



MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE

MEDICAL WASTE BULLETIN, 2023

Within the scope of by-law on Waste Management, annually waste declarations are notified by waste generators via Waste Management Application- Waste Declaration System which is under the Environment Information System of the Ministry of Environment, Urbanization and Climate Change.

Data of medical waste that located in Waste Management Application- Waste Declaration System has comprise of waste producer's declarations.

2023 medical waste data consists of waste declaration data, transported to waste treatment facilities for sterilization and disposal.

In 2023, 17.113 facility made medical waste declaration in Turkey, As a result of these declarations 130.882 tonnes of medical waste was notified in Turkey.

1. The Amount of Medical Waste

Year	2017	2018	2019	2020	2021	2022	2023
Amount	98.729	107.400	109.478	125.566	135.869	130.401	130.882

Table 1. Amount of Medical Waste (Tonnes)

In Turkey, 130.882 tonnes of medical waste was disposed in sterilization and incineration facilities in 2023.



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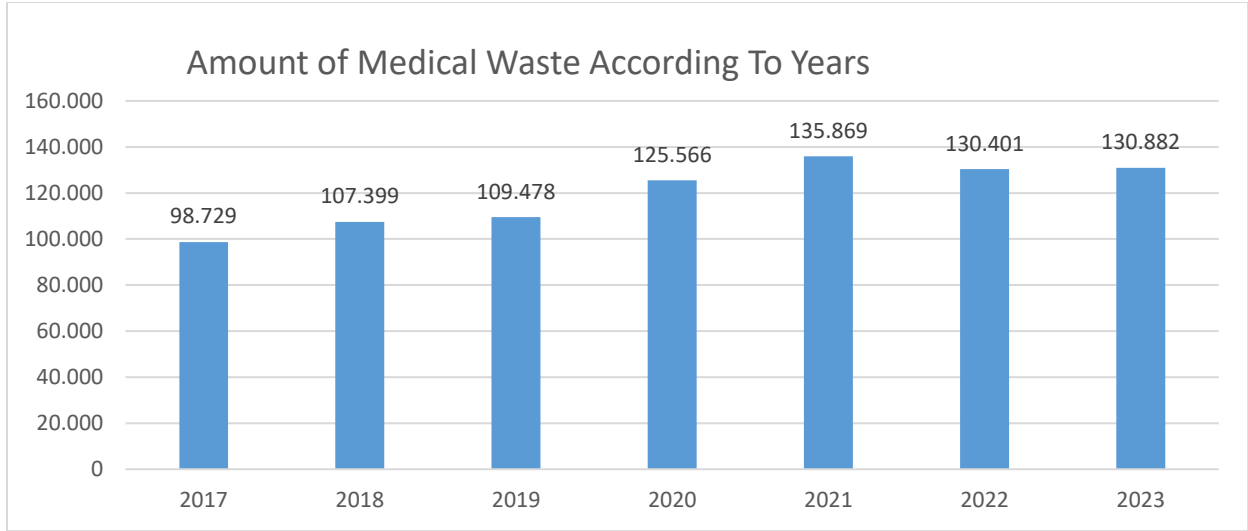


Chart 1. Amount Of Medical Waste (Tonnes)

2. Number of Declaration

	2017	2018	2019	2020	2021	2022	2023
Number of facility that made medical waste declaration	14.325	15.612	16.076	16.387	17.935	17.624	17.113

Table 2. Number of facility that made medical waste declaration

In 2023, 17.113 facility made medical waste declaration in Turkey.



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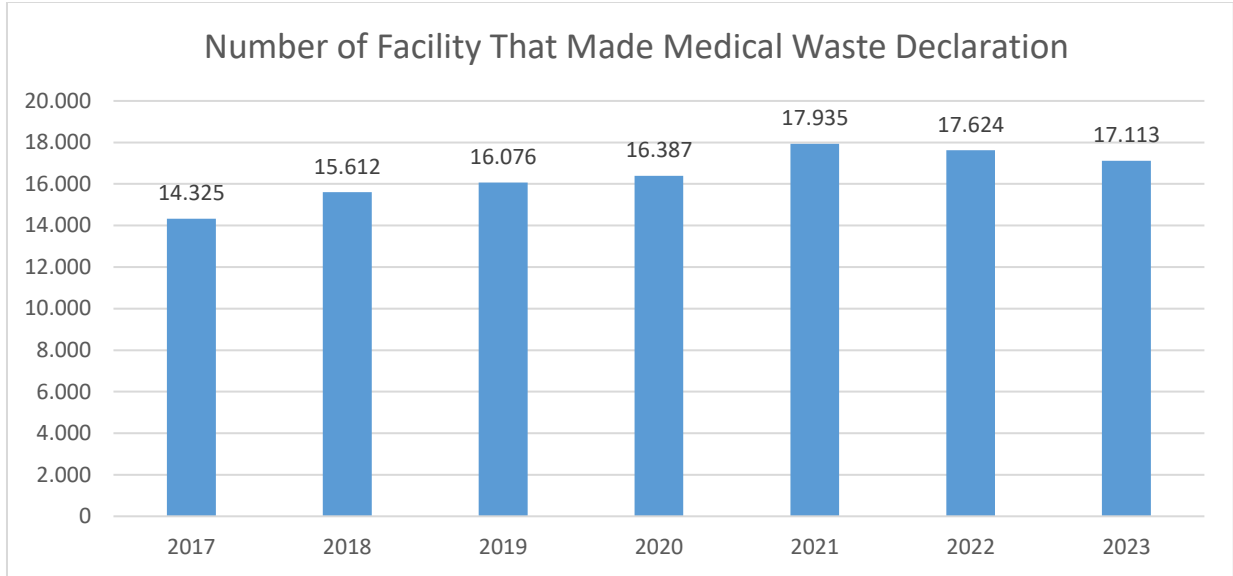


