

Ref. No: 368101121  
From: Commercial  
Date: 10/11/21  
Subject: Medicines wastage, medication errors and adverse drug events

## REQUEST

I would like to obtain specific information regarding medicines wastage, medication errors and adverse drug events within St Helens and Knowsley Hospitals NHS 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.

1. 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 St Helens and Knowsley Hospitals NHS Trust in £.
  
2. 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 St Helens and Knowsley Hospitals NHS Trust:
    - Intensive Care Units;
    - Accident & Emergency departments;
    - Operating rooms.
  - b) The names of the specific medicines which are procured in prefilled syringes for usage in the following departments within St Helens and Knowsley Hospitals NHS Trust:
    - Intensive Care Units;
    - Accident & Emergency departments;
    - Operating rooms.
  
3. 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 St Helens and Knowsley Hospitals NHS Trust.

- b) The number of recorded cases of medication errors and adverse drug events where a prefilled syringe was used within St Helens and Knowsley Hospitals NHS Trust.

## RESPONSE

1. 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):

- b) The value of medicines wastage every year in St Helens and Knowsley Hospitals NHS Trust in £.

FY 2017-18	FY2018-19	FY2019-20	FY2020-21
£100886	£48932	£65973	£32220

2. 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 St Helens and Knowsley Hospitals NHS Trust:

- Intensive Care Units;
- Accident & Emergency departments;
- Operating rooms.

Group	FY 2017-18	FY2018-19	FY2019-20	FY2020-21
Accident & Emergency	38	38	43	38
Intensive Care	23	26	28	29
Theatres Whiston	8	9	7	15
Theatres St Helens	12	13	13	14

- b) The names of the specific medicines which are procured in prefilled syringes for usage in the following departments within St Helens and Knowsley Hospitals NHS Trust:

- Intensive Care Units;
- Accident & Emergency departments;
- Operating rooms.

### Intensive Care Units

FY 2017-18	FY2018-19	FY2019-20	FY2020-21
ADRENALINE 'EPIPEN' (1 in 1000) ADRENALINE [:ANAPHYLAXIS IM - with Needle] 1 ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml)	ADRENALINE 'JEXT' (1 in 1000) ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE APIDRA INSULIN GLULISINE (SOLOSTAR)	ADRENALINE 'EPIPEN' (1 in 1000) ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE APIDRA INSULIN GLULISINE (SOLOSTAR)	ADRENALINE 'EPIPEN' (1 in 1000) ADRENALINE 'JEXT' (1 in 1000) ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE

