



This quarterly release provides statistical information on the number of UK Armed Forces personnel and UK Entitled civilians, who died, were injured or became ill on Operations KIPION (Middle East), SHADER (Iraq and Syria), TORAL (Afghanistan) and GRITROCK (Ebola crisis in West Africa).

Operation GRITROCK closed on 11 November 2015. The numbers of casualties from Operation GRITROCK are included in the overall results. Statistics for this operation have been included in Annex A.

Defence Statistics are running a consultation regarding the proposal to reduce this Official Statistic from quarterly to bi-annual. The consultation will run for four weeks, from 20 April to 18 May 2017. As long as there is no objection during the consultation period, the reduction of the report will proceed as planned and the next bulletin following the report published in April 2017 will be in October 2017.

## Key Points and Trends

Between 1 June 2011 and 31 March 2017, there were **609** UK Service personnel who died, sustained an injury or had an illness whilst on operations. Of these, **four** died on operations, **none** were Battle Injuries (BI), **286** were Non Battle Injuries (NBI) and **319** were Natural Causes including Disease (NC). Of the **609** UK Service personnel, **28** were sustained within the latest Quarter (Q4).

Of the injuries/illnesses recorded within this quarterly statistical release:

- **One** UK Service personnel died on operations whilst on Op SHADER in Q3/Q4 2016/17.
- **13** UK Service personnel sustained an injury or illness on Op KIPION in Q4 2016/17.
- **25** UK Service personnel sustained an injury or illness on Op SHADER in Q3/Q4 2016/17.
- **Seven** UK Service personnel sustained an injury or illness on Op TORAL in Q4 2016/17.
- **23** UK Service personnel were aeromedically evacuated out of the operational theatres during Q4 2016/17.

Between 1 June 2011 and 31 March 2017, there were **35** UK Entitled civilians who sustained an injury or illness whilst on operations. Of these, **none** were sustained within the latest Quarter (Q4). All **35** UK Entitled civilians were Royal Fleet Auxiliary (RFA) personnel. The civilian-manned Royal Fleet Auxiliary (RFA) delivers worldwide logistical and operational support for the wide range of tasks the Royal Navy undertakes including warfighting, counter-piracy, humanitarian and disaster relief, and counter-narcotics operations.

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# Introduction

MOD is committed to publishing casualty and fatality information on all medium scale operations and any which are deemed to be of high interest to the public.

This statistical bulletin replaces the casualty and fatality statistics previously reported.

This quarterly report provides statistical information on the number of UK Armed Forces personnel and UK Entitled civilians, who died, were injured or became ill on Operations KIPION (Middle East), SHADER (Iraq and Syria), TORAL (Afghanistan) and GRITROCK (Ebola crisis in West Africa). This report covers the time period 1 June 2011 (the earliest date statistics are available for Operation KIPION) to 31 March 2017 (the latest data available).

2011	2012	2013	2014	2015	2016	2017
<b>Op KIPION</b> from 1 June 2011						
				<b>Op SHADER</b> from 8 August 2014		
				<b>Op GRITROCK</b> from 15 September 2014 to 11 November 2015		
				<b>Op TORAL</b> from 1 December 2014		

This report has been provided in response to the increasing number of requests for information about UK Service personnel deployed on current operations. The MOD are committed to making information on operational casualties public but have to draw a line between how much information is provided regularly in the public domain and information which compromises operational security of UK Armed Forces personnel or which risks breaching an individual's right to medical confidentiality.

This report has been published to support the MOD's commitment to release information wherever possible.

Numbers for Operations KIPION and TORAL will be updated quarterly. Numbers for Operation SHADER will be updated bi-annually.

Please note: Operation GRITROCK came to an end when remaining UK Service personnel had returned to the UK on 11 November 2015. Statistics for this operation are provided in Annex A.

## Overall Results

### UK Service Personnel

During the latest quarter 1 January 2017 to 31 March 2017 (Q4 2016/17), there were **28** UK Service personnel who died, sustained an injury or had an illness whilst on operations<sup>1</sup>. Of these, **one** died on operations, **15** were Non Battle Injuries and **12** were Natural Causes (Table 1).

Between 1 January 2017 and 31 March 2017:

- Of the **15** Non Battle Injuries, **one** was an Incapacitating Injury, **12** were Unlisted Conditions and **two** were Unknown<sup>2</sup>.
- Of the **12** Natural Causes, **seven** were Unlisted Conditions and **five** were Unknown<sup>2</sup>.
- **23**<sup>3</sup> UK Service personnel were aeromedically evacuated from operations.

