

## CO-GAS SAFETY'S STATISTICS ON DEATHS AND INJURIES\*

UK deaths caused by accidental Carbon Monoxide (CO) poisoning  
(Between 1 Sept 1995 - 31 Aug 2015): **Total: 699**

TENURE	
Total Number of CO accidental deaths by Tenure: (1 Sept 95 – 31 Aug 2015):	
Owner/Occupier	388
Private Rental	65
Council	64
Housing Association	18
Other (e.g. hotel)	30
Unknown	134

SITUATION					
Total Number of CO accidental deaths by Situation (1 Sept 1995 – 31 Aug 2015):					
House	332	Campervan	1	Public House	4
Flat	96	Boat	28	Care Home	2
Bungalow	45	Shed/Cabin	13	Shop	1
Caravan	30	Hotel	6	Public Hall	2
Vehicle – car/lorry	28	Workshop	5	Other	9
Garage	25	Tent	12	Unknown	40
Work Place	11	Commercial Premises	9		

FUEL TYPE																					
Total Number of CO accidental deaths by Fuel breakdown and CO-Gas year (1 Sept to 31 Aug):																					
	95/96	96/97	97/98	98/99	99/20	20/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	Total
Gas Mains	33	23	19	24	14	16	7	12	8	14	12	9	11	17	4	12	0	4	2	2	243
Gas Portable	8	8	5	5	10	5	7	7	7	4	7	4	3	6	5	3	1	2	3	0	100
Solid	26	18	26	14	17	14	5	8	5	5	8	14	10	6	9	6	11	5	8	3	218
Petrol	6	7	3	7	3	3	8	1	2	3	2	9	5	4	6	5	2	4	3	0	83
Oil	0	2	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	6
Paraffin	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
Unknown	1	1	0	0	1	0	4	2	1	2	4	2	1	5	0	2	3	7	2	8	46
<b>Total</b>	<b>74</b>	<b>59</b>	<b>53</b>	<b>51</b>	<b>46</b>	<b>38</b>	<b>31</b>	<b>30</b>	<b>23</b>	<b>28</b>	<b>33</b>	<b>39</b>	<b>31</b>	<b>39</b>	<b>25</b>	<b>28</b>	<b>17</b>	<b>23</b>	<b>18</b>	<b>13</b>	<b>699</b>

### Near-Misses from Accidental Carbon Monoxide Poisoning in UK

(1 Sept 1995 - 31 Aug 2015): **Total: 5075**

More than 2188 requiring hospital treatment and of those over 379 had lost consciousness

95/96	96/97	97/98	98/99	99/20	20/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	Total
452	444	316	378	327	300	103	153	171	214	155	327	202	264	204	175	205	294	261	130	5075

### Deaths from Gas Explosion in UK (1 Sept 1995 - 31 Aug 2015): **Total: 108**

95/96	96/97	97/98	98/99	99/20	20/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	Total
11	5	6	6	13	6	6	5	15	4	4	4	5	4	4	5	2	2	2	108

\*Information is collected from the International Press Cuttings Bureau on a daily basis and from other sources. Coroners are contacted about all deaths. The tabulated data presented here is based on the December 2015 update. For further details please visit [www.co-gassafety.co.uk](http://www.co-gassafety.co.uk)

## CO-Gas Safety data on deaths from unintentional CO poisoning put into HSE years (1 April to 31 March)

Year	95/96	96/97	97/98	98/99	99/20	20/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	Total
Solid fuel	25	17	22	18	15	19	5	8	3	7	8	12	10	8	7	7	7	8	9	5	220
Gas Mains	28	24	18	23	16	17	6	13	9	13	10	9	12	15	8	12	0	4	0	4	241
Gas Portable	8	6	6	5	10	6	6	7	9	2	8	3	5	5	4	4	2	2	2	1	101
Petrol/diesel	4	7	5	6	4	3	6	4	2	2	2	8	7	2	8	4	3	1	6	0	84
Oil	0	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	6
Paraffin	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
Unknown	0	1	0	0	0	0	2	4	0	3	3	3	1	5	0	2	3	6	3	7	43
<b>Total</b>	<b>65</b>	<b>57</b>	<b>51</b>	<b>52</b>	<b>47</b>	<b>45</b>	<b>25</b>	<b>36</b>	<b>23</b>	<b>27</b>	<b>31</b>	<b>35</b>	<b>37</b>	<b>36</b>	<b>28</b>	<b>29</b>	<b>15</b>	<b>22</b>	<b>20</b>	<b>17</b>	<b>698</b>

Please note that HSE collect statistics for domestic/commercial gas fatalities due to both LPG and Natural Gas. Workplace CO deaths recorded could (theoretically) arise from incomplete combustion of any type of fuel. In contrast, CO-Gas Safety collects statistics with regard to unintentional CO related deaths and injuries from all fuels.

