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PRINCIPAL INVESTIGATOR: Simon Wessely, M.D.

CONTRACTING ORGANIZATION: King's College School of Medicine  
London SE5 8AZ United Kingdom

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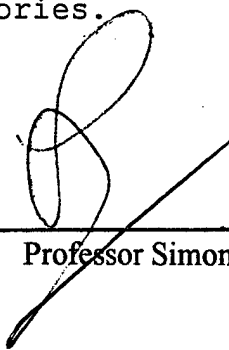
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\_\_\_\_\_  
Professor Simon Wessely

Sep 29, 1997

Date

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## Summary

This is the 1<sup>st</sup> annual progress report of a 3 year epidemiological study into the effects on health of service in the Persian Gulf War.

During the period June 1996 to June 1997, the questionnaire to be used in the study has been devised. A detailed pilot study was undertaken, with resulting changes being made to the questionnaire. The questionnaire is comprehensive, with questions looking at background factors, theatres of operation, exposures, and health outcomes. In addition, an extensive database of literature has been developed, covering papers concerned with the effect of war on individuals, plus research pertaining specifically to the Persian Gulf War.

Currently, the main body of the study is underway, with 12750 questionnaires having been or in the process of being dispatched to currently serving and ex military personnel. Tracing procedures have been extensively investigated and algorithms devised.

Problems have been encountered during the year, both at the level of the Ministry of Defence and quality of addresses released by the armed forces. Considerable manpower has been taken up ensuring that addresses received were in a suitable format for mailing purposes. Political developments have also impinged on the project. Her Majesty's Government announced funds for research into the "Gulf War syndrome", which resulted in our study being held back as it was deemed desirable that all UK research proceeds in an integrated fashion.

## **Study Outline**

### ***Background***

This study was set up to address the prevalence of explained and unexplained illnesses, including chronic fatigue like symptoms, in members of the United Kingdom Armed Forces who were deployed to the Persian Gulf during the Gulf War and two comparison groups: those who had served in peace keeping forces in Bosnia, and a group who had served in neither theatre (Era controls).

### ***Aims***

This epidemiological study aims to ascertain whether service in the Persian Gulf War by UK armed forces personnel was associated with an increase in physical and / or psychological morbidity compared to those who were not deployed or those deployed to Bosnia. If it is so, evidence will be sought for an increase in known disorders, new or ill-defined conditions such as chronic fatigue syndrome, or an illness peculiar to Gulf War service.

### ***Methodology***

The epidemiological study of the prevalence of unexplained illnesses in the population at risk utilizes a two stage design. Stage 1 will be a questionnaire survey of 4250 Gulf War veterans selected at random, an equivalent sample of Bosnia Veterans and a group selected who had served in neither theatre. The second stage will involve interview, examination and testing of all those (approximately 10%) in the first stage who score above a cut off defining subjective ill health. Information gathered at the second stage will be used to estimate the prevalence of diagnosed and unexplained morbidity, including chronic fatigue, in UK personnel, and to calculate whether there is an excess associated with Gulf War and / or Bosnia service. In the event that there is, the researchers will examine the self assessed effect of deployment related exposures such as pesticides, vaccinations and psychological trauma as well as pre morbid and psychosocial factors which may be implicated in such an increase. We anticipate that this will identify avenues for further biological and psychosocial research.

### ***Progress to date***

The work of year one has been involved entirely with the first phase of the study, primarily with

1. The development of the questionnaire used in the postal survey.
2. The setting up of administrative databases
3. The setting up of tracing mechanisms

## ***Development of the questionnaire***

### **Standardised instruments**

A number of standardised instruments have been included in the questionnaire including: the Medical Outcomes Health Survey Short Form (SF-36), the General Health Questionnaire (GHQ-12) and the Chronic Fatigue Syndrome Questionnaire.

### **Exposure / service history**

The section dealing with exposures faced by personnel in theatre was devised, and revised according to advice received from a large number of military personnel (including PGW veterans). The health symptom checklist was evaluated by senior military medical personnel, who critiqued it for accuracy and appropriateness for the theatres being investigated in the study. The military advisors also contributed to the development of the section investigating service history.

### **Drugs and Alcohol; Sexual behaviour**

Questions asking about i) drugs and alcohol use and ii) sexual behaviour proved to be very controversial, and served to highlight the cultural differences that exist between the UK and USA. In the case of drugs, it was felt that as drug use was not a pervasive problem in the UK military that they should not be included. Alcohol use was restricted to a single question, for fear of raising concerns of confidentiality. As a result of strong advice given by both the military and lay advisors, questions asking about sexual behaviour were removed.

### **Lottery**

An incentive to complete the questionnaire was given in the form of an option to participate in a £1000 draw. There was considerable discussion as to whether this was an appropriate incentive, but research has shown that such methods may improve response rates.

### **Era control group**

The questionnaire had to be modified for the Era comparison group, as they would not have had exposure to the same type of scenarios as those personnel who had been deployed to Bosnia and / or the Gulf. This resulted in the development of two questionnaires, essentially identical apart from questions relating to exposures and health symptoms. Copies of the questionnaires are given in the appendix.

### ***Pilot Study***

The final version of the questionnaire was piloted on 200 serving military personnel, and helped identify linguistic ambiguities. The logistics involved in conducting the mailing of questionnaires to the armed forces were identified and procedures established. Those personnel based in the UK would receive their questionnaires using the military mail service, for those based overseas we would use the British Forces Posted Overseas (BFPO) mailing services. An additional bonus of using the military mailing services has been that they have been provided at no cost to the study. Those personnel who had left the forces, but were eligible for inclusion in our study, would be sent the questionnaire via the Royal Mail.

The response rates for the pilot study were:

|            | Bosnia | Gulf | Era |
|------------|--------|------|-----|
| % returned | 53     | 47   | 65  |

The overall response rate was 55% after 2 mailings. We have good reason to believe that a substantial proportion of non-responses is due to problems of distribution and tracing.

### ***Development of Tracing Strategies for non respondents***

Tracing those who are still in active service will be straight forward, as we have the co-operation of the Army Staff Duties Section. However, since 1990 it can be expected that over 50% of those deployed will have left the services.

Over the year, a great deal of time has been spent discussing strategies for the tracing of this group of non responders.

Three main tracing routes were identified: i) Health Authorities ii) Royal British Legion (RBL) data bases and iii) National Health Service Central Register (NHS-CR),

#### **Health Authorities**

There exists a system whereby it is possible to identify which of the approximately 40 regional administrative health authorities in the country an individual belong to.

These can then be approached and asked to supply addresses for named individuals. Permission has to be sought from the regional Chief Executives for their co-operation in releasing these details to use. So far, the response has been varied, with most but not all willing to collaborate. This is the easiest route for our study to pursue, and we are working closely with the other study teams to facilitate this tracing procedure.

#### **Royal British Legion (RBL) data base**

The RBL has compiled a database of addresses of non serving military personnel. They have expressed a willingness to allow us access to this database in order to trace non responders.

#### **NHS-CR**

Everybody in the United Kingdom is supplied with a National Health number, which is registered centrally at the NHS-CR. It is possible to "flag" individuals which can in turn be used for the purposes of tracing them. This is a time consuming process, as the procedure is not yet fully computerised which means that a lot of the matching is completed manually. This will be the system used if individuals can not be traced using the mechanisms described above.

### ***Steering group Committee***

A Steering Group Committee was created to regularly review Progress of the study, and also to advise how best to obtain co-operation from the military personnel to participate in the study. The committee consists of Gulf War veterans, the study team

members and other researchers. Their views were elicited regarding, amongst other things, the content of the questionnaire and how best to publicise the study. Each revision of the questionnaire was passed to the committee to ensure that any alterations made were appropriate ones.

### ***Publicity***

Extensive publicity was undertaken to maximise the number of questionnaires returned. This included placing articles in military magazines such as *Soldier*. The Royal British Legion, a welfare organisation for ex service men and women, has given invaluable support to the study. They have published articles in their circular magazine, as well as placing posters explaining the importance of the study in each of their 4500 clubs around the country.

### **Problems encountered.**

There have been considerable problems encountered in during the last year, in the implementation of this study. They fall into three main categories:

- 1) The release of research funds by the United Kingdom Government to investigate the effect of serving in the Gulf on the health of military personnel
- 2) Co-operation of the Ministry of Defence in releasing address information required for posting the questionnaires in the first phase
- 3) The quality of addresses given by the forces to the study.

### ***United Kingdom Gulf War Health Study research program***

Late in 1996 the UK government called for proposals for research into the health of military personnel who had served in the Gulf War. The program of research is administered by the Medical Research Council (MRC). A decision was imposed upon us that all research carried out in this field would best be served if it was seen to occur in an integrated fashion, resulting in a "2 phase delay" for our study. The first delay occurred whilst studies were peer reviewed and decisions made re: their funding. Subsequently, a common timetable was imposed for eg., tracing of non responders, despite the current project being further along the research path than our colleagues. However, the "umbrella" provided by the MRC has been valuable with regards to publicity for our project.

### ***Release of administrative details by the Ministry of Defence***

By far the greatest problem faced by the study team in the last year has been the release of military personnel address details by the Ministry of Defence (MOD). The MOD, as a governmental organisation, has little experience of conducting large-scale medical research or dealing with confidential material with non military and non governmental organisations, unlike the US Veterans Administration. The result of this was that they were very hesitant about releasing their confidential details to non military organisations. It took a long time to eventually obtain permission to have the address details, after agreeing to comply with numerous security issues. Having obtained permission from the Minister of the Armed Forces, there was a considerable delay in the permission filtering down through the hierarchy of the MOD. There was also delay whilst the MOD removed the names of members of the Special Forces, who, for policy and security reasons were excluded from these studies. Other

problems were encountered with those personnel whose addresses were listed in Northern Ireland (again for security reasons).

### **Quality of addresses obtained**

The MOD has a key role to play in the collection and dissemination of the military personnel address details. When address information was received from the Data Analysis and Statistical Agency, the MOD had to ensure that certain individuals names were removed from the listing before they were provided to the study teams. In addition, the MOD had sole responsibility for removing from the list those individuals who were deceased. The latter involved liaising with the NHS-CR, again in collaboration with the other two study teams. This necessary screening procedure introduced delays into our research program, as the questionnaires could not be despatched before the addresses were received.

The study sample included military personnel from the three services, army, navy and air force. There was a marked lack of consistency across the forces in not only the quality of addresses that they supplied to the MOD, but also in the content of the addresses. For example inconsistent unit and administrative addresses were sometimes supplied, with no explanation. This lack of consistency introduced a level of uncertainty into the study, which had to be resolved before the mailing could take place.

The addresses were supplied in the form of a database: ACCESS for Windows 95, version 7. This program was also used to produce necessary labels for mailing. Addresses have been supplied with a mixture of separated address fields, and long string variables which have to be manually converted into appropriate address fields. This process was not only time consuming, but served to highlight the incompleteness of the address fields. These issues had to be resolved such that the individuals identified by the random sampling for inclusion into the study in fact had a secure and reliable mailing addresses, and so received a questionnaire.

### **Office Space**

It has been necessary to renovate offices to suite the security requirements specified by the MOD. This has been a lengthy procedure, necessitating negotiations with the King's College School of Medicine and Dentistry, in whose grounds we are located. However, the renovation work is nearing completion, and our Gulf War Illnesses Research Unit was relocated in September 1997.

An archive of published research is being compiled for reference and stored on site along with an electronic reference database.

### **Future planning**

Once the first phase of the project is completed, individuals identified as "cases", along with appropriate comparison group, will be invited to attend for the second phase of the study. An application has been made to the Department of Defence for additional funding for this phase, which will include detailed invasive and non-invasive neurophysiological and neuropsychological tests.

## **Study Personnel**

Study Co directors

Professor Simon Wessely MD.,

Professor Anthony David MD.

Military Advisor

Lieutenant Colonel John Graham

Statistician

Mr. Nick Blatchley

Study Co-ordinator

Ms Susan Ferry,

BSc, MSc Epidemiology

Research Assistant

Ms Lisa Hull

BSc Applied Psychology and Sociology

At the end of June 1997, Susan Ferry resigned as study Co-ordinator , and was replaced by Ms. Catherine Unwin (BSc Psychology, MSc Epidemiology).

## Appendix

Questionnaires used in phase one of investigation.

| <b>Study Group</b> | <b>Questionnaire Colour</b> |
|--------------------|-----------------------------|
| 1. Gulf            | Sandy                       |
| 2. Bosnia          | Blue                        |
| 3. Era Controls    | Green                       |



King's College School of Medicine and Dentistry  
Bessemer Road, London SE5 9PJ  
Telephone/Facsimile - 0171 737 5267

**KING'S**  
College  
**LONDON**  
Founded 1829

## HEALTH SURVEY OF MILITARY PERSONNEL

We are seeking your help to provide information for one of the largest studies of military health ever to be undertaken in the United Kingdom. We are carrying out research into the effects of serving in the Gulf War, Bosnia, and the Armed Forces as a whole, on United Kingdom military personnel. To do this we are sending a questionnaire to 13,000 current and former military personnel chosen at random. We will be asking about their health and military experiences. **This study is not funded by the MoD, and is independent of the MoD.** The MoD has given its cooperation to carry out the study, otherwise we would not be able to know who you are.

We would be most grateful if you could find 20 minutes to complete this questionnaire. **IT IS IMPORTANT FOR US TO RECEIVE YOUR REPLY EVEN IF YOU DO NOT HAVE ANY HEALTH PROBLEMS OR IF YOU NO LONGER SERVE IN THE ARMED FORCES.** A pen and envelope are provided for the easy completion and return of the questionnaire. The postage is already paid. **As a token of our appreciation, when we have received your completed questionnaire, you will have the opportunity to have your name entered in a £1,000 prize draw if you so wish.**

All the information collected will be treated in such a way that you will not, and never can be, identified by anyone other than the research team. It will be secured against all unauthorised access. Your responses are totally confidential and no third party will ever be allowed access to the data. We guarantee that the results of the study will be published when ready.

You are under no obligation whatsoever to take part in the study. Nevertheless, we must emphasise how vital your participation is to the understanding of the effects of military service on health. This will be of importance not just to you as an individual, but to military and former military personnel as a group and to others in the future.

If you have any concerns or questions, please write or telephone the Study Co-ordinator Catherine Unwin at the Gulf War Illnesses Research Unit, the phone number and address are at the top of this page. We will be pleased to try and answer any questions you have.

Thanking you in anticipation of your help.

Yours sincerely,

Professor Simon Wessely  
Co-director

Professor Anthony David  
Co-director

**We would like a few background details first.**

1. What is your date of birth?

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
Date      Month      Year

2. Are you:

Male <sup>1</sup>      Female <sup>2</sup>

3. Do you consider yourself to be:

|                 |                                       |             |  |
|-----------------|---------------------------------------|-------------|--|
| White           | <input type="checkbox"/> <sup>1</sup> | Pakistani   | <input type="checkbox"/> <sup>6</sup>  |
| Black Caribbean | <input type="checkbox"/> <sup>2</sup> | Bangladeshi | <input type="checkbox"/> <sup>7</sup>  |
| Black/African   | <input type="checkbox"/> <sup>3</sup> | Chinese     | <input type="checkbox"/> <sup>8</sup>  |
| Black/other     | <input type="checkbox"/> <sup>4</sup> | Asian/other | <input type="checkbox"/> <sup>9</sup>  |
| Indian          | <input type="checkbox"/> <sup>5</sup> | Other       | <input type="checkbox"/> <sup>10</sup> |

4. What is your current marital status?

|                     |                                       |           |                                       |
|---------------------|---------------------------------------|-----------|---------------------------------------|
| Married             | <input type="checkbox"/> <sup>1</sup> | Separated | <input type="checkbox"/> <sup>4</sup> |
| Living with partner | <input type="checkbox"/> <sup>2</sup> | Divorced  | <input type="checkbox"/> <sup>5</sup> |
| Never married       | <input type="checkbox"/> <sup>3</sup> | Widowed   | <input type="checkbox"/> <sup>6</sup> |

5. **For females;**

a) Have you ever been pregnant or ever tried to become pregnant?

