

Assess the Carbon Footprint of Your Nephrology Service

#GreenNephrology



THE CHALLENGE

Treatment of kidney failure, specifically via dialysis' high energy, water, and single-use plastic consumption, has among the highest ecologic footprint across the spectrum of clinical care.

4 ACTIONS TO ASSESS THE FOOTPRINT OF YOUR UNIT

1



Identify the sources of carbon emissions

- Electricity source - heating and cooling
- Transportation of staff/patients
 - Use of medical equipment
 - Waste management



2

Collect relevant data on energy consumption

Collect data on:

- Electricity consumption
 - Natural gas
 - Fuel oil use



3

Calculate carbon emissions

Use emission conversion factors to calculate carbon emissions, for example for transportation of patients:

$$= \frac{\text{distance travelled} \times \text{vehicle emission factors}}{\text{passengers}}$$



4

Monitor and track emissions

- Identify areas to reduce emissions
- Track evolution over time impact of changes
- Compare with other units