<p>AMIODARONE  APIDRA INSULIN  GLULISINE (SOLOSTAR)  CALCIUM CHLORIDE  [:MIN-I-JET]  DALTEPARIN SODIUM  ENOXAPARIN SODIUM  'CLEXANE'  EPHEDRINE [:PFS]  FILGRASTIM (G-CSF)  'ZARZIO'  FONDAPARINUX  SODIUM  HUMALOG INSULIN  LISPRO (KWIKPEN)  HUMALOG MIX25  INSULIN (KWIKPEN)  INSUMAN BASAL  INSULIN (SOLOSTAR)  LANTUS INSULIN  GLARGINE (SOLOSTAR)  LEVEMIR INSULIN  DETEMIR (FLEXPEN)  LIRAGLUTIDE  METHOTREXATE  'METOJECT'  NOVOMIX 30 INSULIN  (FLEXPEN)  NOVORAPID INSULIN  ASPART (FLEXPEN)  OCTREOTIDE  TOUJEO INSULIN  GLARGINE (SOLOSTAR)  TRESIBA INSULIN  DEGLUDEC  (FLEXTOUCH)</p>	<p>CALCIUM CHLORIDE  [:MIN-I-JET]  DARBEPOETIN ALFA  DARBEPOETIN ALFA  'SURECLICK'  ENOXAPARIN SODIUM  'CLEXANE'  ENOXAPARIN SODIUM  'INHIXA'  EPHEDRINE [:PFS]  FILGRASTIM (G-CSF)  'ZARZIO'  FONDAPARINUX  SODIUM  HUMALOG INSULIN  LISPRO (KWIKPEN)  HUMALOG MIX25  INSULIN (KWIKPEN)  INSULATARD HUMAN  INSULIN (INNOLET)  INSUMAN BASAL  INSULIN (SOLOSTAR)  INSUMAN COMB 25  INSULIN (SOLOSTAR)  LANTUS INSULIN  GLARGINE (SOLOSTAR)  LEVEMIR INSULIN  DETEMIR (FLEXPEN)  LIRAGLUTIDE  MIDAZOLAM  'BUCCOLAM'  MORPHINE SULFATE  NOVOMIX 30 INSULIN  (FLEXPEN)  NOVORAPID INSULIN  ASPART (FLEXPEN)  OCTREOTIDE  TOUJEO INSULIN  GLARGINE (SOLOSTAR)</p>	<p>CALCIUM CHLORIDE  [:MIN-I-JET]  CYCLOPHOSPHAMIDE  DARBEPOETIN ALFA  ENOXAPARIN SODIUM  'CLEXANE'  ENOXAPARIN SODIUM  'INHIXA'  EPHEDRINE [:PFS]  FILGRASTIM (G-CSF)  'ZARZIO'  FONDAPARINUX  SODIUM  HEPATITIS B 'ENGERIX  B'  HUMALOG INSULIN  LISPRO (KWIKPEN)  HUMALOG MIX25  INSULIN (KWIKPEN)  HUMALOG MIX25  INSULIN (KWIKPEN)  HUMULIN M3 INSULIN  (KWIKPEN)  INSULATARD HUMAN  INSULIN (INNOLET)  LANTUS INSULIN  GLARGINE (SOLOSTAR)  LEVEMIR INSULIN  DETEMIR (FLEXPEN)  LIRAGLUTIDE  METHOTREXATE  'METOJECT'  MIDAZOLAM  'BUCCOLAM'  MORPHINE SULFATE  NOVOMIX 30 INSULIN  (FLEXPEN)  NOVORAPID INSULIN  ASPART (FLEXPEN)  OCTREOTIDE  REVAXIS (Td/IPV)  TOUJEO INSULIN  GLARGINE (SOLOSTAR)</p>	<p>APIDRA INSULIN  GLULISINE (SOLOSTAR)  CALCIUM CHLORIDE  [:MIN-I-JET]  ENOXAPARIN SODIUM  'CLEXANE'  ENOXAPARIN SODIUM  'INHIXA'  EPHEDRINE [:PFS]  EPOETIN ZETA  'RETACRIT'  FONDAPARINUX  SODIUM  HUMALOG INSULIN  LISPRO (KWIKPEN)  HUMALOG MIX25  INSULIN (KWIKPEN)  INSUMAN BASAL  INSULIN (SOLOSTAR)  LANTUS INSULIN  GLARGINE (SOLOSTAR)  LEVEMIR INSULIN  DETEMIR (FLEXPEN)  LIRAGLUTIDE  METHOTREXATE  'METOJECT'  MIDAZOLAM PREFILLED  SYRINGE  MORPHINE SULFATE  NORADRENALINE  (8mg/50ml) [: PREFILLED  SYRINGE  NOVOMIX 30 INSULIN  (FLEXPEN)  NOVORAPID INSULIN  ASPART (FLEXPEN)  OCTREOTIDE  REVAXIS (Td/IPV)  SEMAGLUTIDE  SOMATROPIN  'GENOTROPIN  MINIQUICK'  TOUJEO INSULIN  GLARGINE (SOLOSTAR)  TRESIBA INSULIN  DEGLUDEC  (FLEXTOUCH)</p>
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## Accident & Emergency