Yes <sup>1</sup>      No <sup>2</sup>

**For males;**

b) Have you ever fathered a pregnancy or ever tried to father a child?

Yes <sup>1</sup>      No <sup>2</sup>

6. a) What is the highest level of education that you completed?

|   |                                       |
|---|---------------------------------------|
| Left school before taking 'O' Levels/GCSE's | <input type="checkbox"/> <sup>1</sup> |
| 'O' levels/ GCSE's                          | <input type="checkbox"/> <sup>2</sup> |
| 'A' levels/Highers                          | <input type="checkbox"/> <sup>3</sup> |
| Degree                                      | <input type="checkbox"/> <sup>4</sup> |

b) What qualifications have you gained since joining the military?

---

---

---

7. a) Are you currently working:

|   |                                       |
|---|---------------------------------------|
| Full-time                                     | <input type="checkbox"/> <sup>1</sup> |
| Part-time                                     | <input type="checkbox"/> <sup>2</sup> |
| Unemployed but seeking work                   | <input type="checkbox"/> <sup>3</sup> |
| Not working because of ill health/ disability | <input type="checkbox"/> <sup>4</sup> |
| Retired from the military                     | <input type="checkbox"/> <sup>5</sup> |
| Retired from all work                         | <input type="checkbox"/> <sup>6</sup> |

b) What is your current/most recent occupation?

---

---

---

8. Did a change in your health cause you to change your employment?

Yes <sup>1</sup>

No <sup>2</sup>

**We would now like to know some information about your lifestyle.**

**For our study a regular smoker is someone who has smoked at least one cigarette a day for at least one year.**

9.a) Have you smoked more than 5 packets of cigarettes (5 x 20) in your lifetime?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9b**

**If NO, go to question 10a**

b) If **YES**, are you **currently** a regular smoker?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9c**

**If NO, go to question 10a**

c) If **YES**, how many cigarettes do you smoke?

\_\_\_\_\_ cigarettes per day

**Here are some questions about how much you drink.**

10.a) On average, how many units (1 unit = half pint of beer or a glass of wine) of alcohol per week do you have?

None <sup>1</sup>

1-3 units <sup>2</sup>

4-10 units <sup>3</sup>

11-20 units <sup>4</sup>

21-30 units <sup>5</sup>

More than 30 units <sup>6</sup>

b) Have you changed your alcohol intake in the last five years?

No <sup>1</sup>

Yes, increased <sup>2</sup>

Yes, reduced <sup>3</sup>

11. The following questions are about activities you might do during a typical day, and whether your health limits you in these activities.

| Has your health limited you in:  | No, not<br>limited<br>at all                                | Yes,<br>limited<br>a little                                 | Yes,<br>limited<br>a lot                                    |
|--|---|---|---|
| a) <b>Vigorous activities</b> , such as running, lifting heavy objects, participating in strenuous sports (e.g. Football)?   | <input type="checkbox"/> <sup>1</sup><br>(Please go to 11c) | <input type="checkbox"/> <sup>2</sup><br>(Please go to 11b) | <input type="checkbox"/> <sup>3</sup><br>(Please go to 11b) |
| b) <b>Moderate activities</b> , such as moving a table, pushing a vacuum cleaner, ten-pin bowling, or swimming?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Lifting or carrying groceries?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing <b>several</b> flights of stairs?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing <b>one</b> flight of stairs?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bending, kneeling, or stooping?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking <b>more than one</b> mile?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking 100 yards?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bathing and dressing yourself?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| c) In the <u>past month</u> , to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbours, or groups? |   |   |   |
| Not at all   | <input type="checkbox"/> <sup>1</sup>                       |   |   |
| Slightly   | <input type="checkbox"/> <sup>2</sup>                       |   |   |
| Moderately   | <input type="checkbox"/> <sup>3</sup>                       |   |   |
| Quite a bit  | <input type="checkbox"/> <sup>4</sup>                       |   |   |
| Extremely  | <input type="checkbox"/> <sup>5</sup>                       |   |   |

d) During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities as a result of your physical health?

|  | YES                                   | NO                                    |
|--|---------------------------------------|---------------------------------------|
| Cut down on the <b>amount of time</b> you spent on work or other activities              | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| <b>Accomplished less</b> than you would like   | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Were limited in the <b>kind</b> of work or other activities                              | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Had <b>difficulty</b> performing the work or other activities (eg. it took extra effort) | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |

e) Please choose the answer that best describes how true or false each of the following statements are for you.

(Please tick one box on each line)

|   | Definitely true                       | Mostly true                           | Mostly false                          | Definitely false                      |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| I seem to get ill more easily than other people | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I am as healthy as anybody I know               | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I expect my health to get worse                 | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| My health is excellent                          | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |

f) Have you experienced a change in your functioning since the **GULF WAR**?

Yes <sup>1</sup>      No <sup>2</sup>      Not applicable <sup>3</sup>

If **YES**, do you attribute this change to your service in the **GULF**?

Yes <sup>1</sup>      No <sup>2</sup>

g) Have you experienced a change in your functioning since **BOSNIA**?

Yes <sup>1</sup>      No <sup>2</sup>      Not applicable <sup>3</sup>

If **YES**, do you attribute this change to your service in **BOSNIA**?

Yes <sup>1</sup>      No <sup>2</sup>

**12. This section asks you about your military background.**

**a) When you joined the military-**

|                                      |  |  |  |  |
|--------------------------------------|--|--|--|--|
| i) were you in:                      | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) were you a:                      | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank? | _____  |  |  |  |
| iv) Which Unit did you join?         | _____  |  |  |  |
| v) Which Corps did you join?         | _____  |  |  |  |

**b) If you were deployed to the GULF-**

|  |  |  |  |  |
|--|--|--|--|--|
| i) when you were deployed were you in:                 | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) when you were deployed were you a:                 | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank on being deployed? | _____  |  |  |  |
| iv) Which Unit were you in on deployment?              | _____  |  |  |  |
| v) Which Corps were you in on deployment?              | _____  |  |  |  |

**c) If you were deployed to BOSNIA-**

|  |  |  |  |  |
|--|--|--|--|--|
| i) when you were deployed were you in:                 | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) when you were deployed were you a:                 | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank on being deployed? | _____  |  |  |  |
| iv) Which Unit were you in on deployment?              | _____  |  |  |  |
| v) Which Corps were you in on deployment?              | _____  |  |  |  |

d) Are you still in the military? Yes <sup>1</sup> No <sup>2</sup>

**IF YES:**

i) Are you in: Army <sup>1</sup> Royal Marines <sup>2</sup> Royal Navy <sup>3</sup> Royal Air Force <sup>4</sup>

ii) Are you a: Regular <sup>1</sup> Regular Reservist <sup>2</sup> Volunteer Reservist (TA/RNR/ RRAF) <sup>3</sup> Other <sup>4</sup> (Please specify) \_\_\_\_\_

iii) What is your substantive rank? \_\_\_\_\_

iv) Which Unit are you in? \_\_\_\_\_

v) Which Corps are you in? \_\_\_\_\_

**IF NO:**

vi) Were you medically discharged? Yes <sup>1</sup> No <sup>2</sup>

vii) What was your substantive rank on leaving the military? \_\_\_\_\_

**e) FOR EVERYONE TO ANSWER PLEASE.**

i) Please state the number of years you have been or were in each of the following:

eg. Regular 3 Regular Reservist 0 Volunteer Reservist 0

Regular \_\_\_\_\_ Regular Reservist \_\_\_\_\_ Volunteer Reservist \_\_\_\_\_

ii) Did you deploy on; (Please tick all that apply)

OP Granby <sup>a</sup>

OP Corporate <sup>b</sup>

OP Hanwood <sup>c</sup>

OP Grapple <sup>d</sup> Which OP Grapple? \_\_\_\_\_ <sup>d1</sup>

Others <sup>e</sup> Please specify \_\_\_\_\_

e1

iii) How many tours to Northern Ireland have you been on?

None

Number of tours \_\_\_\_\_

**13. This section asks about your deployment to the GULF AND/ OR BOSNIA.**

If you have been to one theatre, please fill out the appropriate column. If you have been to both the GULF and BOSNIA please complete BOTH columns.

|   | Please complete this column if you were deployed to the GULF.   | Please complete this column if you were deployed to BOSNIA.   |
|---|---|---|
| Were you:   | Ordered to serve <input type="checkbox"/> <sup>1</sup> Volunteered to serve <input type="checkbox"/> <sup>2</sup>   | Ordered to serve <input type="checkbox"/> <sup>1</sup> Volunteered to serve <input type="checkbox"/> <sup>2</sup>   |
| Did you undertake pre-deployment training?                                | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  |
| Did you deploy;   | With your complete unit <input type="checkbox"/> <sup>1</sup><br>As part of your unit <input type="checkbox"/> <sup>2</sup><br>As an individual <input type="checkbox"/> <sup>3</sup>   | With your complete unit <input type="checkbox"/> <sup>1</sup><br>As part of your unit <input type="checkbox"/> <sup>2</sup><br>As an individual reinforcement <input type="checkbox"/> <sup>3</sup>   |
| During your tour did you leave theatre?                                   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  |
| Before your deployment where were you based? (Please state nearest town)  |   |   |
| During your deployment where were you based? (Please tick all that apply) | Iraq <input type="checkbox"/> <sup>a</sup><br>Saudi Arabia <input type="checkbox"/> <sup>b</sup><br>Kuwait <input type="checkbox"/> <sup>c</sup><br>Other <input type="checkbox"/> <sup>d</sup><br>(Please specify) <sup>d1</sup> | Tomislavgrad <input type="checkbox"/> <sup>f</sup><br>Gorazde <input type="checkbox"/> <sup>g</sup><br>Gornji Vakuf <input type="checkbox"/> <sup>h</sup><br>Tuzla <input type="checkbox"/> <sup>i</sup><br>Other <input type="checkbox"/> <sup>j</sup><br>(Please specify) <sup>j1</sup> |
| If in the Navy, which ship were you on?                                   |   |   |
| Where did you return after deployment? (Please state nearest town)        |   |   |
| How long did you spend in camp on your return before demobilising?        | _____ days _____ weeks  | _____ days _____ weeks  |
| Did you take time off before returning to work?<br>If YES, how long?      | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  |

Continued.....

|   | Please complete this column if you were deployed to the GULF  | Please complete this column if you were deployed to BOSNIA.   |
|---|---|---|
| What was your primary duty?   | Engaged in combat <input type="checkbox"/> <sup>1</sup><br>Combat support<br>Signals <input type="checkbox"/> <sup>2</sup><br>Medical <input type="checkbox"/> <sup>3</sup><br>Logistics <input type="checkbox"/> <sup>4</sup><br>Staff duties <input type="checkbox"/> <sup>5</sup><br>Other <input type="checkbox"/> <sup>6</sup><br>(Please specify) _____<br>_____<br>_____ | Engaged in combat <input type="checkbox"/> <sup>1</sup><br>Combat support<br>Signals <input type="checkbox"/> <sup>2</sup><br>Medical <input type="checkbox"/> <sup>3</sup><br>Logistics <input type="checkbox"/> <sup>4</sup><br>Staff duties <input type="checkbox"/> <sup>5</sup><br>Other <input type="checkbox"/> <sup>6</sup><br>(Please specify) _____<br>_____<br>_____ |
| What were your specific duties?   | _____<br>_____<br>_____   | _____<br>_____<br>_____   |
| Where you involved in an "incident" at any time?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  |
| If YES:<br>What was it?   | _____<br>_____  | _____<br>_____  |
| What was your involvement in it?  | _____<br>_____  | _____<br>_____  |
| When was it?<br>(Please specify an approximate date)                                    | _____   | _____   |
| For how long did the "incident" last?<br>(Please specify an approximate length of time) | _____   | _____   |

Did any of the military actions you took, or didn't take, directly cause the death of another person?    Yes  <sup>1</sup>    No  <sup>2</sup>

If you were deployed to the Gulf, were you stationed within 30 miles of Khamisiyah at any time?    Yes  <sup>1</sup>    No  <sup>2</sup>    Don't Know  <sup>8</sup>

Not applicable

**14. We would like to know about your experiences whilst in theatre.**

Please tick whether you have **EVER** had any direct contact with, or were exposed to, any of the items listed below. Indicate whether this was when you were in the **GULF** and/ or **BOSNIA**. If so, please estimate how often you were exposed and whether you had an adverse reaction to it.

|  | EVERYONE please complete this column           |                          | Please complete this column if you were deployed to the GULF |                          |   |                                     | Please complete this column if you were deployed to BOSNIA |              |   |                          |   |                                     |
|--|--|--------------------------|--|--------------------------|---|-------------------------------------|--|--------------|---|--------------------------|---|-------------------------------------|
|  | Have you <u>EVER</u> been in contact with? (a) |                          | Were you in contact with this when you were in the GULF? (b) |                          | If YES, how many times were you exposed to this item? (c) |                                     | Were you in contact with this when you were in Bosnia? (b) |              | If YES, how many times were you exposed to this item? (c) |                          | Did you have an adverse reaction or feel unwell as a result of this experience? (d) |                                     |
|  | Yes <sup>1</sup>                               | No <sup>2</sup>          | Yes <sup>1</sup>   | No <sup>2</sup>          | No. of times  | Yes <sup>1</sup>                    | No <sup>2</sup>  | No. of times | Yes <sup>1</sup>  | No <sup>2</sup>          | Yes <sup>1</sup>  | No <sup>2</sup>                     |
| <b>Example;</b>  | <input checked="" type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/>                          | <input type="checkbox"/> | 5   | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                   |              | <input checked="" type="checkbox"/>                       | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Smoke from oil well fires.                                 | <input checked="" type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> | 2   | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                   | 1            | <input checked="" type="checkbox"/>                       | <input type="checkbox"/> |   | <input checked="" type="checkbox"/> |
| Burning rubbish or faeces                                  | <input checked="" type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Now please complete the table below.                       |  |                          |  |                          |   |                                     |  |              |   |                          |   |                                     |
| Smoke from oil well fires                                  | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Exhaust from heaters or generators (eg. Kerosene heaters)  | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Diesel and/or other petrochemical fumes                    | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Diesel or other petrochemical fuel on your skin            | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Burning rubbish or faeces                                  | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| CARC (Chemical Agent Resistant Compound) paint             | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Other paints, solvents, or petrochemical substances        | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Depleted uranium (DU)                                      | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Microwaves   | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Personal pesticides (e.g. creams, sprays, or flea collars) | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Pesticides on your clothing or bedding                     | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Chemical / Nerve gas attack                                | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Mustard gas or other blistering agents                     | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Food contaminated with smoke, oil or other chemicals       | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |
| Local food other than food provided by the Armed Forces    | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>                                     | <input type="checkbox"/> |   | <input type="checkbox"/>            | <input type="checkbox"/>                                   |              | <input type="checkbox"/>                                  | <input type="checkbox"/> |   | <input type="checkbox"/>            |



