**Workshop 4 (Students): - Asthma - Carbon foot-printing in healthcare**

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

* **200 patients attend the Emergency Department via Ambulance 4 times a year**
* **200 patients being admitted to hospital for 4 days, 4 times a year**
* **160 patients receiving 1 new Ventolin inhaler 4 times a year.**
* **200 patients discharged home via taxi****4 times a year**

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

**Emission Factors:**

Ambulance Journey = 36.1kg/C02e/single trip

Emergency department visit = 13.8kgCO2e/per visit

Inpatient bed day = 37.9kgCO2e/bed day

Ventolin Inhaler = 24kgC02e/inhaler

Taxi journey home = 1.1kgCO2e/journey (based on a 6km journey = 0.185kgCo2e/km)

Table: Carbon foot-printing for Healthcare .

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| --- | --- | --- |
| **Activity/Resource use** | **Carbon Emissions Factor** | **Activity/Resource x Emissions factor (kgCO2e)** |
| **Ambulance journey** |  |  |
| **ED visit** |  |  |
| **Inpatient bed day** |  |  |
| **Ventolin inhaler** |  |  |
| **Travel home (taxi)** |  |  |
|  | Total carbon footprint (kgCO2e): |  |