FY 2017-18	FY2018-19	FY2019-20	FY2020-21
<p>ADRENALINE 'EPIPEN  JNR' (1 in 2000)  ADRENALINE 'EPIPEN' (1  in 1000)  ADRENALINE  [:ANAPHYLAXIS IM - with  Needle] 1  ADRENALINE [:PFS] 1 in  10,000 (1mg in 10ml)  AMIODARONE  APIDRA INSULIN  GLULISINE (SOLOSTAR)  APOMORPHINE [:PEN]  APOMORPHINE [:PFS]  ATROPINE  ATROPINE SULPHATE  Prefilled Syringe  CALCIUM CHLORIDE  [:MIN-I-JET]  CYCLOPHOSPHAMIDE  DARBEPOETIN ALFA  DARBEPOETIN ALFA</p>	<p>ADRENALINE 'EPIPEN JNR'  (1 in 2000)  ADRENALINE 'EPIPEN' (1 in  1000)  ADRENALINE 'JEXT' (1 in  1000)  ADRENALINE  [:ANAPHYLAXIS IM - with  Needle] 1  ADRENALINE [:PFS] 1 in  10,000 (1mg in 10ml)  AMIODARONE  APIDRA INSULIN  GLULISINE (SOLOSTAR)  APOMORPHINE [:PFS]  ATROPINE  ATROPINE SULPHATE  Prefilled Syringe  CALCIUM CHLORIDE [:MIN-  I-JET]  CYCLOPHOSPHAMIDE  DARBEPOETIN ALFA</p>	<p>ADRENALINE 'EMERADE'  (1 in 1000)  ADRENALINE 'EPIPEN  JNR' (1 in 2000)  ADRENALINE 'EPIPEN'  (1 in 1000)  ADRENALINE 'JEXT' (1 in  1000)  ADRENALINE  [:ANAPHYLAXIS IM - with  Needle] 1  ADRENALINE [:PFS] 1 in  10,000 (1mg in 10ml)  AMIODARONE  APIDRA INSULIN  GLULISINE (SOLOSTAR)  APOMORPHINE [:PFS]  ATROPINE  CALCIUM CHLORIDE  [:MIN-I-JET]  CYCLOPHOSPHAMIDE  DALTEPARIN SODIUM</p>	<p>ADALIMUMAB  "AMGEVITA"  ADRENALINE 'EPIPEN  JNR' (1 in 2000)  ADRENALINE 'EPIPEN'  (1 in 1000)  ADRENALINE 'JEXT' (1  in 1000)  ADRENALINE  [:ANAPHYLAXIS IM -  with Needle] 1  ADRENALINE [:PFS] 1  in 10,000 (1mg in 10ml)  AMIODARONE  APIDRA INSULIN  GLULISINE  (SOLOSTAR)  APOMORPHINE [:PFS]  ATROPINE SULPHATE  Prefilled Syringe  CALCIUM CHLORIDE  [:MIN-I-JET]</p>