15. In this section we would like some information about your medical treatment whilst in the GULF AND/ OR BOSNIA.

|   | Please complete this column if you were deployed to the GULF.                      | Please complete this column if you were deployed to BOSNIA.                        |
|---|--|--|
| Do you have a record of vaccinations you have been given?   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| <p>If YES, can you please refer to this record and complete the section below.<br/>                     If NO, please do your best to remember what you have been given and complete the section below.<br/>                     Please indicate if you have not received any vaccinations.</p> |  |  |
| How many vaccinations did you receive during the 2 months before deployment?  | _____ by injection _____ by mouth  | _____ by injection _____ by mouth  |
| Please list what each vaccination was for. eg. Tetanus, anthrax, etc.   | _____<br>_____<br>_____<br>_____<br>_____<br>_____                                 | _____<br>_____<br>_____<br>_____<br>_____<br>_____                                 |
| During deployment how many vaccinations did you receive in theatre?   | _____ by injection _____ by mouth  | _____ by injection _____ by mouth  |
| Please list what each vaccination was for.  | _____<br>_____<br>_____<br>_____<br>_____<br>_____                                 | _____<br>_____<br>_____<br>_____<br>_____<br>_____                                 |
| Did you experience any side effects from the vaccinations?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| While in the military have you used NAPS (little white pills in foil packs), which are used to protect against nerve agents?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| If YES;<br>how many days did you take NAPS?   | _____ days   |  |
| In an average day, how many NAPS did you take?  | _____ pills  |  |
| Whilst in the Gulf, did you suffer from "Saudi Flu"?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |  |

**16. The section asks about health.**

During the **PAST MONTH** have you suffered from any of the following symptoms. If so, please tick how bad it is and whether you **FIRST** had this symptom **BEFORE** or **AFTER** you served in the **GULF AND/ OR BOSNIA**.

| SYMPTOMS                                | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If <u>YES</u> , how bad is it? <sup>(b)</sup> |                          |                          | Did you <u>FIRST</u> have this symptom BEFORE or AFTER you went to the GULF? <sup>(c)</sup> |                          | Did you <u>FIRST</u> have this symptom BEFORE or AFTER you went to BOSNIA? <sup>(d)</sup> |                          |    |
|---|---|--------------------------|---|--------------------------|--------------------------|---|--------------------------|---|--------------------------|----|
|   | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                             | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>   | After <sup>2</sup>       | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Chest pain                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 1  |
| Headaches                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2  |
| Rapid heartbeat                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 3  |
| Irritability/ outbursts of anger        | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 4  |
| Unable to breathe deeply enough         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 5  |
| Faster breathing than normal            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 6  |
| Feeling short of breath at rest         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 7  |
| Wheezing                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 8  |
| Sleeping difficulties                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 9  |
| Feeling jumpy/easily startled           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 10 |
| Feeling unrefreshed after sleep         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 11 |
| Fatigue                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 12 |
| Double vision                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 13 |
| Intolerance to alcohol                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 14 |
| Itchy or painful eyes                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 15 |
| Shaking                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 16 |
| Tingling in fingers and arms            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 17 |
| Tingling in legs and arms               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 18 |
| Numbness or tingling in fingers or toes | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 19 |
| Feeling distant or cut off from others  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 20 |
| Constipation                            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 21 |
| Flatulence or burping                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 22 |
| Stomach cramp                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 23 |
| Diarrhoea                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 24 |
| Dry mouth                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 25 |

Continued.....

| SYMPTOMS   | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If YES, how bad is it? <sup>(b)</sup> |                          |                          | Did you FIRST have this symptom BEFORE or AFTER you went to the GULF? <sup>(c)</sup> |                          | Did you FIRST have this symptom BEFORE or AFTER you went to BOSNIA? <sup>(d)</sup> |                          |    |
|--|---|--------------------------|---------------------------------------|--------------------------|--------------------------|--|--------------------------|--|--------------------------|----|
|  | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                     | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>  | After <sup>2</sup>       | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| Persistent cough                                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 26 |
| Lump in throat                                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 27 |
| Sore throat  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 28 |
| Forgetfulness  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 29 |
| Dizziness  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 30 |
| Feeling disorientated                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 31 |
| Loss of concentration                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 32 |
| Pain on passing urine                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 33 |
| Passing urine more often                             | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 34 |
| Burning sensation in the sex organs                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 35 |
| Loss of interest in sex                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 36 |
| Increased sensitivity to noise                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 37 |
| Increased sensitivity to light                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 38 |
| Ringling in the ears                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 39 |
| Avoiding doing things/ situations                    | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 40 |
| Pain, without swelling or redness, in several joints | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 41 |
| Joint stiffness                                      | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 42 |
| Night sweats which soak the bedsheets                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 43 |
| Feeling feverish                                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 44 |
| Loss or decrease in appetite                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 45 |
| Nausea   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 46 |
| Vomiting   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 47 |
| Distressing dreams                                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 48 |
| Unintended weight gain greater than 10lbs            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 49 |
| Unintended weight loss greater than 10lbs            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 50 |

If you have ticked **YES** to any of the symptoms listed;

(a) what do you think is wrong with you?

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(b)

| (Please complete this column if you were deployed to the GULF)  | (Please complete this column if you were deployed to BOSNIA)  |
|---|---|
| Do you think any of these symptoms have been caused by serving in the Gulf?<br><br>Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Do you think any of these symptoms have been caused by serving in Bosnia?<br><br>Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| If <b>YES</b> , which ones?<br><hr/> <hr/> <hr/> <hr/> <hr/>  | If <b>YES</b> , which ones?<br><hr/> <hr/> <hr/> <hr/> <hr/>  |

17. During the **PAST YEAR** did you have any of the following medical problems/ conditions? Please tick the appropriate box below. If **YES**, could you please tick whether you **FIRST** had this problem **BEFORE** or **AFTER** you went to the **GULF AND/ OR BOSNIA**.

| CONDITION                           | Have you had any of the following in the PAST YEAR? |                          | If YES, did you FIRST have this problem BEFORE or AFTER you went to the GULF? <sup>(b)</sup> |                          | If YES, did you FIRST have this problem BEFORE or AFTER you went to BOSNIA? <sup>(c)</sup> |                          |    |
|-------------------------------------|---|--------------------------|--|--------------------------|--|--------------------------|----|
|                                     | Yes <sup>1</sup>                                    | No <sup>2</sup>          | Before <sup>1</sup>  | After <sup>2</sup>       | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| High blood pressure                 | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 1  |
| Heart disease                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 2  |
| Stroke                              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 3  |
| Epilepsy                            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 4  |
| Migraines                           | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 5  |
| Asthma                              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 6  |
| Loss of hearing                     | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 7  |
| Bronchitis                          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 8  |
| Pneumonia                           | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 9  |
| Tuberculosis (TB)                   | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 10 |
| Malaria                             | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 11 |
| Sinus problems                      | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 12 |
| Ear infection                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 13 |
| Stomach or duodenal ulcers          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 14 |
| Colitis/ Crohn's disease            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 15 |
| Yellow jaundice or Hepatitis        | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 16 |
| Cirrhosis of the liver              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 17 |
| A thyroid problem                   | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 18 |
| Diabetes                            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 19 |
| Kidney (renal) disease              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 20 |
| Frequent bladder infections         | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 21 |
| Arthritis or rheumatism             | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 22 |
| Fibrositis or fibromyalgia          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 23 |
| Back problems                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 24 |
| Skin cancer                         | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 25 |
| Any other kind of cancer            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 26 |
| Please specify site of cancer _____ |   |                          |  |                          |  |                          |    |

Continued.....

| CONDITION   | Have you had any of the following in the PAST YEAR? <sup>(a)</sup> |                          | If YES, did you FIRST have this problem BEFORE or AFTER you went to the GULF? <sup>(b)</sup> |                          | If YES, did you FIRST have this problem BEFORE or AFTER you went to BOSNIA? <sup>(c)</sup> |                          |    |
|---|--|--------------------------|--|--------------------------|--|--------------------------|----|
|   | Yes <sup>1</sup>   | No <sup>2</sup>          | Before <sup>1</sup>  | After <sup>2</sup>       | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| Chronic Fatigue Syndrome/ ME  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 27 |
| Multiple chemical sensitivity or environmental illness                        | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 28 |
| Yeast disease or candidiasis  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 29 |
| Hayfever  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 30 |
| Eczema or psoriasis   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 31 |
| Dermatitis or any other skin problem  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 32 |
| Any disease of the hair or scalp, including hair loss                         | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 33 |
| Any disease of the genital organs   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 34 |
| Subfertility  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 35 |
| Sexual problems   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 36 |
| <b>FOR WOMEN ONLY;</b>  |  |                          |  |                          |  |                          |    |
| Premenstrual tension  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 37 |
| Period problems   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 38 |
| Miscarriages  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 39 |
| Any other symptoms/ health conditions we have not mentioned? (Please specify) |  |                          |  |                          |  |                          | 40 |
| 1) _____  |  |                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> |    |
| 2) _____  |  |                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 41 |
| 3) _____  |  |                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 42 |
| 4) _____  |  |                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 43 |

**18. We would now like to know whether any of the following smells or substances affect you, that is, bring about symptoms\*.**

\*A symptom means your awareness of some discomfort or bothersome change, eg. sneezing, runny eyes, pain, swelling, nausea, or trouble concentrating. Please tick the appropriate box. If you have a symptom, please indicate if you had it **BEFORE** or **AFTER** you went to the **GULF AND/ OR BOSNIA**.

|  | Do any of the following cause you to have symptoms? <sup>(a)</sup> |                          |                          | If <b>YES</b> , did you <b>FIRST</b> have symptoms <b>BEFORE</b> or <b>AFTER</b> you went to the <b>GULF</b> ? <sup>(b)</sup> |                          | If <b>YES</b> , did you <b>FIRST</b> have symptoms <b>BEFORE</b> or <b>AFTER</b> you went to <b>BOSNIA</b> ? <sup>(c)</sup> |                          |    |
|--|--|--------------------------|--------------------------|---|--------------------------|---|--------------------------|----|
|  | Yes <sup>1</sup>   | No <sup>2</sup>          | Don't know <sup>3</sup>  | Before <sup>1</sup>   | After <sup>2</sup>       | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Smog or air pollution  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 1  |
| Cigarette smoke  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2  |
| Vehicle exhaust or fumes   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 3  |
| Copiers or laser printers  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 4  |
| Newspapers, magazines, or other newsprint                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 5  |
| Pesticides, herbicides, insecticides, or fertilizers               | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 6  |
| New office buildings or homes (eg. sealed windows)                 | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 7  |
| Carpeting or curtains  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 8  |
| Organic chemicals, solvents, glues, paints, or fuel                | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 9  |
| Cosmetics, perfumes, hair spray, deodorants, nail polish, or soaps | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 10 |
| Anything else?<br>(Please specify)                                 |  |                          |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 11 |

**19. We would like to know whether or not you have been having any problems with feeling tired, weak or lacking in energy in the last few weeks.**

Please answer **ALL** the questions simply by **underlining** or **circling** the answer which you think most nearly applies to you.

|   | 1                 | 2                   | 3                | 4                     |
|---|-------------------|---------------------|------------------|-----------------------|
| Do you have problems with tiredness?                    | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you need to rest more?                               | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you feel sleepy or drowsy?                           | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have problems starting things?                   | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you lack energy?                                     | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have less strength in your muscles?              | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you feel weak?                                       | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you have difficulty concentrating?                   | Less than usual   | Same as usual       | Worse than usual | Much worse than usual |
| Do you make slips of the tongue when speaking?          | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do you find it more difficult to find the correct word? | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| How is your memory?                                     | Better than usual | No worse than usual | Worse than usual | Much worse than usual |
| Do your muscles hurt at rest?                           | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do your muscles hurt after exercise?                    | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |

**20. Here are some questions about aches and pains.**

We would like you to think back over the **PAST MONTH**, then **PLEASE TICK ONE BOX FOR EACH QUESTION.**

a) During the **PAST MONTH** have you had any ache or pain which has lasted for one day or longer?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, please answer all the questions below.**

**If NO, please turn to question 21.**

b) Do you have any pain **NOW**?

Yes <sup>1</sup>

No <sup>2</sup>

c) When did the pain start?

Less than 3 months ago

<sup>1</sup>

More than 3 months ago

<sup>2</sup>

d) What do you think has been the cause of your pain?

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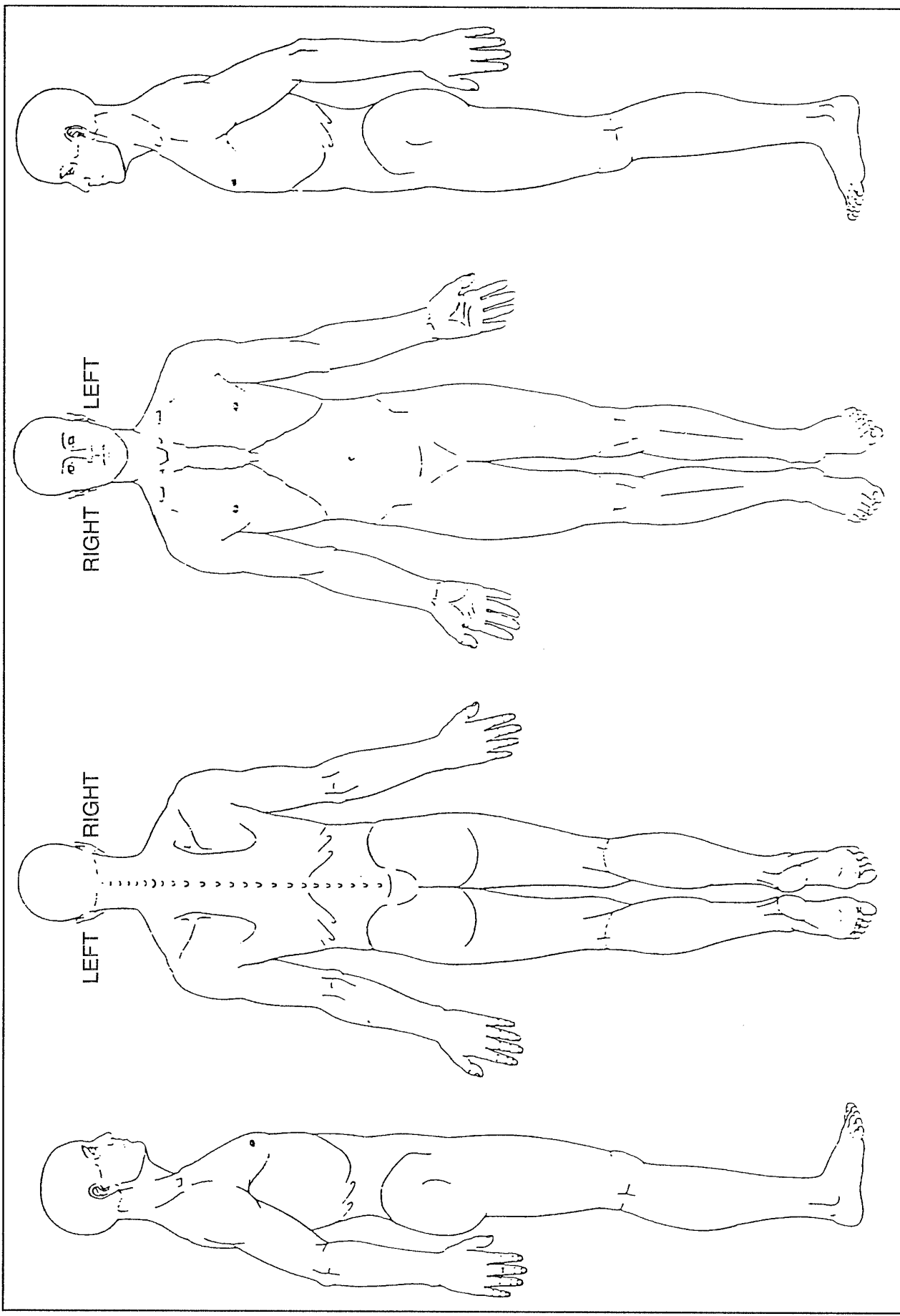
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**OVER THE PAGE YOU WILL FIND FOUR DIAGRAMS OF THE BODY.**

**PLEASE SHADE IN THE DIAGRAMS WHERE YOU FELT OR FEEL THE ACHES AND PAINS.**



## 21. Here are some general questions about your health

Please answer all the questions on the page by **underlining** or **circling** the answer you think most closely applies to you.