**Table 1: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Operations<sup>1</sup> by Financial Year and Quarter, Numbers<sup>2</sup>**  
**1 June 2011 to 31 March 2017**

Quarter/Year of Injury/Death	All Casualties and Fatalities	Survivors				Fatalities			
		All	Battle Injury	Non Battle Injury	Natural Cause	All	Killed in Action	Died of Wounds	Died on Operations
<b>All</b>	<b>609</b>	<b>605</b>	<b>0</b>	<b>286</b>	<b>319</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>2011-12</b>	<sup>3</sup> <b>56</b>	<b>56</b>	<b>0</b>	<b>37</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 June - 30 June (Q1)	<b>3</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 July - 30 September (Q2)	<b>10</b>	<b>10</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<b>18</b>	<b>18</b>	<b>0</b>	<b>12</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 January - 31 March (Q4)	<b>25</b>	<b>25</b>	<b>0</b>	<b>16</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2012-13</b>	<b>67</b>	<b>67</b>	<b>0</b>	<b>42</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	<b>15</b>	<b>15</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 July - 30 September (Q2)	<b>15</b>	<b>15</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<b>16</b>	<b>16</b>	<b>0</b>	<b>11</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 January - 31 March (Q4)	<b>21</b>	<b>21</b>	<b>0</b>	<b>14</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2013-14</b>	<b>69</b>	<b>69</b>	<b>0</b>	<b>29</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	<b>15</b>	<b>15</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 July - 30 September (Q2)	<sup>4 5</sup> <b>15</b>	<b>15</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<sup>6</sup> <b>31</b>	<b>31</b>	<b>0</b>	<b>16</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 January - 31 March (Q4)	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2014-15</b>	<b>148</b>	<b>148</b>	<b>0</b>	<b>58</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	<b>17</b>	<b>17</b>	<b>0</b>	<b>9</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 July - 30 September (Q2)	<b>24</b>	<b>24</b>	<b>0</b>	<b>14</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<b>51</b>	<b>51</b>	<b>0</b>	<b>19</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 January - 31 March (Q4)	<b>56</b>	<b>56</b>	<b>0</b>	<b>16</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2015-16</b>	<b>136</b>	<b>133</b>	<b>0</b>	<b>59</b>	<b>74</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
1 April - 30 June (Q1)	<b>42</b>	<b>41</b>	<b>0</b>	<b>18</b>	<b>23</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
1 July - 30 September (Q2)	<b>29</b>	<b>29</b>	<b>0</b>	<b>11</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<b>39</b>	<b>37</b>	<b>0</b>	<b>19</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
1 January - 31 March (Q4)	<b>26</b>	<b>26</b>	<b>0</b>	<b>11</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2016-17</b>	<b>133</b>	<b>132</b>	<b>0</b>	<b>61</b>	<b>71</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
1 April - 30 June (Q1)	<b>30</b>	<b>30</b>	<b>0</b>	<b>14</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 July - 30 September (Q2)	<b>28</b>	<b>28</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 October - 31 December (Q3)	<b>47</b>	<b>47</b>	<b>0</b>	<b>18</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 January - 31 March (Q4)	<b>28</b>	<b>27</b>	<b>0</b>	<b>15</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

Source: Initial NOTICAS (JPA) and Aeromedical Evacuation Control Centre (AECC) database

<sup>1</sup> Includes Operations KIPION, SHADER, GRITROCK and TORAL.

<sup>2</sup> In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>3</sup> Statistics are available from 1 June 2011 for Op KIPION.

<sup>4</sup> Op SHADER commenced 6 August 2014.

<sup>5</sup> Op GRITROCK commenced 15 September 2014 and ended 11 November 2015.

<sup>6</sup> Op TORAL commenced 1 December 2014.

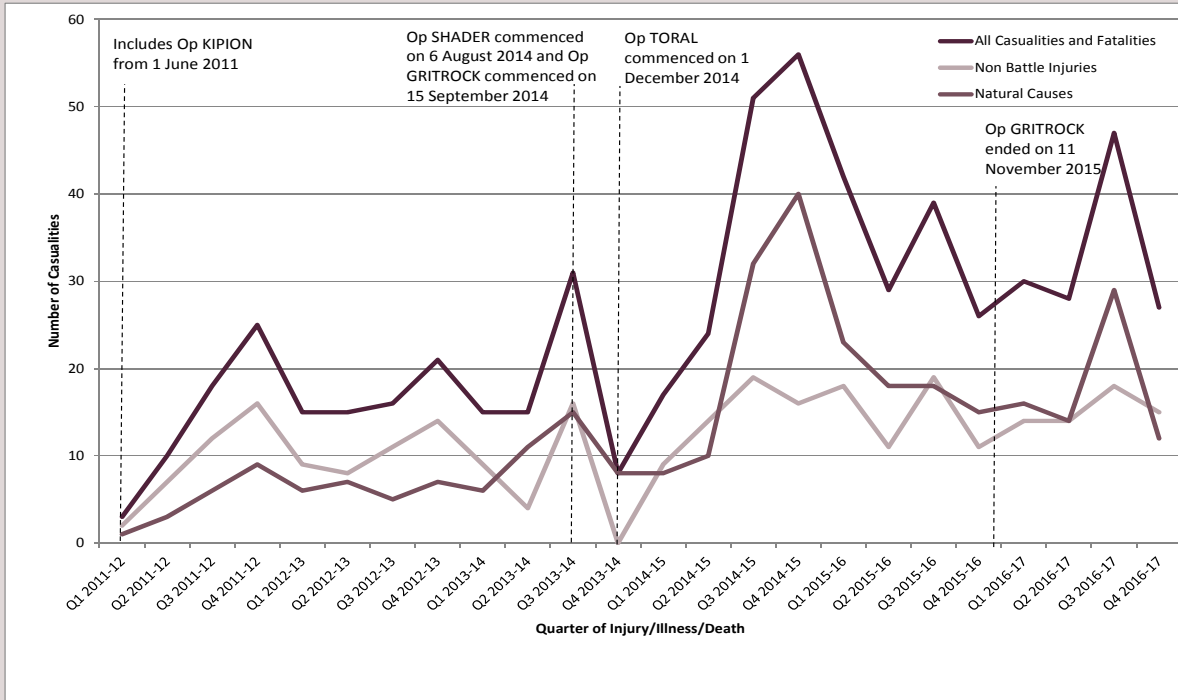
<sup>7</sup> r indicates a revision. Op SHADER numbers have been added to Q3, these figures are provided on a bi-annual basis.

