

We have adopted an operational control boundary. This means that we account for the carbon emissions from operations over which we have operational control.

		Tonnes CO2e	Source for data	Calculation
Grid Electricity	Scope 2	Imported Electricity Consumed	Grid electricity consumption (kWh)	Enter into Smart Carbon Purchased Electricity
	Scope 3	Exported to End-user	Grid Electricity (sold to third party) (kWh)	Enter into Smart Carbon under downstream leased assets
	Scope 3	T&D	Grid electricity consumption (kWh)	Multiplied by UK elec T&D carbon factor
	Scope 3	WTT (Generation)	Grid electricity consumption (kWh)	Multiplied by WTT UK Electricity Generation carbon factor
	Scope 3	WTT (T&D)	Grid electricity consumption (kWh)	Multiplied by WTT UK Electricity T&D carbon factor
			Grid Electricity Total	
Natural Gas	Scope 1	Consumed	Natural Gas consumption (kWh)	Enter into Smart Carbon under Natural Gas
	Scope 3	WTT - Natural Gas	Natural Gas consumption (kWh)	Multiplied by WTT Natural Gas carbon factor
		Natural Gas Total		
Gas Oil	Scope 1	Consumed for Emergency Generators	Gas oil consumption (kWh)	Enter into Smart Carbon under Gas Oil
	Scope 3	WTT - Gas Oil	Gas oil consumption (kWh)	Multiplied by WTT Gas Oil carbon factor
		Gas Oil Total		
Anaesthetic Gases	Scope 1	DESFLURANE	Desflurane Mass (kg)	Enter into Smart Carbon under Anaesthetic Gas
	Scope 1	ISOFLURANE	Isoflurane Mass (kg)	
	Scope 1	SEVOFLURANE	Sevoflurane Mass (kg)	
	Scope 1	Nitrous Oxide	Nitrous Oxide Mass (kg)	
	Scope 1	Entonox	Entonox Mass (kg)	
		Anaesthetic Total		
Inhalers	Scope 3	Inhalers MDI and DPI	Data downloaded from Rx-info	Calculated within this platform

		Inhalers Total		
Transport	Scope 1	Trust Fleet Vehicles	Fuel card invoices Litres of fuel	Entered into Smart Carbon under Vehicles, by fuel type
	Scope 3	WTT-Trust Fleet Vehicles	Litres of fuel (from above source)	Multiplied by WTT carbon factor
	Scope 3	PTS	Mileage report provided by North East Ambulance Service	Multiply mileage by carbon factor
	Scope 3	PTS - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Air Travel	Mileage report provided by Supplies Purchasing Manager	Entered into Smart Carbon under Scope 3, Business Travel
	Scope 3	Air Travel WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Rail Travel	Mileage report provided by Supplies Purchasing Manager	Entered into Smart Carbon under Scope 3, Business Travel
	Scope 3	Rail Travel WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Taxi	Mileage reports from Atom nuth-vws32:3737/AdminPages/login-admin.aspx	Entered into Smart Carbon under Scope 3, Business Travel, Regular Taxi
	Scope 3	Taxi - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Patient Visitor Travel	Total patient contacts provided by Information Management	Use average travel distance of 9.4 miles (15km) and 3.7 journeys per patient contact multiplied by carbon factor for average car, unknown fuel
	Scope 3	Patient Visitor Travel - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Staff Commute	Staff travel survey (percentage of staff travelling by mode, applied to total staff number)	Enter mileage by mode into Smart Carbon 'Employee Commuting'
	Scope 3	Staff Commute - WTT	Data from above source	Multiplied by WTT carbon factor
Scope 3	Grey Fleet	Mileage reports provided by NHS payroll services	Entered into Smart Carbon under Scope 3, Business Travel,	

	Scope 3	Grey Fleet - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Business Lease	Mileage reports provided by NHS payroll services	Entered into Smart Carbon under Scope 3, Business Travel,
	Scope 3	Business Lease - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Courier	Mileage reports from Atom nuth-vws32:3737/AdminPages/login-admin.aspx	Entered into Smart Carbon under Scope 3, Business Travel, Van
	Scope 3	Courier - WTT	Data from above source	Multiplied by WTT carbon factor
	Scope 3	Hopper Bus	Mileage provided by Arriva	Entered into Smart Carbon under Scope 3, Business Travel, Local bus (not London)
	Scope 3	Hopper Bus - WTT	Data from above source	Multiplied by WTT carbon factor
		Transport Total		
Waste	Scope 3	Waste	Tonnes of waste by category	Calculated using BEIS Greenhouse Gas Reporting Conversion Factors and 'The carbon footprint of waste streams in a UK hospital', 2021, Chantelle Rizan, Mahmood F. Bhutta, Malcolm Reed, Rob Lillywhite (also available in the NHS waste carbon reduction tool).
Water	Scope 3	Water	Water consumption M3	Entered into Smart Carbon under Scope 3, Water
Procurement	Scope 3	Procurement - Medicines and chemicals	Explained below	
	Scope 3	Procurement - Medical equipment		
	Scope 3	Procurement - Supply chain		
		Procurement Total		
		Total Number of Patient Contacts	Information Services	
		GIA (m2)	Estates Performance Team	

Total E Class spend (£)	Finance Team	
Total WTE staff number	Workforce information	

Procurement

1. Use the finance figure (for non-pay spend) published in our Annual Accounts
2. Apply an estimated proportion eclass split to this total, based on the information provided by Finance Team – total non-pay spend by eclass category
3. Export the supplier reported data from SmartCarbon and subtract that spend from the spend info above (from the correct eclass category)
4. Multiply the remaining non-pay spend (by eclass category) by the inflation adjusted eclass factors¹, and total. This gives the Total tCO₂e from the spend based method
5. Combine these tCO₂e results with the suppliers directly report emissions via SmartCarbon. This gives the Total tCO₂e from the supply chain by combining the directly reported carbon emissions from supply chain where we have them, with the spend based methodology for the remainder.

¹ Inflation adjusted eclass factors using 2016 SDU factors, adjusted using <https://www.bankofengland.co.uk/monetary-policy/inflation/inflation-calculator>