

Reference Number: FOI2021/371
From: Commercial
Date: 09 November 2021
Subject: Use of prefilled syringes, medicines wastage, medication errors and adverse drug events

I would like to obtain specific information regarding medicines wastage, medication errors and adverse drug events within Liverpool Heart And Chest Hospital NHS Foundation Trust. I would also like to obtain information on the uptake of prefilled syringes within an Intensive Care Unit setting, including the specific medicines used in prefilled syringes.

Q1 We are interested in receiving the following information for each year in the period from 2018 to 2021 (please include total and year-by-year breakdown):

- a) The value of medicines wastage every year in Liverpool Heart And Chest Hospital NHS Foundation Trust in £.

A1 2018 - £15,283.17
2019 - £15,811.75
2020 - £8,359.07

Total over 3 years = £39,453.99

Q2 We are interested in receiving the following information for each year in the period from 2018 to 2021 (please include total and year-by-year breakdown):

- a) The number of medicines in prefilled syringes procured for usage in the following departments within Liverpool Heart And Chest Hospital NHS Foundation Trust:
 - a. Intensive Care Units;
 - b. Accident & Emergency departments;
 - c. Operating rooms.
- b) The names of the specific medicines which are procured in prefilled syringes for usage in the following departments within Liverpool Heart And Chest Hospital NHS Foundation Trust:
 - a. Intensive Care Units;
 - b. Accident & Emergency departments;
 - c. Operating rooms.

A2 Please see attached spreadsheet [FOI2021371](#)

Information not held for Q2a;b and Q2b;b - Liverpool Heart and Chest Hospital is a specialist adult cardiothoracic centre and does not have an Accident and Emergency Department.

Q3 We are interested in receiving the following information for each year in the period from 2018 to 2021 (please include total and year-by-year breakdown):

- a) The number of recorded cases of medication errors and adverse drug events resulting from the medication preparation of drugs prepared from vials and ampoules within Liverpool Heart And Chest Hospital NHS Foundation Trust.

- b) The number of recorded cases of medication errors and adverse drug events where a prefilled syringe was used within Liverpool Heart And Chest Hospital NHS Foundation Trust.

A3 Information not held – the Trust does not routinely collate or hold this information centrally as part of its management or performance data.

ITU

Item / Section	2018	2019	2020	TOTAL
ADRENALINE 1/10,000 (1mg/10mL) SYRINGE (10)	153	146	116	415
ATROPINE 1mg/5mL SYRINGE (10)	18	29	29	76
ATROPINE 3mg/10mL SYRINGE (10 syringe)	8	9	53	70
AMIODARONE 300mg/10mL SYRINGE (1 pack)	19	14	22	55
CALCIUM CHLORIDE 10% SYRINGE (10mL)	20	33	11	64
DALTEPARIN 2,500units/0.2mL SYRINGE (10)	0	0	70	70
DALTEPARIN 5,000units/0.2mL SYRINGES (10)	10	0	930	940
ENOXAPARIN 120mg (12,000units)/0.8mL SYRINGE	445	770	810	2025
ENOXAPARIN 150mg (15,000units)/1mL SYRINGE (10)	20	0	72	92
ENOXAPARIN 20mg (2,000units)/0.2mL SYRINGE (10)	520	240	130	890
ENOXAPARIN 40mg (4,000units)/0.4mL SYRINGE (10)	1150	410	940	2500

POCCU

Item / Section	2018	2019	2020	TOTAL
AMIODARONE 300mg/10mL SYRINGE (1 pack)	27	38	19	84
ADRENALINE 1/10,000 (1mg/10mL) SYRINGE (10)	136	136	122	394
ATROPINE 1mg/5mL SYRINGE (10)	25	7	33	65
ATROPINE 3mg/10mL SYRINGE (10 syringe)	27	16	18	61
CALCIUM CHLORIDE 10% SYRINGE (10mL)	53	31	-5	79
DALTEPARIN 2,500units/0.2mL SYRINGE (10)	0	0	100	100
DALTEPARIN 5,000units/0.2mL SYRINGES (10)	0	0	1262	1262
ENOXAPARIN 120mg (12,000units)/0.8mL SYRINGE	30	16	263	309
ENOXAPARIN 150mg (15,000units)/1mL SYRINGE (10)	30	40	160	230
ENOXAPARIN 20mg (2,000units)/0.2mL SYRINGE (10)	400	120	130	650
ENOXAPARIN 40mg (4,000units)/0.4mL SYRINGE (10)	1950	710	807	3467

THEATRE

Item / Section	2018	2019	2020	TOTAL
ADRENALINE 1/10,000 (1mg/10mL) SYRINGE (10)	93	42	117	252
AMIODARONE 300mg/10mL SYRINGE (1 pack)	5	1	7	13
ATROPINE 1mg/5mL SYRINGE (10)	6	2	4	12
ATROPINE 3mg/10mL SYRINGE (10 syringe)	3	7	8	18
CALCIUM CHLORIDE 10% SYRINGE (10mL)	0	3	-11	-8