<sup>1</sup> Includes Operations KIPION, SHADER, TORAL and GRITROCK.

<sup>2</sup> Not all casualties will have a NOTICAS raised and therefore the severity classification is unknown.

<sup>3</sup> The injury/natural cause for which a casualty is being aeromedically evacuated may have occurred in a previous quarter.

**Figure 1: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Operations<sup>1</sup> by Financial Year and Quarter, Numbers<sup>2,3,4</sup>  
1 June 2011 to 31 March 2017**



Source: Initial NOTICAS (JPA) and Aeromedical Evacuation Control Centre (AECC) database

<sup>1</sup> Includes Operations KIPION, SHADER, GRITROCK and TORAL.

<sup>2</sup> All casualties and fatalities include 4 fatalities. A separate line has not been provided due to the small numbers.

<sup>3</sup> There were no battle injuries recorded over the whole time period.

<sup>4</sup> Op SHADER numbers have been added to Q3, these figures are provided on a bi-annual basis.

## UK Civilians

During the latest quarter 1 January 2017 to 31 March 2017 (Q4 2016/17), there were **no** UK Entitled civilians who died as a result of deployment on operations or who sustained an injury or illness whilst on operations.



**Figure 2: RAF Tornado GR4's over Iraq on an armed reconnaissance mission in support of Op SHADER.**

Source: RAF  
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## Operation KIPION

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Op KIPION is the UK's primary deterrence and presence patrol in the Middle East and has been running since 2011. Op KIPION is a combination of Royal Navy operations in the Middle East patrolling the Strait of Hormuz, Suez Canal and counter piracy in the Indian Ocean, and RAF operations in the Broader Middle East. The following link provides further information on Op KIPION:

<http://www.royalnavy.mod.uk/news-and-latest-activity/operations/red-sea-and-persian-gulf/kipion>

Due to the numbers of Royal Fleet Auxiliary (RFA)<sup>4</sup> personnel deployed on Op KIPION, a table has been included presenting the number of UK Entitled civilian casualties by financial year.

### UK Service Personnel

Between 1 June 2011 and 31 March 2017, there were **418** UK Service personnel who died, sustained an injury or had an illness whilst on Op KIPION. Of these, **one** died on operations, **214** were Non Battle Injuries and **203** were Natural Causes (Table 2).

During the latest quarter 1 January 2017 to 31 March 2017 (Q4 2016/17), there were **13** UK Service personnel who sustained an injury or had an illness whilst on Op KIPION. Of these, **eight** were Non Battle Injuries and **five** were Natural Causes (Table 2).

Between 1 January 2017 and 31 March 2017:

- **None** died as a result of Op KIPION (Table 2).
- Of the **eight** Non Battle Injuries, **one** was an Incapacitating Injury and **seven** were Unlisted Conditions (Table 2a).
- Of the **five** Natural Causes, **three** were Unlisted Conditions and **two** were Unknown<sup>5</sup> (Table 2a).
- **13**<sup>6</sup> UK Service personnel were aeromedically evacuated from Op KIPION (Table 2b).

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<sup>4</sup> The civilian-manned Royal Fleet Auxiliary (RFA) delivers worldwide logistical and operational support for the wide range of tasks the Royal Navy undertakes including warfighting, counter-piracy, humanitarian and disaster relief, and counter-narcotics operations.

<sup>5</sup> Not all casualties will have an Initial NOTICAS raised and therefore the severity classification is unknown.

