and Expedition Medicine Course, Liverpool School of Tropical Medicine. 4-8 February 2008.	VF
Enteric infection, including traveller's diarrhoea. Travel and Expedition Medicine Course, Liverpool School of Tropical Medicine. 4-8 February 2008.	DRH
Frequently asked questions on the NaTHNaC advice line. Immunisation Conference 2008: Vaccines and Immunisation. John Radcliffe Hospital, Oxford. 26 February 2008.	HS
Travel and Migrant Health. Communicable Disease Control in Developed and Middle Income Countries. London School of Hygiene and Tropical Medicine, London. 3 March 2008.	JJ
The immunocompromised traveller. Symposium on Travel Associated Disease, Royal Society of Tropical Medicine and Hygiene. Liverpool School of Tropical Medicine. 14 March 2008.	LF
F. Education and Training	
Yellow Fever Vaccination Centre Training Seminars, April 2007 – March 2008.	SB DRH CW AJ HS MG LF VF
Centre for Infections Lecturer, Epidemiology Induction Course: Health Protection Agency, Centre for Infections, quarterly July 2007, October 2007, February 2008.	JL
London School of Hygiene and Tropical Medicine Co-Director, Short Course on Travel Medicine: LSH&TM 16-20 April 2007 Lecturer and tutor in MSc in Tropical and Infectious Diseases Lecturer in Diploma in Tropical Medicine and Hygiene course Organiser, Nets and bolts 2008 (study day), Faculty of Travel Medicine RCPS (Glasg)	DRH VF
University of Connecticut School of Medicine, Guest lecturer in parasitology and tropical Medicine, December, 2007	DRH
Yellow Fever Vaccination Centre Training: Associate Trainer Update. January 2008.	HS AJ DRH JM SP EP
Liverpool School of Tropical Medicine Course organiser and lecturer, Travel and Expedition Medicine Course: LSTM, 4-8 February 2008	LF

G. New initiatives

Development of Country Information Pages for the NaTHNaC website.	VF NB DRH CW SB staff
Development of Outbreak Surveillance Database.	NB JL
Collaboration with Foreign and Commonwealth Office on travel health advice.	DRH VF NB JJ JL
Enhanced surveillance of enteric fever, 1 May 2006 – 30 April 2007.	JJ JL

NaTHNaC Business Plan – 2008-2009

Key: SB – Stella Bailey LF – Lisa Ford EP– Emma Philpott
 NJB – Nicholas Beeching RG – Ruth Gilbert HS – Hilary Simons
 GB – Graham Bickler DRH – David Hill VS – Valerie Smith
 MB – Marie Blaze JH – Jo Hunter ChW- Chris Whitty
 NB – Naomi Bryant JJ – Jane Jones CW – Claire Wong
 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

<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>
NaTHNaC Staff and Centre					
Staffing levels	<ul style="list-style-type: none"> Continue to employ all current NaTHNaC staff Establish the YFVC administrator position as permanent Develop job description for administrative support post Employ temporary staff as needed to cover work load 	Ongoing August 2008 August 2008 Ongoing	DRH SB JM	Continue to manage costs for each position within budget	Goals 9, 10 & 12
Staff development	<ul style="list-style-type: none"> Integrate new reporting structure for nursing staff with senior nurse Hold staff appraisals on annual basis Continue effective communication between network centres through weekly team meetings and visits to Liverpool and Colindale sites All staff and Steering Committee members annually to sign Declaration of Interests form of NaTHNaC Private Sector Policy 	June 2008 June – Aug 2009 Ongoing June 2009	HS DRH SB HS All		Goal 9
Commissioning role of HPA for NaTHNaC	<ul style="list-style-type: none"> Review outcomes of Advisory Group Meeting, November 2007 Review Steering Committee terms of reference Agree body of work done by TMHS (HPA Cfl) with NaTHNaC 	September 2008 June 2008	DRH SB NJB GB JM JH DRH JJ		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 and IT departments of UCLH 	September 2008	JH SB JM DRH		Goals 9, 10, 11, 13
Long-range planning	<ul style="list-style-type: none"> Following Advisory Group meeting November 2007, Steering 	Ongoing 2008	DRH JJ	Initiatives will	Goals 9,