## CO-Gas Safety data on deaths from unintentional CO poisoning put into Gas Safety Trust years (1 July to 30 June)

Year	95/96	96/97	97/98	98/99	99/20	20/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11	11/12	12/13	13/14	14/15	Total
Solid fuel	26	17	26	15	17	15	6	8	5	5	7	12	10	9	8	6	12	3	9	4	220
Gas Mains	31	22	21	24	13	16	7	12	8	14	12	7	13	17	4	12	0	4	2	2	241
Gas Portable	8	8	5	5	10	5	8	7	7	2	8	4	4	5	4	4	2	2	3	0	101
Petrol/diesel	6	7	4	7	3	3	8	1	2	2	3	7	7	4	6	4	3	4	3	0	84
Oil	0	2	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	6
Paraffin	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
Unknown	0	1	0	0	0	0	3	3	0	3	4	2	1	5	0	2	3	6	3	8	44
<b>Total</b>	<b>71</b>	<b>57</b>	<b>56</b>	<b>52</b>	<b>44</b>	<b>39</b>	<b>32</b>	<b>31</b>	<b>22</b>	<b>26</b>	<b>34</b>	<b>32</b>	<b>37</b>	<b>41</b>	<b>23</b>	<b>28</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>14</b>	<b>699</b>

Please note. CO-Gas Safety started collecting its data on the 1st September 1995 so for 95-96, the data put into HSE year (April to March) and Gas Safety Trust year (June to July) is only partial for the time period.

# Table RIDGAS1

Incidents reported in Great Britain relating to the supply and use of flammable gas (a)  
2010/11 - 2014/15p

Type of incident (b)		Year				
		2010/11	2011/12	2012/13	2013/14r	2014/15p
Total number of incidents		278	173	224	211	161
	Carbon monoxide poisoning	229	142	193	188	138
	Other exposure e.g. to unburnt gas	13	7	6	3	3
	Explosion/fire	36	24	25	20	20
Total number of fatalities		17	4	10	6	6
	Carbon monoxide poisoning	13	3	9	3	6
	Other exposure e.g. to unburnt gas	1	-	-	-	-
	Explosion/fire	3	1	1	3	-
Total number of non-fatalities		428	266	353	356	240
	Carbon monoxide poisoning	368	226	313	329	214
	Other exposure e.g. to unburnt gas	12	8	6	5	3
	Explosion/fire	48	32	34	22	23

## Notes:

Source: RIDDOR – Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (as amended)

r = Revised

p = Provisional

(a) Mainly piped gas but also includes bottled LPG

(b) An incident can cause more than one fatality or injury

Regulation 11(1) of RIDDOR 2013 places a duty on certain conveyors of gas (including LPG), to notify HSE of an incident involving a fatal or major injury that has occurred as a result of the distribution or supply of flammable gas. The statistics published above are 'as reported' to HSE. When such reports are made, it is at the early stages of the incident, thus the detailed circumstances of the incident will not have been known.

Key changes to the reporting system and the legal requirements for RIDDOR have occurred in recent years. More information on data changes affecting RIDDOR statistics is available at:

<http://www.hse.gov.uk/statistics/riddor-notification.htm>

General information on domestic gas safety is available at:

<http://www.hse.gov.uk/gas/domestic/index.htm>

Statistics on HSE prosecutions by legislation (including gas safety) are available at:

<http://www.hse.gov.uk/statistics/tables/index.htm>

**Comment by CO-Gas Safety:** Please note that although RIDDOR imposes a duty to notify HSE, it seems that HSE is under no specific duty to investigate. HSE always investigates if there is a fatality but, in our experience, does not usually investigate a mere incident or injury, unless extremely serious.