<sup>6</sup> The injury/illness for which a casualty is being aeromedically evacuated may have occurred in a previous quarter.

**Table 2: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Op KIPION by Financial Year and Quarter, Numbers<sup>1</sup>**  
**1 June 2011 to 31 March 2017**

Quarter/Year of Injury/Death	All Casualties and Fatalities	Survivors				Fatalities			
		All	Battle Injury	Non Battle Injury	Natural Cause	All	Hostile Action Killed in Action	Action Died of Wounds	Died on Operations
<b>All</b>	<b>418</b>	<b>417</b>	<b>0</b>	<b>214</b>	<b>203</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>2011-12</b>	<sup>2</sup> <b>56</b>	<b>56</b>	<b>0</b>	<b>37</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 June - 30 June (Q1)	3	3	0	2	1	0	0	0	0
1 July - 30 September (Q2)	10	10	0	7	3	0	0	0	0
1 October - 31 December (Q3)	18	18	0	12	6	0	0	0	0
1 January - 31 March (Q4)	25	25	0	16	9	0	0	0	0
<b>2012-13</b>	<b>67</b>	<b>67</b>	<b>0</b>	<b>42</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	15	15	0	9	6	0	0	0	0
1 July - 30 September (Q2)	15	15	0	8	7	0	0	0	0
1 October - 31 December (Q3)	16	16	0	11	5	0	0	0	0
1 January - 31 March (Q4)	21	21	0	14	7	0	0	0	0
<b>2013-14</b>	<b>69</b>	<b>69</b>	<b>0</b>	<b>29</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	15	15	0	9	6	0	0	0	0
1 July - 30 September (Q2)	15	15	0	4	11	0	0	0	0
1 October - 31 December (Q3)	31	31	0	16	15	0	0	0	0
1 January - 31 March (Q4)	8	8	0	0	8	0	0	0	0
<b>2014-15</b>	<b>77</b>	<b>77</b>	<b>0</b>	<b>38</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	17	17	0	9	8	0	0	0	0
1 July - 30 September (Q2)	23	23	0	14	9	0	0	0	0
1 October - 31 December (Q3)	23	23	0	9	14	0	0	0	0
1 January - 31 March (Q4)	14	14	0	6	8	0	0	0	0
<b>2015-16</b>	<b>79</b>	<b>78</b>	<b>0</b>	<b>35</b>	<b>43</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
1 April - 30 June (Q1)	26	25	0	9	16	1	0	0	1
1 July - 30 September (Q2)	15	15	0	7	8	0	0	0	0
1 October - 31 December (Q3)	21	21	0	11	10	0	0	0	0
1 January - 31 March (Q4)	17	17	0	8	9	0	0	0	0
<b>2016-17</b>	<b>70</b>	<b>70</b>	<b>0</b>	<b>33</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<sup>1</sup> 1 April - 30 June (Q1)	21	21	0	10	11	0	0	0	0
1 July - 30 September (Q2)	13	13	0	7	6	0	0	0	0
1 October - 31 December (Q3)	23	23	0	8	15	0	0	0	0
1 January - 31 March (Q4)	13	13	0	8	5	0	0	0	0

**Source: Initial NOTICAS, Aeromedical Evacuation Control Centre (AECC) database and JPA**

<sup>1</sup>In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>2</sup> From 1 June 2011 (earliest date casualty data was available for Op KIPION)

## UK Civilians

Between 1 June 2011 and 31 March 2017 there were **34** UK Entitled civilians who sustained an injury or had an illness whilst on Op KIPION. Of these, **10** were Non Battle Injuries and **24** were Natural Causes (Table 2c).

During the latest quarter 1 January 2017 and 31 March 2017 (Q4 2016/17), there were **no** UK Entitled civilians who died, sustained an injury or had an illness whilst on Op KIPION<sup>7</sup>.

**Table 2c: UK Entitled Civilians who Died, Sustained an Injury or had an Illness whilst on Op KIPION by Financial Year and Quarter, Numbers<sup>1</sup>**  
1 June 2011 to 31 March 2017

Year of Injury/Death	All Casualties and Fatalities	Survivors				Fatalities			
		All	Battle Injury	Non Battle Injury	Natural Cause	All	Hostile Action Killed in Action	Died of Wounds	Died on Operations
All	34	34	0	10	24	0	0	0	0
2011-12	1 <sup>2</sup>	1	0	1	0	0	0	0	0
2012-13	0	0	0	0	0	0	0	0	0
2013-14	9	9	0	2	7	0	0	0	0
2014-15	10	10	0	4	6	0	0	0	0
2015-16	3	3	0	1	2	0	0	0	0
2016-17	11	11	0	2	9	0	0	0	0

Source: Initial NOTICAS, Aeromedical Evacuation Control Centre (AECC) database and JPA

<sup>1</sup> In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>2</sup> From 1 June 2011 (earliest date casualty data was available for Op KIPION)



**Figure 3: Type 45 destroyer HMS Dragon pictured in the Middle East during Op KIPION 2013**

Source: Royal Navy  
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<sup>7</sup> UK Entitled civilian numbers are presented by financial year only in Table 2c.