### HAVE YOU RECENTLY:-

|   | 1                  | 2                   | 3                      | 4                    |
|---|--------------------|---------------------|------------------------|----------------------|
| Been able to concentrate on whatever you're doing?    | Better than usual  | Same as usual       | Less than usual        | Much less than usual |
| Lost much sleep over worry?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt that you are playing a useful part in things?    | More so than usual | Same as usual       | Less useful than usual | Much less useful     |
| Felt capable of making decisions about things?        | More so than usual | Same as usual       | Less so than usual     | Much less capable    |
| Felt under constant strain?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt you couldn't overcome your difficulties?         | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been able to enjoy your normal day-to-day activities? | More so than usual | Same as usual       | Less so than usual     | Much less than usual |
| Been able to face up to your problems?                | More so than usual | Same as usual       | Less able than usual   | Much less able       |
| Been feeling unhappy and depressed?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been losing confidence in yourself?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been thinking of yourself as a worthless person?      | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been feeling reasonably happy, all things considered? | More so than usual | About same as usual | Less so than usual     | Much less than usual |

22.a) Do you know people who are sick with "Gulf War Syndrome"?

Yes <sup>1</sup> No <sup>2</sup>

b) Do you think you have "Gulf War Syndrome"?

Yes <sup>1</sup> No <sup>2</sup> Not applicable

c) Are there any other military experiences or exposures we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If YES, can you briefly describe them

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d) Are there other health concerns we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If YES, can you briefly describe them

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e) In general, would you say your health is:

Excellent <sup>1</sup>  
Very good <sup>2</sup>  
Good <sup>3</sup>  
Fair <sup>4</sup>  
Poor <sup>5</sup>

23. If there is anything you would like to add please do so below:



**ONCE THE STUDY TEAM HAS RECEIVED YOUR QUESTIONNAIRE THIS PAGE WILL BE DETACHED TO ENSURE CONFIDENTIALITY**

It would be useful if we could contact you in the future. We would be grateful if you could indicate in the box below a preferred contact address, time, and telephone number. Thank you.

Name:

Address:

Post code:

Telephone No:

Dialing code

Number

Contact time: Daytime  Evening  Anytime

Signature:

*The medical research team may wish to access your medical records. If you wish to prevent such access, please indicate below.*

*I refuse the research team access to my medical records*

We are very grateful for your assistance in completing this questionnaire. As a token of our gratitude, we are offering you the opportunity to have your name entered in a £1000 prize draw. If you do not want your name entered in the prize draw, please tick the box below.

I do not want my name entered in the prize draw

Before returning the questionnaire in the envelope provided, could you please check that all the questions have been answered.

**FINALLY, THANK YOU VERY MUCH FOR COMPLETING THIS QUESTIONNAIRE**



King's College School of Medicine and Dentistry  
Bessemer Road, London SE5 9PJ  
Telephone/Facsimile - 0171 737 5267

**KING'S**  
College  
LONDON  
Founded 1829

## HEALTH SURVEY OF MILITARY PERSONNEL

We are seeking your help to provide information for one of the largest studies of military health ever to be undertaken in the United Kingdom. We are carrying out research into the effects of serving in the Gulf War, Bosnia, and the Armed Forces as a whole, on United Kingdom military personnel. To do this we are sending a questionnaire to 13,000 current and former military personnel chosen at random. We will be asking about their health and military experiences. **This study is not funded by the MoD, and is independent of the MoD.** The MoD has given its cooperation to carry out the study, otherwise we would not be able to know who you are.

We would be most grateful if you could find 20 minutes to complete this questionnaire. **IT IS IMPORTANT FOR US TO RECEIVE YOUR REPLY EVEN IF YOU DO NOT HAVE ANY HEALTH PROBLEMS OR IF YOU NO LONGER SERVE IN THE ARMED FORCES.** A pen and envelope are provided for the easy completion and return of the questionnaire. The postage is already paid. **As a token of our appreciation, when we have received your completed questionnaire, you will have the opportunity to have your name entered in a £1,000 prize draw if you so wish.**

All the information collected will be treated in such a way that you will not, and never can be, identified by anyone other than the research team. It will be secured against all unauthorised access. Your responses are totally confidential and no third party will ever be allowed access to the data. We guarantee that the results of the study will be published when ready.

You are under no obligation whatsoever to take part in the study. Nevertheless, we must emphasise how vital your participation is to the understanding of the effects of military service on health. This will be of importance not just to you as an individual, but to military and former military personnel as a group and to others in the future.

If you have any concerns or questions, please write or telephone the Study Co-ordinator Catherine Unwin at the Gulf War Illnesses Research Unit, the phone number and address are at the top of this page. We will be pleased to try and answer any questions you have.

Thanking you in anticipation of your help.

Yours sincerely,

Professor Simon Wessely  
Co-director

Professor Anthony David  
Co-director

**We would like a few background details first.**

1. What is your date of birth?

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
Date      Month      Year

2. Are you:

Male <sup>1</sup>      Female <sup>2</sup>

3. Do you consider yourself to be:

|                 |                                       |             |  |
|-----------------|---------------------------------------|-------------|--|
| White           | <input type="checkbox"/> <sup>1</sup> | Pakistani   | <input type="checkbox"/> <sup>6</sup>  |
| Black Caribbean | <input type="checkbox"/> <sup>2</sup> | Bangladeshi | <input type="checkbox"/> <sup>7</sup>  |
| Black/African   | <input type="checkbox"/> <sup>3</sup> | Chinese     | <input type="checkbox"/> <sup>8</sup>  |
| Black/other     | <input type="checkbox"/> <sup>4</sup> | Asian/other | <input type="checkbox"/> <sup>9</sup>  |
| Indian          | <input type="checkbox"/> <sup>5</sup> | Other       | <input type="checkbox"/> <sup>10</sup> |

4. What is your current marital status?

|                     |                                       |           |                                       |
|---------------------|---------------------------------------|-----------|---------------------------------------|
| Married             | <input type="checkbox"/> <sup>1</sup> | Separated | <input type="checkbox"/> <sup>4</sup> |
| Living with partner | <input type="checkbox"/> <sup>2</sup> | Divorced  | <input type="checkbox"/> <sup>5</sup> |
| Never married       | <input type="checkbox"/> <sup>3</sup> | Widowed   | <input type="checkbox"/> <sup>6</sup> |

5. **For females;**

a) Have you ever been pregnant or ever tried to become pregnant?

Yes <sup>1</sup>      No <sup>2</sup>

**For males;**

b) Have you ever fathered a pregnancy or ever tried to father a child?

Yes <sup>1</sup>      No <sup>2</sup>

6. a) What is the highest level of education that you completed?

|   |                                       |
|---|---------------------------------------|
| Left school before taking 'O' Levels/GCSE's | <input type="checkbox"/> <sup>1</sup> |
| 'O' levels/ GCSE's                          | <input type="checkbox"/> <sup>2</sup> |
| 'A' levels/Highers                          | <input type="checkbox"/> <sup>3</sup> |
| Degree                                      | <input type="checkbox"/> <sup>4</sup> |

b) What qualifications have you gained since joining the military?

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7. a) Are you currently working:

|   |                                       |
|---|---------------------------------------|
| Full-time                                     | <input type="checkbox"/> <sup>1</sup> |
| Part-time                                     | <input type="checkbox"/> <sup>2</sup> |
| Unemployed but seeking work                   | <input type="checkbox"/> <sup>3</sup> |
| Not working because of ill health/ disability | <input type="checkbox"/> <sup>4</sup> |
| Retired from the military                     | <input type="checkbox"/> <sup>5</sup> |
| Retired from all work                         | <input type="checkbox"/> <sup>6</sup> |

b) What is your current/most recent occupation?

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8. Did a change in your health cause you to change your employment?

Yes <sup>1</sup>

No <sup>2</sup>

**We would now like to know some information about your lifestyle.**

**For our study a regular smoker is someone who has smoked at least one cigarette a day for at least one year.**

9.a) Have you smoked more than 5 packets of cigarettes (5 x 20) in your lifetime?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9b**

**If NO, go to question 10a**

b) If **YES**, are you **currently** a regular smoker?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9c**

**If NO, go to question 10a**

c) If **YES**, how many cigarettes do you smoke?

\_\_\_\_\_ cigarettes per day

**Here are some questions about how much you drink.**

10.a) On average, how many units (1 unit = half pint of beer or a glass of wine) of alcohol per week do you have?

None <sup>1</sup>

1-3 units <sup>2</sup>

4-10 units <sup>3</sup>

11-20 units <sup>4</sup>

21-30 units <sup>5</sup>

More than 30 units <sup>6</sup>

b) Have you changed your alcohol intake in the last five years?

No <sup>1</sup>

Yes, increased <sup>2</sup>

Yes, reduced <sup>3</sup>

11. The following questions are about activities you might do during a typical day, and whether your health limits you in these activities.

| Has your health limited you in:  | No, not limited at all                                      | Yes, limited a little                                       | Yes, limited a lot  |
|--|---|---|---|
| a) <b>Vigorous activities</b> , such as running, lifting heavy objects, participating in strenuous sports (e.g. Football)?   | <input type="checkbox"/> <sup>1</sup><br>(Please go to 11c) | <input type="checkbox"/> <sup>2</sup><br>(Please go to 11b) | <input type="checkbox"/> <sup>3</sup><br>(Please go to 11b) |
| b) <b>Moderate activities</b> , such as moving a table, pushing a vacuum cleaner, ten-pin bowling, or swimming?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Lifting or carrying groceries?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing <b>several</b> flights of stairs?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing <b>one</b> flight of stairs?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bending, kneeling, or stooping?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking <b>more than one mile</b> ?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking 100 yards?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bathing and dressing yourself?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| c) In the <u>past month</u> , to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbours, or groups? |   |   |   |
| Not at all   | <input type="checkbox"/> <sup>1</sup>                       |   |   |
| Slightly   | <input type="checkbox"/> <sup>2</sup>                       |   |   |
| Moderately   | <input type="checkbox"/> <sup>3</sup>                       |   |   |
| Quite a bit  | <input type="checkbox"/> <sup>4</sup>                       |   |   |
| Extremely  | <input type="checkbox"/> <sup>5</sup>                       |   |   |

d) During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities as a result of your physical health?

|  | YES                                   | NO                                    |
|--|---------------------------------------|---------------------------------------|
| Cut down on the <b>amount of time</b> you spent on work or other activities              | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| <b>Accomplished less</b> than you would like   | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Were limited in the <b>kind</b> of work or other activities                              | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Had <b>difficulty</b> performing the work or other activities (eg. it took extra effort) | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |

e) Please choose the answer that best describes how true or false each of the following statements are for you.

(Please tick one box on each line)

|   | Definitely true                       | Mostly true                           | Mostly false                          | Definitely false                      |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| I seem to get ill more easily than other people | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I am as healthy as anybody I know               | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I expect my health to get worse                 | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| My health is excellent                          | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |

f) Have you experienced a change in your functioning since the **GULF WAR?**

Yes <sup>1</sup>      No <sup>2</sup>      Not applicable <sup>3</sup>

**If YES**, do you attribute this change to your service in the **GULF?**

Yes <sup>1</sup>      No <sup>2</sup>

g) Have you experienced a change in your functioning since **BOSNIA?**

Yes <sup>1</sup>      No <sup>2</sup>      Not applicable <sup>3</sup>

**If YES**, do you attribute this change to your service in **BOSNIA?**

Yes <sup>1</sup>      No <sup>2</sup>

**12. This section asks you about your military background.**

**a) When you joined the military-**

|                                      |  |  |  |  |
|--------------------------------------|--|--|--|--|
| i) were you in:                      | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) were you a:                      | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank? | _____  |  |  |  |
| iv) Which Unit did you join?         | _____  |  |  |  |
| v) Which Corps did you join?         | _____  |  |  |  |

**b) If you were deployed to the GULF-**

|  |  |  |  |  |
|--|--|--|--|--|
| i) when you were deployed were you in:                 | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) when you were deployed were you a:                 | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank on being deployed? | _____  |  |  |  |
| iv) Which Unit were you in on deployment?              | _____  |  |  |  |
| v) Which Corps were you in on deployment?              | _____  |  |  |  |

**c) If you were deployed to BOSNIA-**

|  |  |  |  |  |
|--|--|--|--|--|
| i) when you were deployed were you in:                 | Army<br><input type="checkbox"/> <sup>1</sup>    | Royal Marines<br><input type="checkbox"/> <sup>2</sup>     | Royal Navy<br><input type="checkbox"/> <sup>3</sup>                            | Royal Air Force<br><input type="checkbox"/> <sup>4</sup> |
| ii) when you were deployed were you a:                 | Regular<br><input type="checkbox"/> <sup>1</sup> | Regular Reservist<br><input type="checkbox"/> <sup>2</sup> | Volunteer Reservist<br>(TA/RNR/ RRAF)<br><input type="checkbox"/> <sup>3</sup> | Other <sup>4</sup> (Please specify<br>_____              |
| iii) What was your substantive rank on being deployed? | _____  |  |  |  |
| iv) Which Unit were you in on deployment?              | _____  |  |  |  |
| v) Which Corps were you in on deployment?              | _____  |  |  |  |

d) Are you still in the military? Yes <sup>1</sup> No <sup>2</sup>

**IF YES:**

i) Are you in: Army <sup>1</sup> Royal Marines <sup>2</sup> Royal Navy <sup>3</sup> Royal Air Force <sup>4</sup>

ii) Are you a: Regular <sup>1</sup> Regular Reservist <sup>2</sup> Volunteer Reservist (TA/RNR/ RRAF) <sup>3</sup> Other <sup>4</sup> (Please specify) \_\_\_\_\_

iii) What is your substantive rank? \_\_\_\_\_

iv) Which Unit are you in? \_\_\_\_\_

v) Which Corps are you in? \_\_\_\_\_

**IF NO:**

vi) Were you medically discharged? Yes <sup>1</sup> No <sup>2</sup>

vii) What was your substantive rank on leaving the military? \_\_\_\_\_

**e) FOR EVERYONE TO ANSWER PLEASE.**

i) Please state the number of years you have been or were in each of the following:

eg. Regular 3 Regular Reservist 0 Volunteer Reservist 0

Regular \_\_\_\_\_ Regular Reservist \_\_\_\_\_ Volunteer Reservist \_\_\_\_\_

ii) Did you deploy on; (Please tick all that apply)

OP Granby <sup>a</sup>

OP Corporate <sup>b</sup>

OP Hanwood <sup>c</sup>

OP Grapple <sup>d</sup> Which OP Grapple? \_\_\_\_\_ <sup>d1</sup>

Others <sup>e</sup> Please specify \_\_\_\_\_

e1

iii) How many tours to Northern Ireland have you been on?