	Committee December 2007, and Senior Staff meeting February 2008, review long-range plans <ul style="list-style-type: none"> Will need financial projections, personnel requirements and then consideration for bids for accomplishing goals 		VF HS SB NJB JM	need to be costed and evaluated	10, 13, 14
Publicity, marketing and communication (see also Aim #1 below)	<ul style="list-style-type: none"> Review marketing position of NaTHNaC re: travellers and health professionals Develop strategy for publicity Link with ongoing travel health campaigns, e.g. the Know Before You Go Attendance and presentations at relevant conferences/meetings/training events 	October 2008	JM SB DRH EP VF HS	Development and implementation depending upon programme level	Goals 10, 11, 12, 14

1. To develop consistent and authoritative national guidance					
Country Information Pages (CIP)	<ul style="list-style-type: none"> Review content on CIPs and revise as needed Add new content 	Summer 2008 September 2008	NB VF CW DRH	Ongoing technology costs of £15,000	Goals 7, 10, 12
<u>Yellow Book (YB) Revision</u>			VF LF SB DRH Staff	Start-up funding from DH.	Goals 10 & 12
<ul style="list-style-type: none"> Edit content of YB 	<ul style="list-style-type: none"> Review and edit submitted material Collate material into uniform text presentation 	August 2008	VF LF DRH		
<ul style="list-style-type: none"> Publish hard copy of YB 	<ul style="list-style-type: none"> Work with TSO to develop formatting and visuals of YB Publish hard copy of YB 	September 2008 January 2009	TSO SB VF LF DRH	Agree business model with TSO	
<ul style="list-style-type: none"> Place content of YB on-line 	<ul style="list-style-type: none"> Adapt hard copy content to on-line template Create fully searchable web-based format Place on NaTHNaC website 	January 2009	TSO SB VF DRH	Agree business model with TSO	
Links/representation on key national advisory committees	<ul style="list-style-type: none"> Advisory Committee on Malaria Prevention Joint Committee on Vaccination and Immunisation Health Protection Scotland, Travel Health Section Advisory Group BTHA RCN Travel Health Forum London Malaria Group 	Ongoing	DRH DRH HS VF CW AJ DRH JJ		Goals 10, 11, 12, & 13, 14

	<ul style="list-style-type: none"> Faculty of Travel Medicine, RCPS (Glasgow) 		JL VF		
Interactions between the HPA Malaria Reference Laboratory, the ACMP and NaTHNaC	<ul style="list-style-type: none"> Regular information sharing between NaTHNaC and MRL Development of advice protocols with ACMP Write FAQs on malaria prevention for joint posting on the HPA and NaTHNaC websites based on calls to MRL and NaTHNaC advice lines Work with ACMP and Health Protection Scotland to agree malaria risk areas and develop maps 	Ongoing Ongoing Ongoing	DRH JJ PLC ChW MB DH VF PLC HPS		Goals 10, 11, 12
Communication of health messages	<ul style="list-style-type: none"> Develop pre-travel health brochures Adapt Health Information Sheets for travellers Review content on travellers' side of website Partner with other organisations, e.g. FCO, Know Before You Go and travel industry 	Ongoing	DRH VF HS Clinical staff	Assess publication costs as necessary	Goals 11, 13, 14

2. To provide guidance on specific situations					
Country Information Pages (CIP) and Outbreak Surveillance Database (OSD)	<ul style="list-style-type: none"> Provide country specific information on malaria prevention, vaccine preventable disease and other selected infectious disease risks (see above) Add global disease outbreaks to OSD –_daily Link CIP, OSD and Clinical Updates Link NaTHNaC information on health with FCO information on safety and services for UK residents 	Ongoing, with updates as needed but at least annually July 2008	NB VF CW DRH SB	Projected ongoing technology costs of £60,000	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 using new advice line system Train staff on most efficient use of system Enter advice line information into database Review the content of calls to update NaTHNaC protocols and advice and identify training needs 	Ongoing August 2008 Ongoing	MG AJ HS CW JM TC NB NB CW DRH	Hire temp personnel for data entry	Goal 10
Global health events	<ul style="list-style-type: none"> Review global data sources daily and enter information into OSD Circulate daily report to NaTHNaC team and stakeholders Select events with high impact for UK travellers and write Clinical Updates for posting on the NaTHNaC website Revise indexing of Clinical Updates and link to CIP 	Daily Daily Ongoing July 2008	NB JL Clinical Staff NB		Goals 4, 7, 10, 12, 14
Traveller's side of website	<ul style="list-style-type: none"> Review content and revise information sheets for travellers 	Ongoing	Staff	Determine	Goal 12