(SYRINGE) ENOXAPARIN SODIUM 'CLEXANE' ENOXAPARIN SODIUM 'INHIXA' EXENATIDE FILGRASTIM (G-CSF) 'ZARZIO' FONDAPARINUX SODIUM GOLIMUMAB HEPATITIS A & B 'TWINRIX ADULT' HEPATITIS B 'ENGERIX B' HUMALOG INSULIN LISPRO (KWIKPEN) HUMALOG MIX25 INSULIN (KWIKPEN) HUMULIN I INSULIN (KWIKPEN) HUMULIN M3 INSULIN (KWIKPEN) INSUMAN COMB 25 INSULIN (SOLOSTAR) LANTUS INSULIN GLARGINE (SOLOSTAR) LEVEMIR INSULIN DETEMIR (FLEXPEN) LIRAGLUTIDE METHOTREXATE 'METOJECT' MIDAZOLAM 'BUCCOLAM' NOVOMIX 30 INSULIN (FLEXPEN) NOVORAPID INSULIN ASPART (FLEXPEN) PALIPERIDONE REVAXIS (Td/IPV) SUMATRIPTAN (Treatment Pack) TOUJEO INSULIN GLARGINE (SOLOSTAR)	ENOXAPARIN SODIUM 'CLEXANE' ENOXAPARIN SODIUM 'INHIXA' FONDAPARINUX SODIUM HEPATITIS A & B 'TWINRIX ADULT' HEPATITIS B 'ENGERIX B' HEPATITIS B 'HBvaxPRO' HUMALOG INSULIN LISPRO (KWIKPEN) HUMALOG MIX25 INSULIN (KWIKPEN) HUMALOG MIX50 INSULIN (KWIKPEN) HUMULIN I INSULIN (KWIKPEN) HUMULIN M3 INSULIN (KWIKPEN) INSUMAN BASAL INSULIN (SOLOSTAR) INSUMAN COMB 25 INSULIN (SOLOSTAR) LANTUS INSULIN GLARGINE (SOLOSTAR) LEVEMIR INSULIN DETEMIR (FLEXPEN) LIRAGLUTIDE METHOTREXATE 'METOJECT' MIDAZOLAM 'BUCCOLAM' NOVOMIX 30 INSULIN (FLEXPEN) NOVORAPID INSULIN ASPART (FLEXPEN) PNEUMOCOCCAL CONJUGATED VACCINE 'PREVENAR 13' REVAXIS (Td/IPV) SUMATRIPTAN (Treatment Pack) TOUJEO INSULIN GLARGINE (SOLOSTAR) TRESIBA INSULIN DEGLUDEC (FLEXTOUCH)	DARBEPOETIN ALFA 'SURECLICK' DENOSUMAB DULAGLUTIDE ENOXAPARIN SODIUM 'CLEXANE' ENOXAPARIN SODIUM 'INHIXA' EPOETIN ALFA 'EPREX' EXENATIDE FONDAPARINUX SODIUM HEPATITIS A & B 'TWINRIX ADULT' HEPATITIS B 'ENGERIX B' HUMALOG INSULIN LISPRO (KWIKPEN) HUMALOG MIX25 INSULIN (KWIKPEN) HUMALOG MIX50 INSULIN (KWIKPEN) HUMULIN I INSULIN (KWIKPEN) INFANRIX HEXA INSUMAN BASAL INSULIN (SOLOSTAR) LANTUS INSULIN GLARGINE (SOLOSTAR) LEVEMIR INSULIN DETEMIR (FLEXPEN) LIRAGLUTIDE METHOTREXATE 'METOJECT' MIDAZOLAM 'BUCCOLAM' NOVOMIX 30 INSULIN (FLEXPEN) NOVORAPID INSULIN ASPART (FLEXPEN) RANIBIZUMAB REVAXIS (Td/IPV) SUMATRIPTAN (Treatment Pack) TOUJEO INSULIN GLARGINE (SOLOSTAR) TRESIBA INSULIN DEGLUDEC (FLEXTOUCH)	CYCLOPHOSPHAMIDE DARBEPOETIN ALFA ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS] FILGRASTIM (G-CSF) 'ZARZIO' FONDAPARINUX SODIUM HEPATITIS A & B 'TWINRIX ADULT' HEPATITIS B 'ENGERIX B' HUMALOG INSULIN LISPRO (KWIKPEN) HUMALOG MIX25 INSULIN (KWIKPEN) HUMULIN I INSULIN (KWIKPEN) HUMULIN M3 INSULIN (KWIKPEN) INSUMAN BASAL INSULIN (SOLOSTAR) INSUMAN COMB 25 INSULIN (SOLOSTAR) LANTUS INSULIN GLARGINE (SOLOSTAR) LEVEMIR INSULIN DETEMIR (FLEXPEN) LIRAGLUTIDE METHOTREXATE 'METOJECT' MIDAZOLAM 'BUCCOLAM' NOVOMIX 30 INSULIN (FLEXPEN) NOVORAPID INSULIN ASPART (FLEXPEN) PNEUMOCOCCAL CONJUGATED VACCINE 'PREVENAR 13' REVAXIS (Td/IPV) SOMATROPIN 'GENOTROPIN MINIQUICK' SUMATRIPTAN (Treatment Pack) TOUJEO INSULIN GLARGINE (SOLOSTAR) TRESIBA INSULIN DEGLUDEC (FLEXTOUCH)
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## Theatres Whiston