None

Number of tours \_\_\_\_\_

**13. This section asks about your deployment to the GULF AND/ OR BOSNIA.**

If you have been to one theatre, please fill out the appropriate column. If you have been to both the GULF and BOSNIA please complete BOTH columns.

|   | Please complete this column if you were deployed to the GULF.   | Please complete this column if you were deployed to BOSNIA.  |
|---|---|--|
| Were you:   | Ordered to serve <input type="checkbox"/> <sup>1</sup> Volunteered to serve <input type="checkbox"/> <sup>2</sup>   | Ordered to serve <input type="checkbox"/> <sup>1</sup> Volunteered to serve <input type="checkbox"/> <sup>2</sup>  |
| Did you undertake pre-deployment training?                                | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>   |
| Did you deploy;   | With your complete unit <input type="checkbox"/> <sup>1</sup><br>As part of your unit <input type="checkbox"/> <sup>2</sup><br>As an individual <input type="checkbox"/> <sup>3</sup>   | With your complete unit <input type="checkbox"/> <sup>1</sup><br>As part of your unit <input type="checkbox"/> <sup>2</sup><br>As an individual reinforcement <input type="checkbox"/> <sup>3</sup>  |
| During your tour did you leave theatre?                                   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>   |
| Before your deployment where were you based? (Please state nearest town)  |   |  |
| During your deployment where were you based? (Please tick all that apply) | Iraq <input type="checkbox"/> <sup>a</sup><br>Saudi Arabia <input type="checkbox"/> <sup>b</sup><br>Kuwait <input type="checkbox"/> <sup>c</sup><br>Other <input type="checkbox"/> <sup>d</sup> _____ <sup>d1</sup><br>(Please specify) | Split <input type="checkbox"/> <sup>a</sup><br>Kisseljac <input type="checkbox"/> <sup>b</sup><br>Omish <input type="checkbox"/> <sup>c</sup><br>Sarajevo <input type="checkbox"/> <sup>d</sup><br>Ploce <input type="checkbox"/> <sup>e</sup><br>(Please specify) _____ <sup>f1</sup> |
| If in the Navy, which ship were you on?                                   |   | Tomislavgrad <input type="checkbox"/> <sup>f</sup><br>Gorazde <input type="checkbox"/> <sup>g</sup><br>Gornji Vakuf <input type="checkbox"/> <sup>h</sup><br>Tuzla <input type="checkbox"/> <sup>i</sup><br>Other <input type="checkbox"/> <sup>j</sup>                                |
| Where did you return after deployment? (Please state nearest town)        |   |  |
| How long did you spend in camp on your return before demobilising?        | _____ days _____ weeks  | _____ days _____ weeks   |
| Did you take time off before returning to work?<br>If YES, how long?      | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>   |

Continued.....

|   | Please complete this column if you were deployed to the GULF  | Please complete this column if you were deployed to BOSNIA.   |
|---|---|---|
| What was your primary duty?   | Engaged in combat <input type="checkbox"/> <sup>1</sup><br>Combat support<br>Signals <input type="checkbox"/> <sup>2</sup><br>Medical <input type="checkbox"/> <sup>3</sup><br>Logistics <input type="checkbox"/> <sup>4</sup><br>Staff duties <input type="checkbox"/> <sup>5</sup><br>Other <input type="checkbox"/> <sup>6</sup><br>(Please specify) _____<br>_____<br>_____ | Engaged in combat <input type="checkbox"/> <sup>1</sup><br>Combat support<br>Signals <input type="checkbox"/> <sup>2</sup><br>Medical <input type="checkbox"/> <sup>3</sup><br>Logistics <input type="checkbox"/> <sup>4</sup><br>Staff duties <input type="checkbox"/> <sup>5</sup><br>Other <input type="checkbox"/> <sup>6</sup><br>(Please specify) _____<br>_____<br>_____ |
| What were your specific duties?   | _____<br>_____<br>_____   | _____<br>_____<br>_____   |
| Where you involved in an "incident" at any time?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup>  |
| If YES:<br>What was it?   | _____<br>_____  | _____<br>_____  |
| What was your involvement in it?  | _____<br>_____  | _____<br>_____  |
| When was it?<br>(Please specify an approximate date)<br>For how long did the "incident" last?<br>(Please specify an approximate length of time) | _____<br>_____  | _____<br>_____  |

Did any of the military actions you took, or didn't take, directly cause the death of another person?    Yes  <sup>1</sup>    No  <sup>2</sup>

If you were deployed to the Gulf, were you stationed within 30 miles of Khamisiyah at any time?    Yes  <sup>1</sup>    No  <sup>2</sup>    Don't Know  <sup>8</sup>

Not applicable

### 14. We would like to know about your experiences whilst in theatre.

Please tick whether you have **EVER** had any direct contact with, or were exposed to, any of the items listed below. Indicate whether this was when you were in the **GULF** and/or **BOSNIA**. If so, please estimate how often you were exposed and whether you had an adverse reaction to it.

|  | EVERYONE please complete this column                      |                          | Please complete this column if you were deployed to the GULF            |                          |  |                                     | Please complete this column if you were deployed to BOSNIA                                     |                                     |   |                          |  |                          |  |                          |                                     |
|--|---|--------------------------|---|--------------------------|--|-------------------------------------|--|-------------------------------------|---|--------------------------|--|--------------------------|--|--------------------------|-------------------------------------|
|  | Have you <u>EVER</u> been in contact with? <sup>(a)</sup> |                          | Were you in contact with this when you were in the GULF? <sup>(b)</sup> |                          | If <u>YES</u> , how many times were you exposed to this item? <sup>(c)</sup> |                                     | Did you have an adverse reaction or feel unwell as a result of this experience? <sup>(d)</sup> |                                     | Were you in contact with this when you were in Bosnia? <sup>(b)</sup> |                          | If <u>YES</u> , how many times were you exposed to this item? <sup>(c)</sup> |                          | Did you have an adverse reaction or feel unwell as a result of this experience? <sup>(d)</sup> |                          |                                     |
|  | Yes <sup>1</sup>  | No <sup>2</sup>          | Yes <sup>1</sup>  | No <sup>2</sup>          | No. of times   | Yes <sup>1</sup>                    | No <sup>2</sup>  | Yes <sup>1</sup>                    | No <sup>2</sup>   | Yes <sup>1</sup>         | No <sup>2</sup>  | Yes <sup>1</sup>         | No <sup>2</sup>  | Yes <sup>1</sup>         | No <sup>2</sup>                     |
| <b>Example;</b>  | <input checked="" type="checkbox"/>                       | <input type="checkbox"/> | <input checked="" type="checkbox"/>                                     | <input type="checkbox"/> | 5  | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input checked="" type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Smoke from oil well fires                                  | <input checked="" type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2  | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Burning rubbish or faeces                                  | <input checked="" type="checkbox"/>                       | <input type="checkbox"/> | <input checked="" type="checkbox"/>                                     | <input type="checkbox"/> |  | <input checked="" type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| <b>Now please complete the table below.</b>                |   |                          |   |                          |  |                                     |  |                                     |   |                          |  |                          |  |                          |                                     |
| Smoke from oil well fires                                  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Exhaust from heaters or generators (eg. Kerosene heaters)  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Diesel and/or other petrochemical fumes                    | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Diesel or other petrochemical fuel on your skin            | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Burning rubbish or faeces                                  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| CARC (Chemical Agent Resistant Compound) paint             | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Other paints, solvents, or petrochemical substances        | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Depleted uranium (DU)                                      | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Microwaves   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Personal pesticides (e.g. creams, sprays, or flea collars) | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Pesticides on your clothing or bedding                     | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Chemical / Nerve gas attack                                | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Mustard gas or other blistering agents                     | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Food contaminated with smoke, oil or other chemicals       | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |
| Local food other than food provided by the Armed Forces    | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/>            | <input type="checkbox"/>   | <input type="checkbox"/>            | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>            |

|  | EVERYONE please complete this column                      |                          | Please complete this column if you were deployed to the GULF            |                          |  |                          | Please complete this column if you were deployed to BOSNIA                                     |                          |   |                          |  |                          |  |  |
|--|---|--------------------------|---|--------------------------|--|--------------------------|--|--------------------------|---|--------------------------|--|--------------------------|--|--|
|  | Have you <u>EVER</u> been in contact with? <sup>(a)</sup> |                          | Were you in contact with this when you were in the GULF? <sup>(b)</sup> |                          | If <u>YES</u> , how many times were you exposed to this item? <sup>(c)</sup> |                          | Did you have an adverse reaction or feel unwell as a result of this experience? <sup>(d)</sup> |                          | Were you in contact with this when you were in BOSNIA? <sup>(b)</sup> |                          | If <u>YES</u> , how many times were you exposed to this item? <sup>(c)</sup> |                          | Did you have an adverse reaction or feel unwell as a result of this experience? <sup>(d)</sup> |  |
|  | Yes <sup>1</sup>  | No <sup>2</sup>          | Yes <sup>1</sup>  | No <sup>2</sup>          | No. of times   | Yes <sup>1</sup>         | No <sup>2</sup>  | Yes <sup>1</sup>         | No <sup>2</sup>   | Yes <sup>1</sup>         | No <sup>2</sup>  | Yes <sup>1</sup>         | No <sup>2</sup>  |  |
| Dead animals   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Bathe in or drink water contaminated with smoke, oil, or other chemicals   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Bathe or swim in the local pond, or river  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Suffer from heat cramps, heat exhaustion, heat stroke, or other heat illnesses   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Suffer a combat related injury that required medical attention during your deployment  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| See any dismembered, burnt or otherwise disfigured bodies  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| See any maimed or seriously injured soldiers   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Witness anyone dying   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Wear NBC suits at times other than training  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Have a SCUD missile explode in the air or on the ground within one mile of you   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Have artillery, rockets, mortars, or anything else, other than SCUD missiles, explode in the air or on the ground close to you | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Come under small arms fire   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Hear chemical alarms sounding  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Handle or come into contact with POWs/displaced refugees   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   |  |
| Please give details of any other exposure or experience which you consider harmful or extremely stressful                      |   |                          |   |                          |  |                          |  |                          |   |                          |  |                          |  |  |
|  |   |                          |   |                          |  |                          |  |                          |   |                          |  |                          |  |  |
|  |   |                          |   |                          |  |                          |  |                          |   |                          |  |                          |  |  |
|  |   |                          |   |                          |  |                          |  |                          |   |                          |  |                          |  |  |
|  |   |                          |   |                          |  |                          |  |                          |   |                          |  |                          |  |  |

**15. In this section we would like some information about your medical treatment whilst in the GULF AND/ OR BOSNIA.**

|  | Please complete this column if you were deployed to the GULF.                      | Please complete this column if you were deployed to BOSNIA.                        |
|--|--|--|
| Do you have a record of vaccinations you have been given?  | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| <p><b>If YES, can you please refer to this record and complete the section below.</b><br/> <b>If NO, please do your best to remember what you have been given and complete the section below.</b><br/> <b>Please indicate if you have not received any vaccinations.</b></p> |  |  |
| How many vaccinations did you receive during the 2 months before deployment?   | _____ by injection _____ by mouth  | _____ by injection _____ by mouth  |
| Please list what each vaccination was for. eg. Tetanus, anthrax, etc.  | _____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                        | _____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                        |
| During deployment how many vaccinations did you receive in theatre?  | _____ by injection _____ by mouth  | _____ by injection _____ by mouth  |
| Please list what each vaccination was for.   | _____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                        | _____<br>_____<br>_____<br>_____<br>_____<br>_____<br>_____                        |
| Did you experience any side effects from the vaccinations?   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| While in the military have you used NAPS (little white pills in foil packs), which are used to protect against nerve agents?   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| If YES;<br>how many days did you take NAPS?  | _____ days   |  |
| In an average day, how many NAPS did you take?   | _____ pills  |  |
| Whilst in the Gulf, did you suffer from "Saudi Flu"?   | Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |  |

**16. The section asks about health.**

During the **PAST MONTH** have you suffered from any of the following symptoms. If so, please tick how bad it is and whether you **FIRST** had this symptom **BEFORE** or **AFTER** you served in the **GULF AND/ OR BOSNIA**.

| SYMPTOMS                                | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If YES, how bad is it? <sup>(b)</sup> |                          |                          | Did you FIRST have this symptom BEFORE or AFTER you went to the GULF? <sup>(c)</sup> |                          | Did you FIRST have this symptom BEFORE or AFTER you went to BOSNIA? <sup>(d)</sup> |                          |    |
|---|---|--------------------------|---------------------------------------|--------------------------|--------------------------|--|--------------------------|--|--------------------------|----|
|   | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                     | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>  | After <sup>2</sup>       | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| Chest pain                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 1  |
| Headaches                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 2  |
| Rapid heartbeat                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 3  |
| Irritability/ outbursts of anger        | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 4  |
| Unable to breathe deeply enough         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 5  |
| Faster breathing than normal            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 6  |
| Feeling short of breath at rest         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 7  |
| Wheezing                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 8  |
| Sleeping difficulties                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 9  |
| Feeling jumpy/easily startled           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 10 |
| Feeling unrefreshed after sleep         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 11 |
| Fatigue                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 12 |
| Double vision                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 13 |
| Intolerance to alcohol                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 14 |
| Itchy or painful eyes                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 15 |
| Shaking                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 16 |
| Tingling in fingers and arms            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 17 |
| Tingling in legs and arms               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 18 |
| Numbness or tingling in fingers or toes | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 19 |
| Feeling distant or cut off from others  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 20 |
| Constipation                            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 21 |
| Flatulence or burping                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 22 |
| Stomach cramp                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 23 |
| Diarrhoea                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 24 |
| Dry mouth                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 25 |

Continued.....

| SYMPTOMS   | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If <u>YES</u> , how bad is it? <sup>(b)</sup> |                          |                          | Did you <u>FIRST</u> have this symptom BEFORE or AFTER you went to the GULF? <sup>(c)</sup> |                          | Did you <u>FIRST</u> have this symptom BEFORE or AFTER you went to BOSNIA? <sup>(d)</sup> |                          |    |
|--|---|--------------------------|---|--------------------------|--------------------------|---|--------------------------|---|--------------------------|----|
|  | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                             | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>   | After <sup>2</sup>       | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Persistent cough                                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 26 |
| Lump in throat                                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 27 |
| Sore throat  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 28 |
| Forgetfulness  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 29 |
| Dizziness  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 30 |
| Feeling disorientated                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 31 |
| Loss of concentration                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 32 |
| Pain on passing urine                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 33 |
| Passing urine more often                             | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 34 |
| Burning sensation in the sex organs                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 35 |
| Loss of interest in sex                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 36 |
| Increased sensitivity to noise                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 37 |
| Increased sensitivity to light                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 38 |
| Ringing in the ears                                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 39 |
| Avoiding doing things/situations                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 40 |
| Pain, without swelling or redness, in several joints | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 41 |
| Joint stiffness                                      | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 42 |
| Night sweats which soak the bedsheets                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 43 |
| Feeling feverish                                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 44 |
| Loss or decrease in appetite                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 45 |
| Nausea   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 46 |
| Vomiting   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 47 |
| Distressing dreams                                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 48 |
| Unintended weight gain greater than 10lbs            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 49 |
| Unintended weight loss greater than 10lbs            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 50 |

If you have ticked **YES** to any of the symptoms listed;

(a) what do you think is wrong with you?