## Operation SHADER

The MOD is providing military support to the US led Coalition to defeat Daesh in Iraq and Syria. This support includes training Kurdish forces with over 320 tonnes of UK gifted weapons, UK gifted machine guns, ammunition and other military equipment. Since the Parliamentary vote, the RAF has flown successful strikes and provided valuable intelligence and surveillance. The following link provides further information on Op SHADER: <https://www.gov.uk/government/news/update-air-strikes-against-daesh>

### UK Service Personnel

Between 6 August 2014 and 31 March 2017, there were **79** UK Service personnel who died, sustained an injury or had an illness whilst on Op SHADER. Of these, **one** died on operations, **39** were Non Battle Injuries and **39** were Natural Causes.

During the last six months 1 October 2016 to 31 March 2017 (Q3/Q4 2016/17), there were **26** UK Service personnel who died, sustained an injury or had an illness whilst on Op SHADER. Of these, **one** died on operations, **13** were Non Battle Injuries and **12** were Natural Causes (Table 3).

Between 1 October 2016 and 31 March 2017:

- **One** UK Service personnel died on operations (Table 3).
- Of the **13** Non Battle Injuries, **one** was classified as Seriously Injured, **seven** were Unlisted Conditions and **five** were Unknown<sup>8</sup> (Table 3a).
- Of the **12** Natural Causes, **nine** were Unlisted Conditions and **three** were Unknown<sup>8</sup> (Table 3a).
- **18**<sup>9</sup> UK Service personnel were aeromedically evacuated from Op SHADER (Table 3b).

**Table 3: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Op SHADER by Financial Year (Bi-Annual) and Quarter, Numbers<sup>1</sup>**  
**6 August 2014 to 31 March 2017**

Bi-Annual/Year of Injury/Death <sup>1</sup>	All Casualties and Fatalities	All	Survivors			Fatalities			
			Battle Injury	Non Battle Injury	Natural Cause	All	Hostile Killed in Action	Action Died of Wounds	Died on Operations
<b>All</b>	<b>79</b>	<b>78</b>	<b>0</b>	<b>39</b>	<b>39</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>2014-15</b> <sup>2</sup>	<b>10</b>	<b>10</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
6 August - 31 March (Q2/Q3/Q4)	10	10	0	7	3	0	0	0	0
<b>2015-16</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>12</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 September (Q1/Q2)	14	14	0	7	7	0	0	0	0
1 October - 31 March (Q3/Q4)	11	11	0	5	6	0	0	0	0
<b>2016-17</b>	<b>44</b>	<b>43</b>	<b>0</b>	<b>20</b>	<b>23</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
1 April - 30 September (Q1/Q2)	18	18	0	7	11	0	0	0	0
1 October - 31 March (Q3/Q4)	26	25	0	13	12	1	0	0	1

**Source: Initial NOTICAS (JPA) and Aeromedical Evacuation Control Centre (AECC) database**

<sup>1</sup> In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>2</sup> From 6 August 2014 (start of Op SHADER)

### UK Civilians

During the last six months 1 October 2016 to 31 March 2017 (Q3/Q4 2016/17), there were **no** UK Entitled civilians who died, sustained an injury or had an illness whilst on Op SHADER.

<sup>8</sup> Not all casualties will have an Initial NOTICAS raised and therefore the severity classification is unknown.

<sup>9</sup> The injury/illness for which a casualty is being aeromedically evacuated may have occurred in a previous quarter.



## Operation TORAL

The UK's post 2014 contribution to operations in Afghanistan under the NATO RESOLUTE SUPPORT MISSION. Casualty and fatality statistics for Operations VERITAS and HERRICK in Afghanistan (Oct 2001 to Dec 2014) have been published by MOD on a monthly basis since 2006. They can be accessed by the following link: <https://www.gov.uk/government/collections/op-herrick-casualty-and-fatality-tables-index> (they are now located under Historical National and Official Statistics on the MOD National and Official Statistics by topic page of the website).

### UK Service Personnel

Between 1 December 2014 and 31 March 2017, there were **53** UK Service personnel who died, sustained an injury or had an illness whilst on Op TORAL. Of these, **two** died on operations, **22** were Non Battle Injuries and **29** were Natural Causes.

During the latest quarter, 1 January 2017 to 31 March 2017 (Q4 2016/17), there were **seven** UK Service personnel who sustained an injury or had an illness whilst on Op TORAL. Of these, **four** were Non Battle Injuries and **three** were Natural Causes (Table 4).