	<ul style="list-style-type: none"> • Include new resources for travellers • Revise formatting of travellers' pages 	December 2008	NB	costs and apply for funding	
--	--	---------------	----	-----------------------------	--

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 Health Protection Agency • Produce quarterly summaries in the HPR of data on infections in travellers • Update epidemiology in information sheets on NaTHNaC website • Ongoing review of clinical updates/FCO information queries as requested by NaTHNaC • Manage enhanced surveillance of enteric fevers and produce regular reports on results • Identify and implement measures to improve the utility of existing systems for surveillance of imported infectious illness • Develop new systems of 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 an annual report on travel associated infection for 2006/07 	All ongoing December 08	JJ JL for all		Goals 4, 7, 8 & 11
Surveillance to include non-infectious hazards to travellers health	<ul style="list-style-type: none"> • Work with external stakeholders e.g. the 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	PLC DRH JJ JL MB		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	PC VS MB 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"> Review programme 	Ongoing	HS AJ JM SB EP DRH	Review fee structure to assure costs are covered	
Central database for YFVCs	<ul style="list-style-type: none"> Enter each new YFVC as they become designated Review and update entries for existing YFVCs 	Ongoing	SB EP TSO		
Public access locator for YFVCs	<ul style="list-style-type: none"> Review YFVC entries and make sure they are accurate and accessible for travellers 	Ongoing	SB EP TSO		
YFVC training programme	<ul style="list-style-type: none"> Work with Associate Trainers to deliver programme Commission new trainers to cover London and southwest Schedule training programmes throughout the UK Revise training content as necessary 	Ongoing August 2008 Ongoing	HS AJ JM SB EP DRH	Training costs to be covered by training fees	
International Certificate of Vaccination or Prophylaxis (ICVP)	<ul style="list-style-type: none"> Continue introduction of ICVP into UK YFVC practice Determine number of ICVPs needed for distribution each year Agree distribution protocols with TSO and Prolog Work with Sanofi Pasteur MSD for efficient distribution of ICVP with vaccine orders 	Ongoing Sept 2008 Ongoing	SB JM HS DRH	Model charging for ICVPs that are additional to those distributed with vaccine orders to recover costs	
Assessment and Audit (AA) instrument for YFVCs	<ul style="list-style-type: none"> Review AA instrument Pilot instrument Adapt instrument for on-line self assessment Agree process for implementation, review of completed AA forms by YFVCs, and determine the 'grading' of AA completions Work with PCTs and SHAs to review, agree and implement AA process Initiate AA with YFVCs 	Place AA on-line by Oct 2008	JM HS AJ SB EP DRH	Costs of placing AA instrument on-line and evaluating responses need to be determined	
De-designate YFVCs as necessary	<ul style="list-style-type: none"> Implement de-designation policy when thresholds reached 	Ongoing	JM SB		

5. To engage major stakeholders (private and government) concerned with the travel health					
NaTHNaC Advisory Group	<ul style="list-style-type: none"> Hold twice yearly meetings of Advisory Group Action outcomes of the meetings 	May/Nov 2008	DRH SB VF HS JM NJB		Goal 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 Outbreak Surveillance Database daily brief Establish mutual links between NaTHNaC Country Information Pages and FCO 	Ongoing Sept 2008	DRH JJ JL VF NB		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 travel health information to health professionals and travellers Devote May Advisory Group meeting to discussion of role of travel industry in travel health Partner to develop information leaflets on travel health for distribution to travellers 	Ongoing May 2008 Ongoing	DRH JM VF	Explore ways of sharing costs with industry?	Goal 11
Profile of travel medicine	<ul style="list-style-type: none"> Contact PCTs and SHAs with information about NaTHNaC role in YFVCs and travel health Discuss with LARS and HPUs role of travel health and participate in conference with HPUs Work with Faculty of Travel Medicine (RCPS Glags) to set standards for training and qualifications in travel medicine 	April 2008 April 2008	SB EP JM DRH HS VF		Goal 11
Global travel health advisory bodies	<ul style="list-style-type: none"> Partner with US CDC over yellow fever training and vaccine issues Collaborate with WHO on global travel health advice Participate with WHO, CDC, Oxford University and other global advisory bodies on defining yellow fever risk areas 	August 2008 Ongoing Sept 2008	DRH VF DRH NB		Goals 11, 12 & 14
Muslim Council of Britain	<ul style="list-style-type: none"> Agree advice for Hajj and Umra pilgrims 	Winter 2008	DRH VF CW HS		Goals 12, 14