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(b)

| <b>(Please complete this column if you were deployed to the GULF)</b>   | <b>(Please complete this column if you were deployed to BOSNIA)</b>   |
|---|---|
| Do you think any of these symptoms have been caused by serving in the Gulf?<br><br>Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> | Do you think any of these symptoms have been caused by serving in Bosnia?<br><br>Yes <input type="checkbox"/> <sup>1</sup> No <input type="checkbox"/> <sup>2</sup> |
| If <b>YES</b> , which ones?<br><hr/> <hr/> <hr/> <hr/> <hr/> <hr/>  | If <b>YES</b> , which ones?<br><hr/> <hr/> <hr/> <hr/> <hr/> <hr/>  |

17. During the **PAST YEAR** did you have any of the following medical problems/ conditions? Please tick the appropriate box below. If **YES**, could you please tick whether you **FIRST** had this problem **BEFORE** or **AFTER** you went to the **GULF AND/ OR BOSNIA**.

| CONDITION                           | Have you had any of the following in the PAST YEAR? |                          | If <b>YES</b> , did you <b>FIRST</b> have this problem <b>BEFORE</b> or <b>AFTER</b> you went to the <b>GULF?</b> <sup>(b)</sup> |                          | If <b>YES</b> , did you <b>FIRST</b> have this problem <b>BEFORE</b> or <b>AFTER</b> you went to <b>BOSNIA?</b> <sup>(c)</sup> |                          |    |
|-------------------------------------|---|--------------------------|--|--------------------------|--|--------------------------|----|
|                                     | Yes <sup>1</sup>                                    | No <sup>2</sup>          | Before <sup>1</sup>  | After <sup>2</sup>       | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| High blood pressure                 | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 1  |
| Heart disease                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 2  |
| Stroke                              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 3  |
| Epilepsy                            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 4  |
| Migraines                           | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 5  |
| Asthma                              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 6  |
| Loss of hearing                     | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 7  |
| Bronchitis                          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 8  |
| Pneumonia                           | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 9  |
| Tuberculosis (TB)                   | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 10 |
| Malaria                             | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 11 |
| Sinus problems                      | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 12 |
| Ear infection                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 13 |
| Stomach or duodenal ulcers          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 14 |
| Colitis/ Crohn's disease            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 15 |
| Yellow jaundice or Hepatitis        | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 16 |
| Cirrhosis of the liver              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 17 |
| A thyroid problem                   | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 18 |
| Diabetes                            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 19 |
| Kidney (renal) disease              | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 20 |
| Frequent bladder infections         | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 21 |
| Arthritis or rheumatism             | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 22 |
| Fibrositis or fibromyalgia          | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 23 |
| Back problems                       | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 24 |
| Skin cancer                         | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 25 |
| Any other kind of cancer            | <input type="checkbox"/>                            | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 26 |
| Please specify site of cancer _____ |   |                          |  |                          |  |                          |    |

Continued.....

| CONDITION   | Have you had any of the following in the PAST YEAR? <sup>(a)</sup> |                          | If <u>YES</u> , did you <u>FIRST</u> have this problem BEFORE or AFTER you went to the GULF? <sup>(b)</sup> |                          | If <u>YES</u> , did you <u>FIRST</u> have this problem BEFORE or AFTER you went to BOSNIA? <sup>(c)</sup> |                          |    |
|---|--|--------------------------|---|--------------------------|---|--------------------------|----|
|   | Yes <sup>1</sup>   | No <sup>2</sup>          | Before <sup>1</sup>   | After <sup>2</sup>       | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Chronic Fatigue Syndrome/ ME  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 27 |
| Multiple chemical sensitivity or environmental illness                        | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 28 |
| Yeast disease or candidiasis  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 29 |
| Hayfever  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 30 |
| Eczema or psoriasis   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 31 |
| Dermatitis or any other skin problem  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 32 |
| Any disease of the hair or scalp, including hair loss                         | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 33 |
| Any disease of the genital organs   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 34 |
| Subfertility  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 35 |
| Sexual problems   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 36 |
| <b>FOR WOMEN ONLY;</b>  |  |                          |   |                          |   |                          |    |
| Premenstrual tension  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 37 |
| Period problems   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 38 |
| Miscarriages  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 39 |
| Any other symptoms/ health conditions we have not mentioned? (Please specify) |  |                          |   |                          |   |                          | 40 |
| 1) _____  |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> |    |
| 2) _____  |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 41 |
| 3) _____  |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 42 |
| 4) _____  |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 43 |

**18. We would now like to know whether any of the following smells or substances affect you, that is, bring about symptoms\*.**

\*A symptom means your awareness of some discomfort or bothersome change, eg. sneezing, runny eyes, pain, swelling, nausea, or trouble concentrating. Please tick the appropriate box. If you have a symptom, please indicate if you had it **BEFORE** or **AFTER** you went to the **GULF AND/ OR BOSNIA**.

|  | Do any of the following cause you to have symptoms? <sup>(a)</sup> |                          |                          | If <u>YES</u> , did you <u>FIRST</u> have symptoms <u>BEFORE</u> or <u>AFTER</u> you went to the GULF? <sup>(b)</sup> |                          | If <u>YES</u> , did you <u>FIRST</u> have symptoms <u>BEFORE</u> or <u>AFTER</u> you went to BOSNIA? <sup>(c)</sup> |                          |    |
|--|--|--------------------------|--------------------------|---|--------------------------|---|--------------------------|----|
|  | Yes <sup>1</sup>   | No <sup>2</sup>          | Don't know <sup>3</sup>  | Before <sup>1</sup>   | After <sup>2</sup>       | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Smog or air pollution  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 1  |
| Cigarette smoke  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2  |
| Vehicle exhaust or fumes   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 3  |
| Copiers or laser printers  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 4  |
| Newspapers, magazines, or other newsprint                          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 5  |
| Pesticides, herbicides, insecticides, or fertilizers               | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 6  |
| New office buildings or homes (eg. sealed windows)                 | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 7  |
| Carpeting or curtains  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 8  |
| Organic chemicals, solvents, glues, paints, or fuel                | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 9  |
| Cosmetics, perfumes, hair spray, deodorants, nail polish, or soaps | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 10 |
| Anything else?<br>(Please specify)                                 | <hr/>  |                          |                          | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 11 |

**19. We would like to know whether or not you have been having any problems with feeling tired, weak or lacking in energy in the last few weeks.**

Please answer **ALL** the questions simply by **underlining or circling** the answer which you think most nearly applies to you.

|   | 1                 | 2                   | 3                | 4                     |
|---|-------------------|---------------------|------------------|-----------------------|
| Do you have problems with tiredness?                    | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you need to rest more?                               | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you feel sleepy or drowsy?                           | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have problems starting things?                   | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you lack energy?                                     | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have less strength in your muscles?              | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you feel weak?                                       | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you have difficulty concentrating?                   | Less than usual   | Same as usual       | Worse than usual | Much worse than usual |
| Do you make slips of the tongue when speaking?          | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do you find it more difficult to find the correct word? | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| How is your memory?                                     | Better than usual | No worse than usual | Worse than usual | Much worse than usual |
| Do your muscles hurt at rest?                           | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do your muscles hurt after exercise?                    | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |

**20. Here are some questions about aches and pains.**

We would like you to think back over the **PAST MONTH**, then **PLEASE TICK ONE BOX FOR EACH QUESTION.**

a) During the **PAST MONTH** have you had any ache or pain which has lasted for one day or longer?

Yes <sup>1</sup> No <sup>2</sup>

**If YES, please answer all the questions below.**

**If NO, please turn to question 21.**

b) Do you have any pain **NOW**?

Yes <sup>1</sup> No <sup>2</sup>

c) When did the pain start?

Less than 3 months ago <sup>1</sup>  
More than 3 months ago <sup>2</sup>

d) What do you think has been the cause of your pain?

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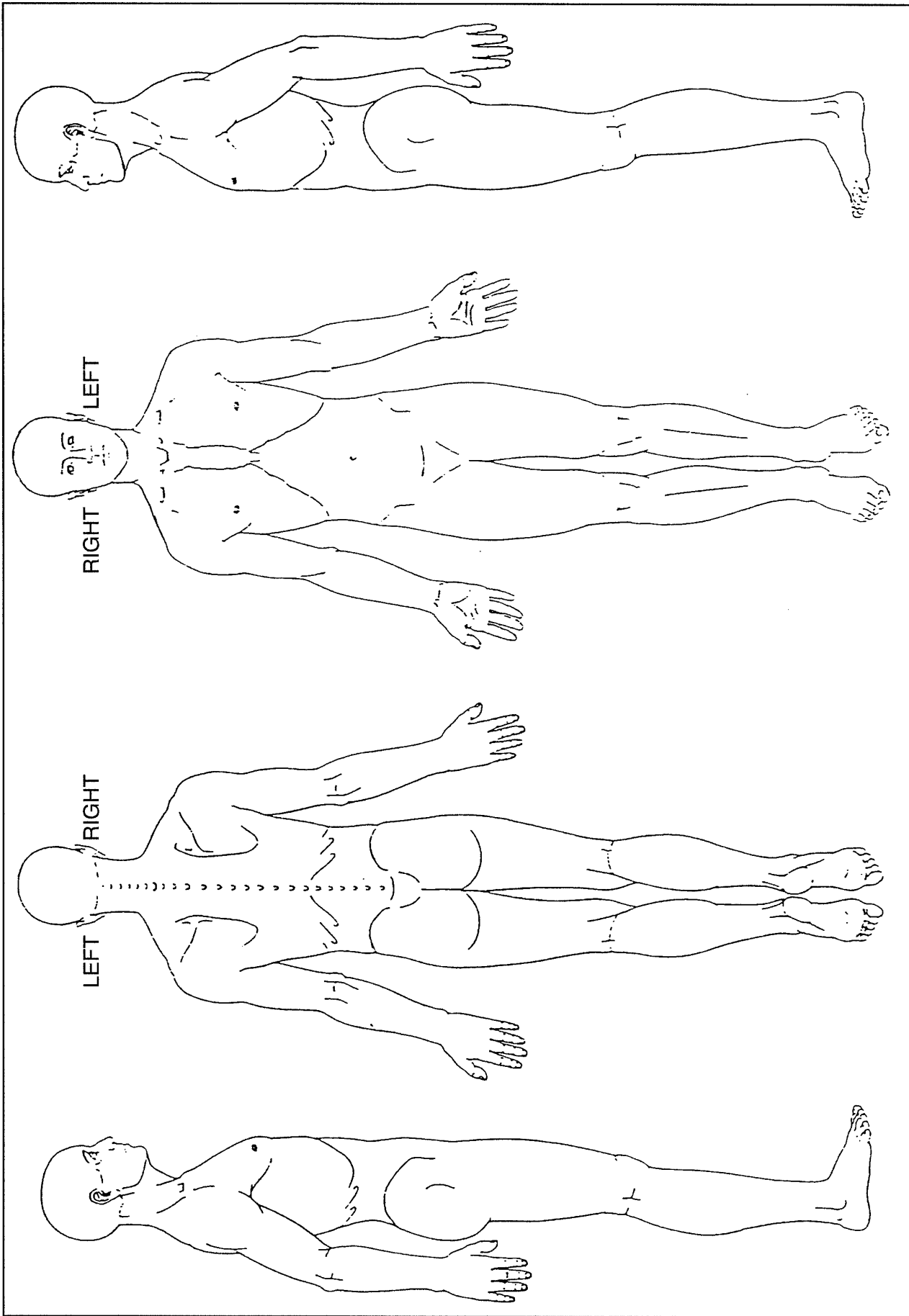
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**OVER THE PAGE YOU WILL FIND FOUR DIAGRAMS OF THE BODY.**

**PLEASE SHADE IN THE DIAGRAMS WHERE YOU FELT OR FEEL THE ACHES AND PAINS.**



## 21. Here are some general questions about your health

Please answer all the questions on the page by **underlining** or **circling** the answer you think most closely applies to you.

### HAVE YOU RECENTLY:-

|   | 1                  | 2                   | 3                      | 4                    |
|---|--------------------|---------------------|------------------------|----------------------|
| Been able to concentrate on whatever you're doing?    | Better than usual  | Same as usual       | Less than usual        | Much less than usual |
| Lost much sleep over worry?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt that you are playing a useful part in things?    | More so than usual | Same as usual       | Less useful than usual | Much less useful     |
| Felt capable of making decisions about things?        | More so than usual | Same as usual       | Less so than usual     | Much less capable    |
| Felt under constant strain?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt you couldn't overcome your difficulties?         | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been able to enjoy your normal day-to-day activities? | More so than usual | Same as usual       | Less so than usual     | Much less than usual |
| Been able to face up to your problems?                | More so than usual | Same as usual       | Less able than usual   | Much less able       |
| Been feeling unhappy and depressed?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been losing confidence in yourself?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been thinking of yourself as a worthless person?      | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been feeling reasonably happy, all things considered? | More so than usual | About same as usual | Less so than usual     | Much less than usual |

22.a) Do you know people who are sick with "Gulf War Syndrome"?

Yes <sup>1</sup> No <sup>2</sup>

b) Do you think you have "Gulf War Syndrome"?

Yes <sup>1</sup> No <sup>2</sup> Not applicable

c) Are there any other military experiences or exposures we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If **YES**, can you briefly describe them

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d) Are there other health concerns we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If **YES**, can you briefly describe them

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e) In general, would you say your health is:

Excellent <sup>1</sup>  
Very good <sup>2</sup>  
Good <sup>3</sup>  
Fair <sup>4</sup>  
Poor <sup>5</sup>

23. If there is anything you would like to add please do so below:

**ONCE THE STUDY TEAM HAS RECEIVED YOUR QUESTIONNAIRE THIS PAGE WILL BE DETACHED TO ENSURE CONFIDENTIALITY**

It would be useful if we could contact you in the future. We would be grateful if you could indicate in the box below a preferred contact address, time, and telephone number. Thank you.

Name:

Address:

Post code:

Telephone No:

Dialing code

Number

Contact time: Daytime  Evening  Anytime

Signature:

*The medical research team may wish to access your medical records. If you wish to prevent such access, please indicate below.*

*I refuse the research team access to my medical records*

We are very grateful for your assistance in completing this questionnaire. As a token of our gratitude, we are offering you the opportunity to have your name entered in a £1000 prize draw. If you do not want your name entered in the prize draw, please tick the box below.

I do not want my name entered in the prize draw

Before returning the questionnaire in the envelope provided, could you please check that all the questions have been answered.

**FINALLY, THANK YOU VERY MUCH FOR COMPLETING THIS QUESTIONNAIRE**



King's College School of Medicine and Dentistry  
Bessemer Road, London SE5 9PJ  
Telephone/Facsimile - 0171 737 5267

KING'S  
College  
LONDON  
Founded 1829

## HEALTH SURVEY OF MILITARY PERSONNEL

We are seeking your help to provide information for one of the largest studies of military health ever to be undertaken in the United Kingdom. We are carrying out research into the effects of serving in the Gulf War, Bosnia, and the Armed Forces as a whole, on United Kingdom military personnel. To do this we are sending a questionnaire to 13,000 current and former military personnel chosen at random. We will be asking about their health and military experiences. **This study is not funded by the MoD, and is independent of the MoD.** The MoD has given its cooperation to carry out the study, otherwise we would not be able to know who you are.

We would be most grateful if you could find 20 minutes to complete this questionnaire. **IT IS IMPORTANT FOR US TO RECEIVE YOUR REPLY EVEN IF YOU DO NOT HAVE ANY HEALTH PROBLEMS OR IF YOU NO LONGER SERVE IN THE ARMED FORCES.** A pen and envelope are provided for the easy completion and return of the questionnaire. The postage is already paid. **As a token of our appreciation, when we have received your completed questionnaire, you will have the opportunity to have your name entered in a £1,000 prize draw if you so wish.**

All the information collected will be treated in such a way that you will not, and never can be, identified by anyone other than the research team. It will be secured against all unauthorised access. Your responses are totally confidential and no third party will ever be allowed access to the data. We guarantee that the results of the study will be published when ready.