During 1 January 2017 to 31 March 2017:

- **None** died as a result of Op TORAL (Table 4)
- All of the **four** Non Battle Injuries were Unlisted Conditions (Table 4a).
- Of the **three** Natural Causes, **one** was an Unlisted Condition and **two** were Unknown<sup>10</sup> (Table 4a).
- **Six**<sup>11</sup> UK Service personnel were aeromedically evacuated from Op TORAL (Table 4b).

**Table 4: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Op TORAL by Financial Year and Quarter, Numbers<sup>1</sup>**  
1 December 2014 to 31 March 2017

Quarter/Year of Injury/Death	All Casualties and Fatalities	Survivors				Fatalities			
		All	Battle Injury	Non Battle Injury	Natural Cause	All	Hostile Action Killed in Action	Died of Wounds	Died on Operations
<b>All</b>	<b>53</b>	<b>51</b>	<b>0</b>	<b>22</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>2014-15</b>	<sup>2</sup> <b>10</b>	<b>10</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 December - 31 December (Q3)	5	5	0	1	4	0	0	0	0
1 January - 31 March (Q4)	5	5	0	2	3	0	0	0	0
<b>2015-16</b>	<b>24</b>	<b>22</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
1 April - 30 June (Q1)	5	5	0	5	0	0	0	0	0
1 July - 30 September (Q2)	3	3	0	0	3	0	0	0	0
1 October - 31 December (Q3)	12	10	0	4	6	2	0	0	2
1 January - 31 March (Q4)	4	4	0	2	2	0	0	0	0
<b>2016-17</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	2	2	0	0	2	0	0	0	0
1 July - 30 September (Q2)	4	4	0	4	0	0	0	0	0
1 October - 31 December (Q3)	6	6	0	0	6	0	0	0	0
1 January - 31 March (Q4)	7	7	0	4	3	0	0	0	0

**Source: Initial NOTICAS, Aeromedical Evacuation Control Centre (AECC) database and JPA**

<sup>1</sup> In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>2</sup> From 1 December 2014 (start of Op TORAL)

<sup>10</sup> Not all casualties will have an initial NOTICAS raised and therefore the severity classification is unknown.

<sup>11</sup> The injury/illness for which a casualty is being aeromedically evacuated may have occurred in a previous quarter.

## UK Civilians

During the latest quarter 1 January 2017 to 31 March 2017 (Q4 2016/17), there were **no** UK Entitled civilians who died, sustained an injury or had an illness whilst on Op TORAL.



**Figure 4: An RAF Puma deployed on Operation TORAL in Afghanistan**

Source: RAF  
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## Methodology

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**This section provides a brief summary of the methodology and data sources; more detailed information is available in the background quality report for this bulletin.**

### **Overall Operational Casualties:**

The Overall figures for the number of casualties and fatalities on operations are compiled from multiple data sources used to report on operational Casualties and deaths.

A Casualty will only be counted once for their injury or illness in this section, even if they appear in all datasets. If a casualty was previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

### **For each Operation:**

The overall figures for the number of casualties and fatalities from the multiple data sources used to report on operational deaths and casualties. A Casualty or fatality will only be counted once for their injury or illness in this section, even if they appear in all datasets.

Data series on (i) Initial Notification of Casualty (ii) Number of UK Service Personnel Aeromedically Evacuated are provided in the supplementary tables.

### **UK Entitled Civilians**

This section provides the number of UK entitled Civilians who have sustained an injury or illness on operations and the number of UK entitled Civilians who have died as a result of Operations.

### **For Operation GRITROCK:**

An additional section was provided on the number of patients treated at the UK military treatment facility within the Kerry Town Treatment Unit in Sierra Leone. The number of UK Service Personnel and the number of UK Civilians admitted to the Treatment Unit were also presented.

### **Operational Casualty and Fatality Data (see Background Quality Report for more information on each data source)**

Data on operational Casualties are compiled by Defence Statistics from the following data sources: Initial Notification of Casualty (NOTICAS), Aeromedical Evacuations and Medical Audit forms from the Kerry Town Treatment Unit (KTTU).

Data on Operational Fatalities are compiled by Defence Statistics from the following data sources: Initial Notification of Casualty (NOTICAS), weekly notifications of deaths for UK entitled civilians on Operations and all regular Armed Forces deaths from the Joint Casualty and Compassionate Cell; Notification from Permanent Joint Headquarters (PJHQ) at the time of death for all Operational deaths; Additional information on cause of death from military medical sources in the single Services.

