**Worksheet 1 GP (Facilitator version) – Carbon Foot-printing for Healthcare**

# Activity: – Carbon foot-printing in healthcare

**Task**: **Using the table, and the equation and carbon emission factors below, try to work out the Carbon footprint of the following:**

* **200 insulin dependent diabetic patients with complications attend the GP 3 times a year.**
* **Over a year 75% of this cohort are referred to tertiary care outpatient appointment/per year for a diabetes complication.**
* **Over a year 20% of this cohort require an in-patient admission on a low intensity ward, with an average stay of 4 days.**
* **The average patient is driven to and from hospital, with an average journey of 6km.**

**Carbon footprint (kg CO2e) =** **Activity/resource use x GHG emissions factors**

**Emission Factors:**

GP appointment = 6kgCO2e/appointment

Acute sector appointment = 23kgCo2e/appointment

Inpatient bed day = 37.9kgCO2e/low intensity bed day

Car journey (6km) = 2.1kgCO2e/journey (based on a 6km journey = 0.347C02e/km)

Table: Carbon Foot-printing for Healthcare.

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| --- | --- | --- |
| **Activity/Resource use** | **Carbon Emissions Factor** | **Activity/Resource x Emissions factor (kgCO2e)** |
| **GP Appointment** |  |  |
| **Acute Sector Appointments** |  |  |
| **Inpatient bed day** |  |  |
| **Travel (car)** |  |  |
|  | Total carbon footprint (kgCO2e): |  |