Chart 2. Number of facility that made medical waste declaration

3. Amount of Medical Waste According to Treatment Method

Year	Sterilization	Incineration	Total (Tonnes)
2023	112.399	18.482	130.882

Table 3. Amount of Medical Waste According to Disposal Method

Total amount of medical waste in 2023, 86% of medical waste was disposed of in landfill facilities after sterilization and 14% was disposed of in incineration facility.

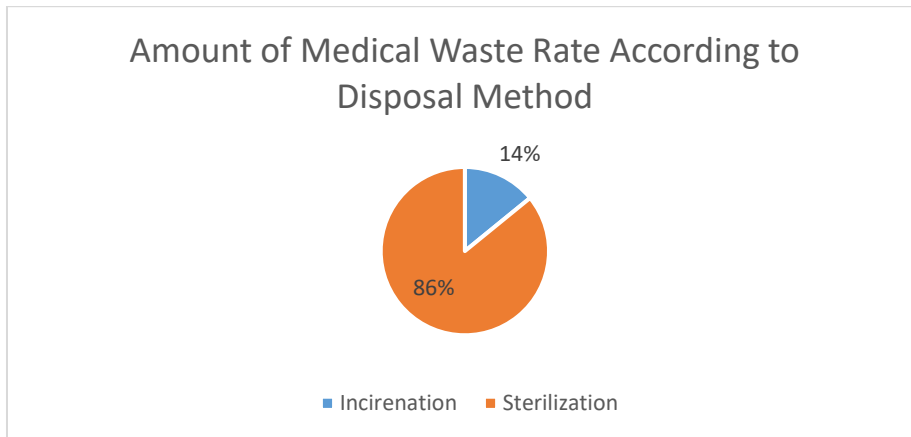


Chart 3. Amount of Medical Waste According to Disposal Method



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4. Amount Of Medical Waste by Provinces, 2023

PROVINCE	AMOUNT OF WASTE (TONNES)
ADANA	4.088
ADYAMAN	625
AFYONKARAHİSAR	526
AĞRI	321
AKSARAY	377
AMASYA	391
ANKARA	11.482
ANTALYA	3.779
ARDAHAN	12
ARTVİN	133
AYDIN	1.395
BALIKESİR	1.144
BARTIN	280
BATMAN	862
BAYBURT	79
BİLECİK	228
BİNGÖL	235
BİTLİS	326
BOLU	551
BURDUR	252
BURSA	4.524
ÇANAKKALE	839
ÇANKIRI	173
ÇORUM	625
DENİZLİ	1.940
DİYARBAKIR	2.580

	AMOUNT OF WASTE (TONNES)
İZMİR	8.231
KAHRAMANMARAŞ	787
KARABÜK	455
KARAMAN	287
KARS	254
KASTAMONU	396
KAYSERİ	1.994
KIRIKKALE	403
KIRKLARELİ	556
KİRŞEHİR	245
KİLİS	247
KOCAELİ	3.101
KONYA	3.186
KÜTAHYA	507
MALATYA	650
MANİSA	1.923
MARDİN	646
MERSİN	3.372
MUĞLA	1.348
MUŞ	275
NEVŞEHİR	268
NİĞDE	314
ORDU	957
OSMANİYE	436
RİZE	519
SAKARYA	1.475



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DÜZCE	726	SAMSUN	2.235
EDİRNE	1.017	ŞİİRT	225
ELAZIĞ	1.053	SİNOP	372
ERZİNCAN	325	SİVAS	1.019
ERZURUM	1.189	ŞANLIURFA	3.567
ESKİŞEHİR	1.532	ŞIRNAK	277
GAZİANTEP	2.399	TEKİRDAĞ	1.740
GİRESUN	712	TOKAT	627
GÜMÜŞHANE	114	TRABZON	1.514
HAKKARİ	155	TUNCELİ	66
HATAY	1.020	UŞAK	383
IĞDIR	162	VAN	1.148
ISPARTA	968	YALOVA	346
İSTANBUL	34.065	YOZGAT	442
		ZONGULDAK	885
General Total = 130.882 tonnes			

Table 4. Amount of Medical Waste by Province, 2023