6. To facilitate training of health care and other personnel					
Training for health professionals	<ul style="list-style-type: none"> Continue the YF training programme 	Ongoing	DRH	Explore	Goal 10 &

	<ul style="list-style-type: none"> • Cost and review on-line training for established YFVCs • Partner with national or international organisations to provide education in travel medicine, e.g. ISTM, BTHA, Faculty of Travel Medicine, London School of Hygiene and Tropical Medicine • Explore expansion of NaTHNaC training to include additional modules, e.g. vaccination and malaria 		HS SB VF	costs associated with on-line training module	13
NaTHNaC profile in travel medicine	<ul style="list-style-type: none"> • Contact Health Protection Units, PCTs and SHAs with information about our role in travel health and YFVCs • Discuss with LARS role of travel health 	Ongoing	DRH SB EP JM		Goal 11
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 2009	DRH		Goal 10

7. To define short-term and long-term research priorities					
Disease risk by country	<ul style="list-style-type: none"> • Develop evidence base for decisions about country and region specific disease risk • Partner with international and national organizations (e.g. HPS, CDC, WHO, PAHO) to facilitate data on risk disease risk • Examine non-infectious disease risk with tourism industry and FCO • Assess epidemiology of yellow fever infection and disease • Participate with WHO, CDC, Oxford University and other global advisory bodies on defining yellow fever risk areas 	Ongoing	DH VF NB		Goal 8
Health outcomes	<ul style="list-style-type: none"> • Explore with travel industry how to assess traveller access and interpretation of travel health information • Partner with YFVCs to assess how a change in standard has affected patient care • Partner with general practice to assess patient knowledge and attitudes toward travel health 	Ongoing	DRH JJ VF LF NB	Explore external grant funding	Goal 8
Advice line	<ul style="list-style-type: none"> • Review, analyse and present information on NaTHNaC advice line from 2004-2007 • Publish information 	August 2008 Mar 2009	DRH NB CW TC		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 REPORT: Income & Expenditures 2007-2008

NaTHNaC is funded by the Health Protection Agency (HPA), receiving its core funding 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.

NaTHNaC receives additional funds from their programme of registration, training, standards and audit for Yellow Fever Vaccination Centres (YFVCs). Registration fees from YFVCs are divided between the current year and the following year depending upon the period of registration of the individual centre (one or two years). Training programme fees for YFVCs are targeted to recover costs only and may be carried over from one year.

Expenditures are divided between the three sites where NaTHNaC operates: the UCLH NHS Foundation Trust in London, the Liverpool School of Tropical Medicine, and the Travel and Migrant Health Section of the HPA, Centre for Infection in Colindale.

INCOME

<i>Annual Core Funding (HPA)</i>	<i>564,348</i>
<i>Core Funding Adjustment</i>	<i>63,506</i>
<i>YFVC Registration Fees (2007-2008)</i>	<i>352,562</i>
<i>YFVC Training Fees</i>	<i>192,738</i>
<i>Carried forward from 2006/2007</i>	<i>234,601</i>

Total Income **1,407,755**

EXPENDITURES

<i>Staff Costs</i>	<i>586,985</i>
<i>YFVC Training Costs</i>	<i>93,260</i>
<i>Overheads</i>	<i>88,695</i>
<i>Rent</i>	<i>70,701</i>
<i>Project Work & General Expenditure</i>	<i>160,784</i>

