

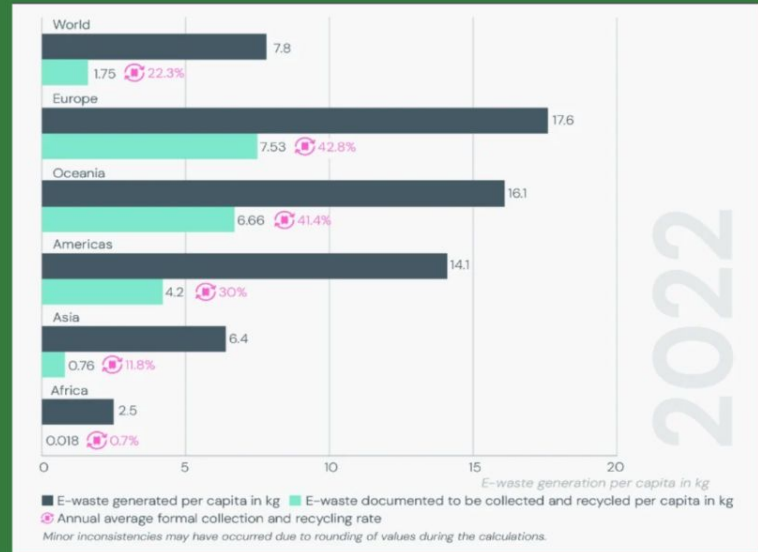


E-WASTE COLLECTION DRIVES

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THE PROBLEM

- Most people keep electronic waste at home or throw them in the trash instead of recycling them
- Many find recycling inconvenient or don't know where to go
- Only about 22.3 % of the world's e-waste was formally recycled in 2022



THE SOLUTION

- Bi-weekly collection drives held at an after school program for high school students
- Survey given to about 100 high school students to address behaviors toward recycling e-waste
- Goals include increasing student awareness and improving convenience for recycling



THE PROCESS

- A survey was distributed to 100 students (ages 14-18) to assess baseline awareness
- Labeled bins were placed in accessible indoor areas; flyers and announcements promoted the events.
- Items were categorized, counted, and weighed using a digital scale (0.1kg)
- A follow up survey measured changes in awareness and willingness to recycle

Independent Variable:

Implementation of semi-regular (bi-weekly) E-waste collection drives.

Dependent Variables: Quantitative data included the total weight (kg) and quantity of E-waste collected. The qualitative data was a survey-based measures of participants awareness, perceived convenience, and motivation to recycle.

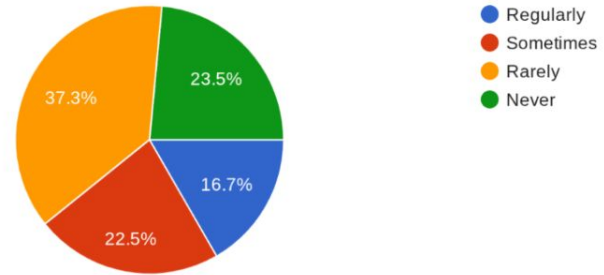
THE CURRENT/FUTURE IMPACT

Current impact

- Increases awareness about the importance of proper E-waste disposal
- Encourages more people to participate in collection drives
- Helps identify barriers like inconvenience or lack of knowledge
- Provides data on how attitudes change after interventions
- Promotes more responsible environmental behavior in the short term

How often do you currently recycle or properly dispose of your old electronics?

102 responses



Future impact

- Supports the development of more accessible recycling programs
- Contributes to long-term reduction of environmental pollution
- Helps design more effective environmental education campaigns