You are under no obligation whatsoever to take part in the study. Nevertheless, we must emphasise how vital your participation is to the understanding of the effects of military service on health. This will be of importance not just to you as an individual, but to military and former military personnel as a group and to others in the future.

If you have any concerns or questions, please write or telephone the Study Co-ordinator Catherine Unwin at the Gulf War Illnesses Research Unit, the phone number and address are at the top of this page. We will be pleased to try and answer any questions you have.

Thanking you in anticipation of your help.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'S. Wessely'.

Professor Simon Wessely  
Co-director

A handwritten signature in black ink, appearing to be 'A. David'.

Professor Anthony David  
Co-director

**We realise that some of you may not have been deployed to the Gulf. In this questionnaire we are interested in any information you can give us about your military experiences, wherever you served.**

**We would like a few background details first.**

1. What is your date of birth?

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
Date      Month      Year

2. Are you:

Male <sup>1</sup>                      Female <sup>2</sup>

3. Do you consider yourself to be:

|                 |                                       |             |  |
|-----------------|---------------------------------------|-------------|--|
| White           | <input type="checkbox"/> <sup>1</sup> | Pakistani   | <input type="checkbox"/> <sup>6</sup>  |
| Black Caribbean | <input type="checkbox"/> <sup>2</sup> | Bangladeshi | <input type="checkbox"/> <sup>7</sup>  |
| Black/African   | <input type="checkbox"/> <sup>3</sup> | Chinese     | <input type="checkbox"/> <sup>8</sup>  |
| Black/other     | <input type="checkbox"/> <sup>4</sup> | Asian/other | <input type="checkbox"/> <sup>9</sup>  |
| Indian          | <input type="checkbox"/> <sup>5</sup> | Other       | <input type="checkbox"/> <sup>10</sup> |

4. What is your current marital status?

|                     |                                       |           |                                       |
|---------------------|---------------------------------------|-----------|---------------------------------------|
| Married             | <input type="checkbox"/> <sup>1</sup> | Separated | <input type="checkbox"/> <sup>4</sup> |
| Living with partner | <input type="checkbox"/> <sup>2</sup> | Divorced  | <input type="checkbox"/> <sup>5</sup> |
| Never married       | <input type="checkbox"/> <sup>3</sup> | Widowed   | <input type="checkbox"/> <sup>6</sup> |

5. **For females;**

a) Have you ever been pregnant or ever tried to become pregnant?

Yes <sup>1</sup>                      No <sup>2</sup>

**For males;**

b) Have you ever fathered a pregnancy or ever tried to father a child?

Yes <sup>1</sup>                      No <sup>2</sup>

6. a) What is the highest level of education that you completed?

|   |                                       |
|---|---------------------------------------|
| Left school before taking 'O' Levels/GCSE's | <input type="checkbox"/> <sup>1</sup> |
| 'O' levels/ GCSE's                          | <input type="checkbox"/> <sup>2</sup> |
| 'A' levels/Highers                          | <input type="checkbox"/> <sup>3</sup> |
| Degree                                      | <input type="checkbox"/> <sup>4</sup> |

b) What qualifications have you gained since joining the military?

---



---



---

7. a) Are you currently working:

|   |                                       |
|---|---------------------------------------|
| Full-time                                     | <input type="checkbox"/> <sup>1</sup> |
| Part-time                                     | <input type="checkbox"/> <sup>2</sup> |
| Unemployed but seeking work                   | <input type="checkbox"/> <sup>3</sup> |
| Not working because of ill health/ disability | <input type="checkbox"/> <sup>4</sup> |
| Retired from the military                     | <input type="checkbox"/> <sup>5</sup> |
| Retired from all work                         | <input type="checkbox"/> <sup>6</sup> |

b) What is your current/most recent occupation?

---

---

---

8. Did a change in your health cause you to change your employment?

Yes <sup>1</sup>

No <sup>2</sup>

**We would now like to know some information about your lifestyle.**

**For our study a regular smoker is someone who has smoked at least one cigarette a day for at least one year.**

9.a) Have you smoked more than 5 packets of cigarettes (5 x 20) in your lifetime?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9b**

**If NO, go to question 10a**

b) If **YES**, are you **currently** a regular smoker?

Yes <sup>1</sup>

No <sup>2</sup>

**If YES, go to question 9c**

**If NO, go to question 10a**

c) If **YES**, how many cigarettes do you smoke?

\_\_\_\_\_ cigarettes per day

**Here are some questions about how much you drink.**

10.a) On average, how many units (1 unit = half pint of beer or a glass of wine) of alcohol per week do you have?

- |                    |                                       |
|--------------------|---------------------------------------|
| None               | <input type="checkbox"/> <sup>1</sup> |
| 1-3 units          | <input type="checkbox"/> <sup>2</sup> |
| 4-10 units         | <input type="checkbox"/> <sup>3</sup> |
| 11-20 units        | <input type="checkbox"/> <sup>4</sup> |
| 21-30 units        | <input type="checkbox"/> <sup>5</sup> |
| More than 30 units | <input type="checkbox"/> <sup>6</sup> |

b) Have you changed your alcohol intake in the last five years?

- |                |                                       |
|----------------|---------------------------------------|
| No             | <input type="checkbox"/> <sup>1</sup> |
| Yes, increased | <input type="checkbox"/> <sup>2</sup> |
| Yes, reduced   | <input type="checkbox"/> <sup>3</sup> |

11. The following questions are about activities you might do during a typical day, and whether your health limits you in these activities.

| Has your health limited you in:  | No, not<br>limited<br>at all                                | Yes,<br>limited<br>a little                                 | Yes,<br>limited<br>a lot                                    |
|--|---|---|---|
| a) Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports (e.g. Football)?   | <input type="checkbox"/> <sup>1</sup><br>(Please go to 11c) | <input type="checkbox"/> <sup>2</sup><br>(Please go to 11b) | <input type="checkbox"/> <sup>3</sup><br>(Please go to 11b) |
| b) Moderate activities, such as moving a table, pushing a vacuum cleaner, ten-pin bowling, or swimming?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Lifting or carrying groceries?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing several flights of stairs?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Climbing one flight of stairs?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bending, kneeling, or stooping?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking more than one mile?  | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Walking 100 yards?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| Bathing and dressing yourself?   | <input type="checkbox"/> <sup>1</sup>                       | <input type="checkbox"/> <sup>2</sup>                       | <input type="checkbox"/> <sup>3</sup>                       |
| c) In the <u>past month</u> , to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbours, or groups? |   |   |   |
| Not at all   | <input type="checkbox"/> <sup>1</sup>                       |   |   |
| Slightly   | <input type="checkbox"/> <sup>2</sup>                       |   |   |
| Moderately   | <input type="checkbox"/> <sup>3</sup>                       |   |   |
| Quite a bit  | <input type="checkbox"/> <sup>4</sup>                       |   |   |
| Extremely  | <input type="checkbox"/> <sup>5</sup>                       |   |   |

d) During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities as a result of your physical health?

|   | YES                                   | NO                                    |
|---|---------------------------------------|---------------------------------------|
| Cut down on the <b>amount of time</b> you spent on work or other activities               | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| <b>Accomplished less</b> than you would like  | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Were limited in the <b>kind</b> of work or other activities                               | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |
| Had <b>difficulty</b> performing the work or other activities (e.g. it took extra effort) | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> |

e) Please choose the answer that best describes how true or false each of the following statements are for you.

(Please tick one box on each line)

|   | Definitely<br>true                    | Mostly<br>true                        | Mostly<br>false                       | Definitely<br>false                   |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| I seem to get ill more easily than other people | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I am as healthy as anybody I know               | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| I expect my health to get worse                 | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |
| My health is excellent                          | <input type="checkbox"/> <sup>1</sup> | <input type="checkbox"/> <sup>2</sup> | <input type="checkbox"/> <sup>3</sup> | <input type="checkbox"/> <sup>4</sup> |

f) Have you experienced a change in your functioning since **JANUARY 1991 (the time of the Gulf War)** ?

Yes    <sup>1</sup>                  No    <sup>2</sup>

If **YES**, do you attribute this change to your military work **AT THIS TIME (January 1991)**?

Yes    <sup>1</sup>                  No    <sup>2</sup>



If NO;

vi) Were you medically discharged? Yes <sup>1</sup> No <sup>2</sup>

vii) What was your substantive rank on leaving the military? \_\_\_\_\_

d) For EVERYONE to answer please;

i) Please state the number of years you have been or were in each of the following:

e.g. Regular 3 Regular Reservist 0 Volunteer Reservist 0

Regular \_\_\_\_\_ Regular Reservist \_\_\_\_\_ Volunteer Reservist \_\_\_\_\_

ii) Did you deploy on; (Please tick all that apply)

OP Granby <sup>a</sup>

OP Corporate <sup>b</sup>

OP Hanwood <sup>c</sup>

OP Grapple <sup>d</sup> Which OP Grapple? \_\_\_\_\_<sup>d1</sup>

Others <sup>e</sup> Please specify \_\_\_\_\_<sup>e1</sup>

\_\_\_\_\_

iii) How many tours to Northern Ireland have you been on?

None

Number of tours \_\_\_\_\_

iv) What were your duties in JANUARY 1991 (at the time of the Gulf War)?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. We would like to know about your military experiences.

Please tick whether you have **EVER** had any direct contact with, or were exposed to, any of the items listed below. Indicate whether this was in **JANUARY 1991 (the time of the Gulf War)**. If so, please estimate how often you were exposed and whether you had an adverse reaction to it.

|   | Have you <b>EVER</b> been in contact with? <sup>(a)</sup> |                                     | If <b>YES</b> , was this in January 1991? <sup>(b)</sup> |                          | If <b>YES</b> , how many times were you exposed to this item? <sup>(c)</sup> | Did you have an adverse reaction or feel unwell from this experience? <sup>(d)</sup> |                                     |    |
|---|---|-------------------------------------|--|--------------------------|--|--|-------------------------------------|----|
|   | Yes <sup>1</sup>  | No <sup>2</sup>                     | Yes <sup>1</sup>   | No <sup>2</sup>          |  | No. of times   | Yes <sup>1</sup>                    |    |
| <b>Example;</b>   |   |                                     |  |                          |  |  |                                     |    |
| Smoke from oil well fires   | <input type="checkbox"/>                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            |    |
| Burning rubbish or faeces   | <input checked="" type="checkbox"/>                       | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                      | <input type="checkbox"/> | 2  | <input type="checkbox"/>   | <input checked="" type="checkbox"/> |    |
| <b>Now please complete the table below</b>  |   |                                     |  |                          |  |  |                                     |    |
| Smoke from oil well fires   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 1  |
| Exhaust from heaters or generators (e.g. Kerosene heaters)                            | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 2  |
| Diesel and/or other petrochemical fumes   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 3  |
| Diesel or other petrochemical fuel <i>on your skin</i>                                | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 4  |
| Burning rubbish or faeces   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 5  |
| CARC (Chemical Agent Resistant Compound) paint  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 6  |
| Other paints, solvents, or petrochemical substances                                   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 7  |
| Depleted uranium (DU)   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 8  |
| Microwaves  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 9  |
| Personal pesticides (e.g. creams, sprays, or flea collars)                            | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 10 |
| Pesticides on your clothing or bedding  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 11 |
| Chemical / Nerve gas attack   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 12 |
| Mustard gas or other blistering agents  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 13 |
| Food contaminated with smoke, oil, or other chemicals                                 | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 14 |
| Dead animals  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 16 |
| Bathe in or drink water contaminated with smoke, oil, or other chemicals              | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 17 |
| Suffer from heat cramps, heat exhaustion, heat stroke, or other heat illnesses        | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 19 |
| Suffer a combat related injury that required medical attention during your deployment | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 20 |
| See any dismembered, burnt or otherwise disfigured bodies                             | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 21 |
| See any maimed or seriously injured soldiers  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 22 |
| Witness anyone dying  | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 23 |
| Wear NBC suits at times other than training   | <input type="checkbox"/>                                  | <input type="checkbox"/>            | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/>            | 24 |

Continued .....

|  | Have you <b>EVER</b> been in contact with? <sup>(a)</sup> |                          | If <b>YES</b> , was this in January 1991? <sup>(b)</sup> |                          | If <b>YES</b> , how many times were you exposed to this item? <sup>(c)</sup> | Did you have an adverse reaction or feel unwell from this experience? <sup>(d)</sup> |                          |    |
|--|---|--------------------------|--|--------------------------|--|--|--------------------------|----|
|  | Yes <sup>1</sup>  | No <sup>2</sup>          | Yes <sup>1</sup>   | No <sup>2</sup>          |  | No. of times   | Yes <sup>1</sup>         |    |
| Have a SCUD missile explode in the air or on the ground within one mile of you   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/> | 25 |
| Have artillery, rockets, mortars, or anything else, other than SCUD missiles, explode in the air or on the ground close to you | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/> | 26 |
| Come under small arms fire   | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/> | 27 |
| Hear chemical alarms sounding  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  | <input type="checkbox"/>   | <input type="checkbox"/> | 28 |
| Handle or come into contact with POWs/ displaced refugees  | <input type="checkbox"/>                                  | <input type="checkbox"/> | <input type="checkbox"/>                                 | <input type="checkbox"/> |  |  |                          | 29 |
| Please give details of any other exposure or experience which you consider harmful or extremely stressful                      | <hr/> <hr/> <hr/> <hr/> <hr/>                             |                          |  |                          |  |  |                          | 30 |

14. In this section we would like some information about your medical treatment.

|  |     |                                       |    |                                       |
|--|-----|---------------------------------------|----|---------------------------------------|
| While in the military have you used NAPS (little white pills in foil packs), which are used to protect against nerve agents? | Yes | <input type="checkbox"/> <sup>1</sup> | No | <input type="checkbox"/> <sup>2</sup> |
| Do you have a record of vaccinations you have been given?  | Yes | <input type="checkbox"/> <sup>1</sup> | No | <input type="checkbox"/> <sup>2</sup> |
| Did you receive any vaccinations between <b>NOVEMBER 1990 AND MARCH 1991</b> ?   | Yes | <input type="checkbox"/> <sup>1</sup> | No | <input type="checkbox"/> <sup>2</sup> |
| If <b>YES</b> , did you experience side effects from these vaccinations?   | Yes | <input type="checkbox"/> <sup>1</sup> | No | <input type="checkbox"/> <sup>2</sup> |

**15. The section asks about health.**

During the **PAST MONTH** have you suffered from any of the following symptoms. If so, please tick how bad it is and whether you **FIRST** had this symptom **BEFORE** or **AFTER JANUARY 1991** (the time of the Gulf War).

| SYMPTOMS                                | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If YES, how bad is it? <sup>(b)</sup> |                          |                          | Did you FIRST have this symptom BEFORE or AFTER JANUARY 1991? <sup>(c)</sup> |                          |    |
|---|---|--------------------------|---------------------------------------|--------------------------|--------------------------|--|--------------------------|----|
|   | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                     | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| Chest pain                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 1  |
| Headaches                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 2  |
| Rapid heartbeat                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 3  |
| Irritability/ outbursts of anger        | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 4  |
| Unable to breathe deeply enough         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 5  |
| Faster breathing than normal            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 6  |
| Feeling short of breath at rest         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 7  |
| Wheezing                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 8  |
| Sleeping difficulties                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 9  |
| Feeling jumpy/easily startled           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 10 |
| Feeling unrefreshed after sleep         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 11 |
| Fatigue                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 12 |
| Double vision                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 13 |
| Intolerance to alcohol                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 14 |
| Itchy or painful eyes                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 15 |
| Shaking                                 | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 16 |
| Tingling in fingers and arms            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 17 |
| Tingling in legs and arms               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 18 |
| Numbness or tingling in fingers or toes | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 19 |
| Feeling distant or cut off from others  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 20 |
| Constipation                            | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 21 |
| Flatulence or burping                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 22 |
| Stomach cramp                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 23 |
| Diarrhoea                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 24 |
| Dry mouth                               | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 25 |
| Persistent cough                        | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 26 |
| Lump in throat                          | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 27 |
| Sore throat                             | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 28 |
| Forgetfulness                           | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 29 |

Continued.....

| SYMPTOMS   | In the PAST MONTH, have you had? <sup>(a)</sup> |                          | If YES, how bad is it? <sup>(b)</sup> |                          |                          | Did you FIRST have this symptom BEFORE or AFTER JANUARY 1991? <sup>(e)</sup> |                          |    |
|--|---|--------------------------|---------------------------------------|--------------------------|--------------------------|--|--------------------------|----|
|  | Yes <sup>1</sup>                                | No <sup>2</sup>          | Mild <sup>1</sup>                     | Mod <sup>2</sup>         | Severe <sup>3</sup>      | Before <sup>1</sup>  | After <sup>2</sup>       |    |
| Dizziness  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 30 |
| Feeling disorientated                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 31 |
| Loss of concentration                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 32 |
| Pain on passing urine                                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 33 |
| Passing urine more often                             | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 34 |
| Burning sensation in the sex organs                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 35 |
| Loss of interest in sex                              | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 36 |
| Increased sensitivity to noise                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 37 |
| Increased sensitivity to light                       | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 38 |
| Ringing in the ears                                  | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 39 |
| Avoiding doing things/ situations                    | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 40 |
| Pain, without swelling or redness, in several joints | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 41 |
| Joint stiffness                                      | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 42 |
| Night sweats which soak the bedsheets                | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 43 |
| Feeling feverish                                     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 44 |
| Loss or decrease in appetite                         | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 45 |
| Nausea   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 46 |
| Vomiting   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 47 |
| Distressing dreams                                   | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 48 |
| Unintended weight <u>gain</u> greater than 10lbs     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 49 |
| Unintended weight <u>loss</u> greater than 10lbs     | <input type="checkbox"/>                        | <input type="checkbox"/> | <input type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   | <input type="checkbox"/> | 50 |

Continued.....