## Glossary

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<b>BI</b>	<b>Battle Injury</b>	A Battle Injury includes those wounded as a result of hostile action. This includes injuries sustained whilst avoiding direct or indirect fire. Also described as 'wounded in action'.
<b>NBI</b>	<b>Non-Battle Injury</b>	A Non-Battle Injury is any injury that is not caused by a hostile act and includes any accidental injuries such as sports injuries, road traffic accidents etc.
<b>NC</b>	<b>Natural Causes</b>	Natural Causes includes illness, disease and pregnancy.
<b>NOTICAS</b>	<b>Notification of Casualty</b>	Notification of Casualty (or NOTICAS) is the name for the formalised system of reporting casualties within the UK Armed Forces. The NOTICAS reports raised for casualties contain information on how seriously medical staff on operations judge their condition to be.
<b>VSI</b>	<b>Very Seriously Injured/III</b>	Where the patient's condition is of such severity that life or reason is imminently endangered.
<b>SI</b>	<b>Seriously Injured/III</b>	Where the patient's condition is of such severity that there is cause for immediate concern, but there is no imminent danger to life or reason.
<b>III</b>	<b>Incapacitated Injury/Illness</b>	Any illness or injury (including battle casualties) which does not warrant classification of VSI or SI but renders them physically and/or mentally incapacitated.
<b>UL</b>	<b>Unlisted casualty</b>	An individual whose illness or injury requires hospitalisation but whose condition does not warrant classification as VSI, SI or III.
<b>HA</b>	<b>Hostile Action</b>	Hostile action includes deaths categorised as Killed in Action or Died of Wounds.
<b>KIA</b>	<b>Killed in Action</b>	A battle casualty who is killed outright or who dies as a result of wounds or other injuries before reaching a medical treatment facility.
<b>DOW</b>	<b>Died of Wounds</b>	A battle casualty who dies of wounds or other injuries received in action, after having reached a medical treatment facility. This only includes those who have died of wounds whilst under the care of Defence Medical Services.
<b>DOP</b>	<b>Died on Operations</b>	A casualty who died whilst deployed on, or as a result of operations but is not KIA or DOW. Includes operational accidents, road traffic accidents, assaults, suicides and deaths as a result of natural causes.

**AECC      Aero-medical Evacuation Control Centre**

Aeromedical Evacuation (AE) is the medically supervised movement of patients to and between medical treatment facilities by air transportation. See Background Quality Report for further information on Aeromed Evacuations.

**JPA      Joint Personnel Administration**

JPA is the personnel administration system used by the UK Armed Forces. It is the single authoritative source for demographic information for personnel.

**NGO      Non-Governmental Organisation**

**KTTU      Kerry Town Treatment Unit**

**PJHQ      Permanent Joint Headquarters**

Permanent Joint Headquarters is the British Tri-Service Headquarters from where all overseas military operations are planned and controlled.

**RFA      Royal Fleet Auxilliary**

The civilian-manned Royal Fleet Auxiliary (RFA) delivers worldwide logistical and operational support for the wide range of tasks the Royal Navy undertakes including warfighting, counter-piracy, humanitarian and disaster relief, and counter-narcotics operations.

## Further Information

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### Symbols

- || discontinuity in time series
- \* not applicable
- .. not available
- Zero or rounded to zero

*Italic* figures are used for percentages and other rates.

### Revisions

There are no regular planned revisions of this Bulletin other than the bi-annual update to Op SHADER numbers. Amendments to figures for earlier years may be identified during the annual compilation of this Bulletin. This will be addressed in one of two ways:

- i. where the number of figures updated in a table is small, figures will be updated and those which have been revised will be identified with the symbol "r". An explanation for the revision will be given in the footnotes to the table.
- ii. where the number of figures updated in a table is substantial, the revisions to the table, together with the reason for the revisions, will be identified in the commentary at the beginning of the relevant chapter / section, and in the commentary above affected tables. Revisions will not be identified by the symbol "r" since where there are a large number of revisions in a table this could make them more difficult to read.

Occasionally updated figures will be provided to the editor during the course of the year. Since this Bulletin is published electronically, it is possible to revise figures during the course of the year. However to ensure continuity and consistency, figures will only be adjusted during the year where it is likely to substantially affect interpretation and use of the figures.

### Useful Links:

As referenced on page 5, the link to the Op HERRICK casualty tables is provided here:

<https://www.gov.uk/government/collections/op-herrick-casualty-and-fatality-tables-index>

An official statistic providing information on deaths for each medal earning operation is provided here:

<https://www.gov.uk/government/statistics/uk-armed-forces-operational-deaths-post-world-war-2-2017>

## Further Information (cont.)

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### Contact Us

Defence Statistics welcome feedback on our statistical products. If you have any comments or questions about this publication or about our statistics in general, you can contact us as follows:

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## Annex A

### Operation GRITROCK

Following the World Health Organisation (WHO) declaring Sierra Leone free from Ebola Virus Disease (EVD) on 7 November 2015, and given that the Department for International Development (DfID) had requested military support only until Sierra Leone had reached zero cases plus 42 days, there was no further requirement for military support to DfID. Therefore, Operation GRITROCK came to an end when remaining UK Service personnel had returned to the UK on 11 November 2015. This information was previously released on 14 January 2016 (date of final publication for Op GRITROCK) and has not been updated in this release.