FY 2017-18	FY2018-19	FY2019-20	FY2020-21
ADRENALINE [:ANAPHYLAXIS IM - with Needle] 1 ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'CLEXANE' EPHEDRINE [:PFS] RANIBIZUMAB SODIUM HYALURONATE	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE ATROPINE SULPHATE Prefilled Syringe CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'CLEXANE' ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS] MORPHINE SULFATE SODIUM	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS] MORPHINE SULFATE SODIUM HYALURONATE 'VISCOSEAL'	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE APIDRA INSULIN GLULISINE (SOLOSTAR) ATROPINE SULPHATE Prefilled Syringe CALCIUM CHLORIDE [:MIN-I-JET] DULAGLUTIDE ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS] INSUMAN BASAL

'VISCOSEAL'	HYALURONATE 'VISCOSEAL'		INSULIN (SOLOSTAR) LIRAGLUTIDE METHOTREXATE 'METOJECT' MIDAZOLAM 'BUCCOLAM' MORPHINE SULFATE NOVOMIX 30 INSULIN (FLEXPEN) SODIUM HYALURONATE 'VISCOSEAL'
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### Theatres St Helens

FY 2017-18	FY2018-19	FY2019-20	FY2020-21
ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) ATROPINE CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'CLEXANE' EPHEDRINE [:PFS] HYDROXYPROPYLMET HYLCELLULOSE 'OCUCOAT' RANIBIZUMAB SODIUM HYALURONATE 'OSTENIL' SODIUM HYALURONATE 'VISCOSEAL' SODIUM HYALURONATE INTRAOCULAR 'HEALON GV' SODIUM HYALURONATE INTRAOCULAR 'HEALON PRO' VISCOAT (INTRAOCULAR)	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AMIODARONE ATROPINE CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'CLEXANE' EPHEDRINE [:PFS]  HYDROXYPROPYLMETH YLCELLULOSE 'OCUCOAT' MIDAZOLAM 'BUCCOLAM' SODIUM HYALURONATE 'OSTENIL' SODIUM HYALURONATE 'VISCOSEAL' SODIUM HYALURONATE INTRAOCULAR 'HEALON GV' [: SODIUM HYALURONATE INTRAOCULAR 'HEALON PRO' [ VISCOAT (INTRAOCULAR)	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) ATROPINE CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'CLEXANE' ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS]  HYDROXYPROPYLMETH YLCELLULOSE 'OCUCOAT' SODIUM HYALURONATE 'OSTENIL' SODIUM HYALURONATE 'VISCOSEAL' SODIUM HYALURONATE INTRAOCULAR 'HEALON GV PRO SODIUM HYALURONATE INTRAOCULAR 'HEALON GV' [: SODIUM HYALURONATE INTRAOCULAR 'HEALON PRO' [ SODIUM HYALURONATE INTRAOCULAR 'HEALON PRO' [ VISCOAT (INTRAOCULAR)	ADRENALINE [:PFS] 1 in 10,000 (1mg in 10ml) AFLIBERCEPT SOLUTION PREFILLED SYRINGE AMIODARONE ATROPINE SULPHATE Prefilled Syringe CALCIUM CHLORIDE [:MIN-I-JET] ENOXAPARIN SODIUM 'INHIXA' EPHEDRINE [:PFS]  HYDROXYPROPYLMETH YLCELLULOSE 'OCUCOAT' MORPHINE SULFATE RANIBIZUMAB SODIUM HYALURONATE 'OSTENIL' SODIUM HYALURONATE 'VISCOSEAL' SODIUM HYALURONATE INTRAOCULAR 'HEALON PRO' [ VISCOAT (INTRAOCULAR)

3. 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 St Helens and Knowsley Hospitals NHS Trust.
- b) The number of recorded cases of medication errors and adverse drug events where a prefilled syringe was used within St Helens and Knowsley Hospitals NHS Trust.

**Under section 12 of the Freedom of Information Act St Helens & Knowsley Teaching Hospitals Trust does not have to comply with**

**a request if we estimate that the cost of complying with your request would exceed the appropriate limit of £450. The appropriate limit has been specified in regulations. This represents the estimated cost of one person spending 2½ working days in answering the remainder of your questions. Under section 12 of the Freedom of Information Act the Department is not obliged to comply with your request and we will not be processing your request further.**