Total Expenditure **1,000,425**

Carry forward to 2007-2008

<i>YFVC Registration fees *</i>	<i>270,928</i>
<i>YFVC Training fees</i>	<i>136,402</i>

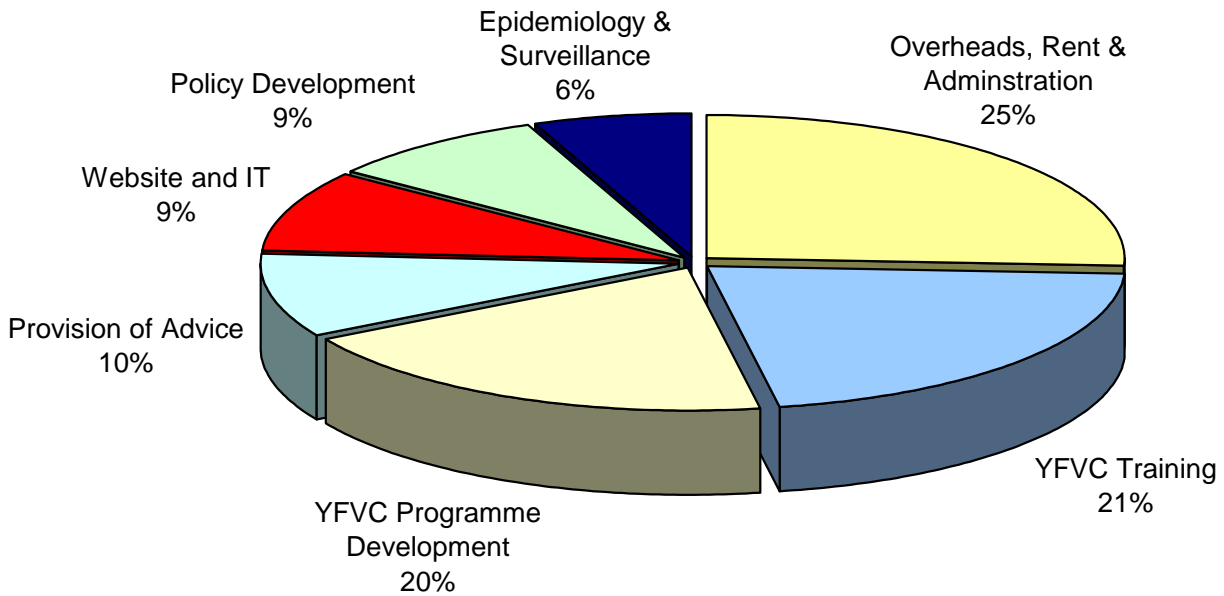
Total Carry Forward **407,330**

Total Expenditure & Carry Forward **1,407,755**

* YFVC registration fees are divided between the current fiscal year and the next fiscal year based on the number of YFVCs that have renewed their registration for one or two years.

SUMMARY OF RESOURCE ALLOCATION

This chart illustrates the allocation of funding during 2007-2008 towards the major objectives of NaTHNaC.



BUDGET: 2008-2009

INCOME

<i>Annual Core Funding (HPA)</i>	<i>579,895</i>
<i>YFVC Registration Fees *</i>	<i>90,750</i>
<i>YFVC Training Fees</i>	<i>143,351</i>
<i>Accruals from 2006 - 2007</i>	<i>407,330</i>
<i>Total Income</i>	<i>1,221,326</i>

EXPENDITURES

<i>Staff Costs</i>	<i>680,318</i>
<i>YFVC Training Costs</i>	<i>112,500</i>
<i>Overheads</i>	<i>85,789</i>
<i>Rent</i>	<i>79,350</i>
<i>Projects, IT & General Expenditure</i>	<i>127,952</i>
<i>Total Staff and Centre Costs</i>	<i>1,085,909</i>

Carry forward to 2008 - 2009

<i>YFVC Registration fees *</i>	<i>135,417</i>
<i>Total Expenditure & Carry Forward</i>	<i>1,221,326</i>

* YFVC registration fees are divided between the current fiscal year and the next fiscal year based on the number of YFVCs that have renewed their registration 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)
Hospital for Tropical Diseases
Mortimer Market Centre
Capper Street
London WC1E 6JB

www.nathnac.org



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