#### UK Service Personnel

Overall, 15 September 2014 to 11 November 2015 there were **59** UK Service personnel who sustained an injury or had an illness whilst on Op GRITROCK (Table A1). Of these, **11** were Non Battle Injuries and **48** were Natural Causes.

Between 15 September 2014 and 11 November 2015:

- **None** died as a result of Op GRITROCK (Table A1).
- Of the **11**<sup>12</sup> Non Battle Injuries, **ten** were Unlisted Conditions and **one** was Unknown<sup>13</sup>. (Table A1a).
- Of the **48**<sup>8</sup> Natural Causes, **one** was classified as Very Seriously Ill, **two** were Seriously Ill, **two** were Incapacitating Illnesses, **39** were Unlisted Conditions and **four** were Unknown<sup>9</sup>.
- **19** UK Service personnel were aeromedically evacuated from Op GRITROCK (Table A1b).

**Table A1: UK Service Personnel who Died, Sustained an Injury or had an Illness whilst on Op GRITROCK by Financial Year and Quarter, Numbers**  
15 September 2014 to 11 November 2015

Quarter/Year of Injury/Death <sup>1</sup>	All Casualties and Fatalities	Survivors			Natural Cause	Fatalities			Died on Operations
		All	Battle Injury	Non Battle Injury		All	Hostile Action Killed in Action	Died of Wounds	
<b>All</b>	<b>59</b>	<b>59</b>	<b>0</b>	<b>11</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2014-15</b> <sup>2</sup>	<b>51</b>	<b>51</b>	<b>0</b>	<b>10</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
15 September - 30 September (Q2)	0	0	0	0	0	0	0	0	0
1 October - 31 December (Q3)	20	20	0	6	14	0	0	0	0
1 January - 31 March (Q4)	31	31	0	4	27	0	0	0	0
<b>2015-16</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1 April - 30 June (Q1)	6	6	0	1	5	0	0	0	0
1 July - 30 September (Q2)	2	2	0	0	2	0	0	0	0
1 October - 11 November (Q3)	0	0	0	0	0	0	0	0	0

**Source: Initial NOTICAS (JPA) and Aeromedical Evacuation Control Centre (AECC) database**

<sup>1</sup> In the survivors section, the year refers to the financial year in which the injury occurred. In the fatalities section, the year refers to the financial year in which personnel died. It is therefore possible for an individual to be injured in one financial year and die in a subsequent financial year. If a casualty previously recorded as a surviving casualty subsequently dies from their wounds/injuries, they will only be recorded in the fatalities section.

<sup>2</sup> From 15 September 2014 (start of Op GRITROCK)

#### UK Civilians

Between 15 September 2014 and 11 November 2015, there were **no** UK Entitled civilians who died on Op GRITROCK. However, **one** UK Entitled civilian sustained an injury or illness.

<sup>12</sup> Numbers from the data sources will not sum to total number of personnel who sustained an injury or illness for a number of reasons including: individuals may appear in more than one of the data sets and will be counted in each data source but only once in the total; not all personnel will have an initial NOTICAS raised.

<sup>13</sup> Not all casualties will have an Initial NOTICAS raised and therefore the severity classification is unknown.



## Annex A continued

### Kerry Town Treatment Unit

An Ebola treatment facility opened on the 5 November 2014 in Kerry Town, near the Sierra Leone capital Freetown. This facility was run by UK Military until 30 June 2015 when it was handed over to Aspen Medical by the deployed military team. The Kerry Town complex included an 80 bed treatment centre managed by Save the Children and a 12 bed centre staffed by UK military medics specifically for health care workers and international staff responding to the Ebola crisis. This section focuses only on those patients that were admitted to the 12 bed Health worker treatment centre run by the UK military.



**Figure 4: The Kerry Town Treatment Centre in Sierra Leone near the capital Freetown.**

Source: Royal Navy  
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**Table A2: Patients admitted to the Kerry Town Treatment Unit in Sierra Leone by Type of Disease and Financial Year and Quarter, Numbers  
5 November 2014 to 30 June 2015**

Quarter/Year Admitted	Number of Patients Admitted	Type of Disease			
		Ebola Virus	Other <sup>1</sup>	Unknown	
All	125	43	55	27	
Alive	104	23	54	27	
Deceased	21	20	1	0	
2014-15	3	108	42	43	23
5 November - 31 December (Q3)	43	24	13	6	
1 January - 31 March (Q4)	65	18	30	17	
2015-16		19	1	13	5
1 April - 30 June (Q1)	4	19	1	13	5

**Source: Kerry Town treatment Unit (KTTU), Medical audit Form (MAF)**

<sup>1</sup> 'Other' diseases for example include Malaria, Shigella and E Coli.

<sup>2</sup> Type of disease not identified.

<sup>3</sup> From 5 November 2014 (date KTTU opened)

<sup>4</sup> KTTU was handed over to Aspen Medical by the deployed military team on the 30 June 2015