If you have ticked **YES** to any of the symptoms listed;

(a) what do you think is wrong with you?

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(b)

Do you think any of these symptoms have been caused by your military service in **JANUARY 1991**?

Yes

 <sup>1</sup>

No

 <sup>2</sup>

If **YES**, which ones?

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16. During the **PAST YEAR** did you have any of the following medical problems/ conditions? Please tick the appropriate box below. If **YES**, could you please tick whether you **FIRST** had this problem **BEFORE** or **AFTER JANUARY 1991** (at the time of the Gulf War)?

| CONDITION                    | Have you had any of the following in the PAST YEAR? <sup>(a)</sup> |                          | If <b>YES</b> , did you <b>FIRST</b> have this problem <b>BEFORE</b> or <b>AFTER JANUARY 1991?</b> <sup>(d)</sup> |                          |     |
|------------------------------|--|--------------------------|---|--------------------------|-----|
|                              | Yes <sup>1</sup>   | No <sup>2</sup>          | Before <sup>1</sup>   | After <sup>2</sup>       |     |
| High blood pressure          | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 1   |
| Heart disease                | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2   |
| Stroke                       | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 3   |
| Epilepsy                     | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 4   |
| Migraines                    | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 5   |
| Asthma                       | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 6   |
| Loss of hearing              | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 7   |
| Bronchitis                   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 8   |
| Pneumonia                    | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 9   |
| Tuberculosis (TB)            | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 10  |
| Malaria                      | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 11  |
| Sinus problems               | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 12  |
| Ear infection                | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 13  |
| Stomach or duodenal ulcers   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 14  |
| Colitis/ Crohn's disease     | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 15  |
| Yellow jaundice or Hepatitis | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 16  |
| Cirrhosis of the liver       | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 17  |
| A thyroid problem            | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 18  |
| Diabetes                     | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 19  |
| Kidney (renal) disease       | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 20  |
| Frequent bladder infections  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 21  |
| Arthritis or rheumatism      | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 22  |
| Fibrositis or fibromyalgia   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 23  |
| Back problems                | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 24  |
| Skin cancer                  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 25  |
| Any other kind of cancer     | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 26  |
| Site of cancer _____         |  |                          |   |                          | 26a |

Continued.....

| CONDITION  | Have you had any of the following in the PAST YEAR? <sup>(a)</sup> |                          | If YES, did you FIRST have this problem BEFORE or AFTER JANUARY 1991 ? <sup>(d)</sup> |                          |    |
|--|--|--------------------------|---|--------------------------|----|
|  | Yes <sup>1</sup>   | No <sup>2</sup>          | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Chronic Fatigue Syndrome/ ME   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 27 |
| Multiple chemical sensitivity or environmental illness                       | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 28 |
| Yeast disease or candidiasis   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 29 |
| Hayfever   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 30 |
| Eczema or psoriasis  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 31 |
| Dermatitis or any other skin problem   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 32 |
| Any disease of the hair or scalp, including hair loss                        | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 33 |
| Any disease of the genital organs  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 34 |
| Subfertility   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 35 |
| Sexual problems  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 36 |
| <b>FOR WOMEN ONLY;</b>   |  |                          |   |                          |    |
| Premenstrual tension   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 37 |
| Period problems  | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 38 |
| Miscarriages   | <input type="checkbox"/>   | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 39 |
| Any other symptoms/ health conditions we have not mentioned (Please specify) |  |                          |   |                          |    |
| 1) _____   |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | 40 |
| 2) _____   |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | 41 |
| 3) _____   |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | 42 |
| 4) _____   |  |                          | <input type="checkbox"/>  | <input type="checkbox"/> | 43 |

**17. We would now like to know whether any of the following smells or substances affect you, that is, bring about symptoms\*.**

\*A symptom means your awareness of some discomfort or bothersome change, e.g., sneezing, runny eyes, pain, swelling, nausea, or trouble concentrating. Please tick the appropriate box. If you have a symptom, please indicate if you had it **BEFORE** or **AFTER JANUARY 1991** (the time of the Gulf War).

|  | Do you have symptoms? <sup>(a)</sup> |                          |                          | If <b>YES</b> , did you <b>FIRST</b> have this symptom <b>BEFORE</b> or <b>AFTER JANUARY 1991?</b> <sup>(d)</sup> |                          |    |
|--|--------------------------------------|--------------------------|--------------------------|---|--------------------------|----|
|  | Yes <sup>1</sup>                     | No <sup>2</sup>          | Don't know <sup>3</sup>  | Before <sup>1</sup>   | After <sup>2</sup>       |    |
| Smog or air pollution  | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 1  |
| Cigarette smoke  | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 2  |
| Vehicle exhaust or fumes   | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 3  |
| Copiers or laser printers  | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 4  |
| Newspapers, magazines, or other newsprint                          | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 5  |
| Pesticides, herbicides, insecticides, or fertilizers               | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 6  |
| New office buildings or homes (e.g., sealed windows)               | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 7  |
| Carpeting or curtains  | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 8  |
| Organic chemicals, solvents, glues, paints, or fuel                | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 9  |
| Cosmetics, perfumes, hair spray, deodorants, nail polish, or soaps | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>  | <input type="checkbox"/> | 10 |
| Anything else?<br>(Please specify)                                 | <hr/>                                |                          |                          | <input type="checkbox"/>  | <input type="checkbox"/> | 11 |

**18. We would like to know whether or not you have been having any problems with feeling tired, weak or lacking in energy in the last few weeks.**

Please answer **ALL** the questions simply by **underlining or circling** the answer which you think most nearly applies to you.

|   | 1                 | 2                   | 3                | 4                     |
|---|-------------------|---------------------|------------------|-----------------------|
| Do you have problems with tiredness?                    | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you need to rest more?                               | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you feel sleepy or drowsy?                           | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have problems starting things?                   | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you lack energy?                                     | Less than usual   | No more than usual  | More than usual  | Much more than usual  |
| Do you have less strength in your muscles?              | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you feel weak?                                       | Less than usual   | Same as usual       | More than usual  | Much more than usual  |
| Do you have difficulty concentrating?                   | Less than usual   | Same as usual       | Worse than usual | Much worse than usual |
| Do you make slips of the tongue when speaking?          | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do you find it more difficult to find the correct word? | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| How is your memory?                                     | Better than usual | No worse than usual | Worse than usual | Much worse than usual |
| Do your muscles hurt at rest?                           | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |
| Do your muscles hurt after exercise?                    | Less than usual   | No more than usual  | Worse than usual | Much worse than usual |

19. Here are some questions about aches and pains.

We would like you to think back over the **PAST MONTH**, then **PLEASE TICK ONE BOX FOR EACH QUESTION.**

a) During the **PAST MONTH** have you had any ache or pain which has lasted for one day or longer?

|  |                          |                                       |                          |
|--|--------------------------|---------------------------------------|--------------------------|
| Yes  | <input type="checkbox"/> | No                                    | <input type="checkbox"/> |
|  | <sup>1</sup>             |                                       | <sup>2</sup>             |
| If YES, please answer<br>all the questions below |                          | If NO, please turn to<br>question 20. |                          |

b) Do you have any pain **NOW**?

|     |                          |    |                          |
|-----|--------------------------|----|--------------------------|
| Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
|     | <sup>1</sup>             |    | <sup>2</sup>             |

c) When did the pain start?

|                        |                          |
|------------------------|--------------------------|
| Less than 3 months ago | <input type="checkbox"/> |
| More than 3 months ago | <input type="checkbox"/> |
|                        | <sup>1</sup>             |
|                        | <sup>2</sup>             |

d) What do you think has been the cause of your pain?

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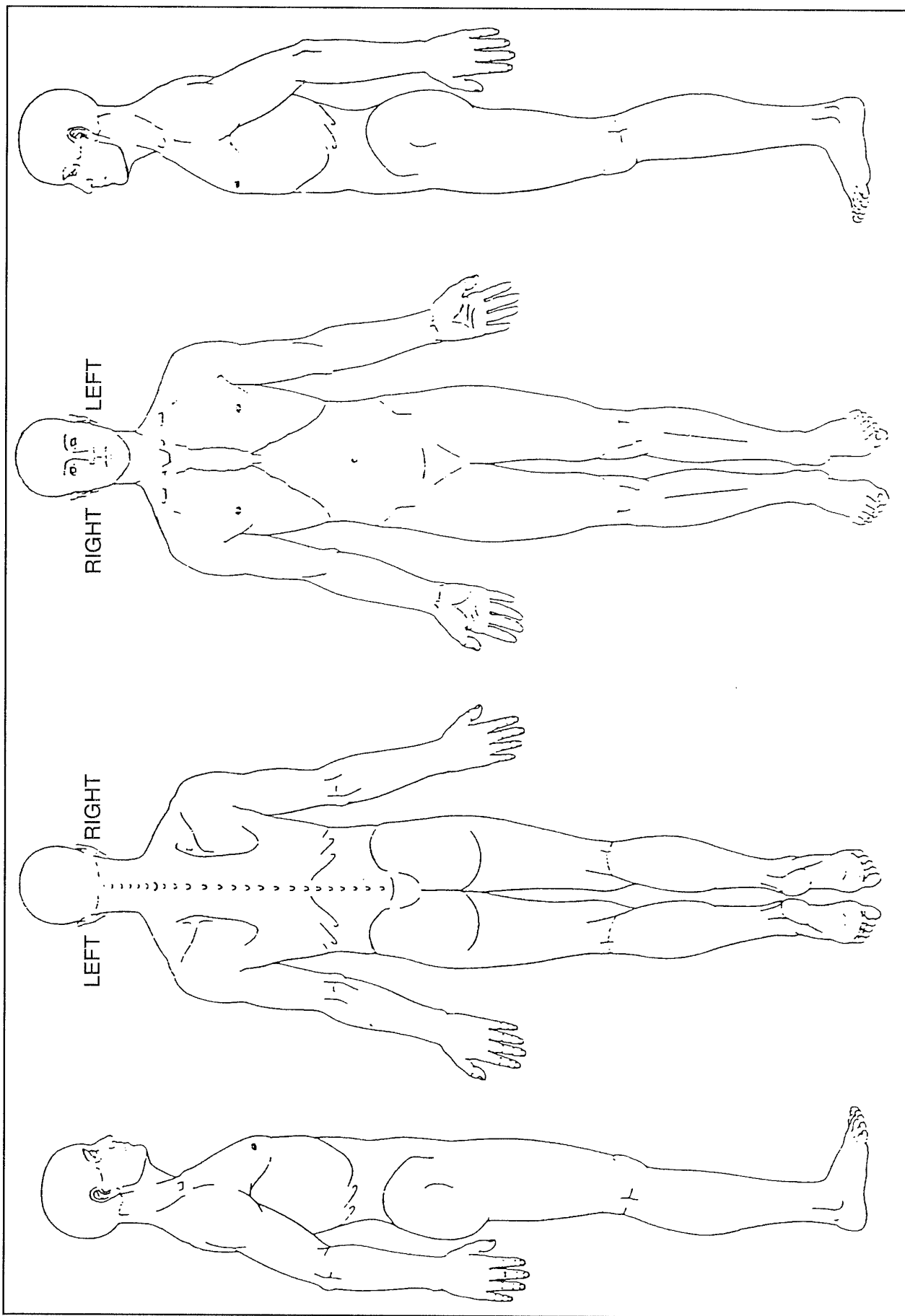
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Over the page you will find four diagrams of the body.

**PLEASE SHADE IN THE DIAGRAMS WHERE YOU FELT OR FEEL THE ACHES AND PAINS.**



**20. Here are some general questions about your health**

Please answer all the questions on the page by **underlining** or **circling** the answer you think most closely applies to you.

**HAVE YOU RECENTLY:-**

|   | 1                  | 2                   | 3                      | 4                    |
|---|--------------------|---------------------|------------------------|----------------------|
| Been able to concentrate on whatever you're doing?    | Better than usual  | Same as usual       | Less than usual        | Much less than usual |
| Lost much sleep over worry?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt that you are playing a useful part in things?    | More so than usual | Same as usual       | Less useful than usual | Much less useful     |
| Felt capable of making decisions about things?        | More so than usual | Same as usual       | Less so than usual     | Much less capable    |
| Felt under constant strain?                           | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Felt you couldn't overcome your difficulties?         | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been able to enjoy your normal day-to-day activities? | More so than usual | Same as usual       | Less so than usual     | Much less than usual |
| Been able to face up to your problems?                | More so than usual | Same as usual       | Less able than usual   | Much less able       |
| Been feeling unhappy and depressed?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been losing confidence in yourself?                   | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been thinking of yourself as a worthless person?      | Not at all         | No more than usual  | Rather more than usual | Much more than usual |
| Been feeling reasonably happy, all things considered? | More so than usual | About same as usual | Less so than usual     | Much less than usual |

21.a) Do you know people who are sick with "Gulf War Syndrome"?

Yes <sup>1</sup> No <sup>2</sup>

b) Are there any other military experiences or exposures we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If YES, can you briefly describe them

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d) Are there other health concerns we haven't asked about which you think are important?

Yes <sup>1</sup> No <sup>2</sup>

If YES, can you briefly describe them

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e) In general, would you say your health is:

Excellent <sup>1</sup>  
Very good <sup>2</sup>  
Good <sup>3</sup>  
Fair <sup>4</sup>  
Poor <sup>5</sup>

22. If there is anything you would like to add please do so below:

