

Disaster Related Statistics

Review of DRSF tables C2 and C3 for Türkiye

21st Meeting of Technical Working Group (TWG) on Disaster-related Statistics

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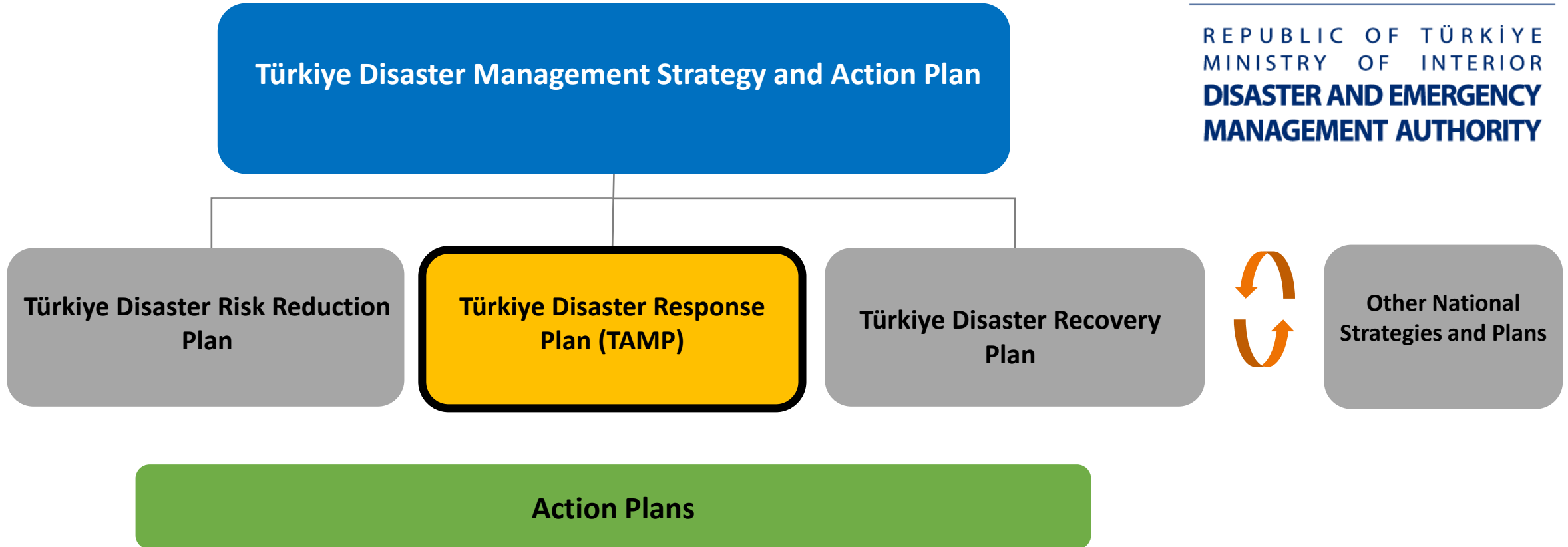
Content

- National Disaster Management in Türkiye
- Disaster Management and Decision Support System (AYDES)
- Responsibility of institutions under TAMP and mapping with DRSF tables
- Address Based Population Registration System (ABPRS)
- Civil Registration and Vital Statistics data (Death Certificate)
- Challenges in DRSF Tables C2 & C3

National Disaster Management



REPUBLIC OF TÜRKİYE
MINISTRY OF INTERIOR
**DISASTER AND EMERGENCY
MANAGEMENT AUTHORITY**



Disaster Management and Decision Support System (AYDES)

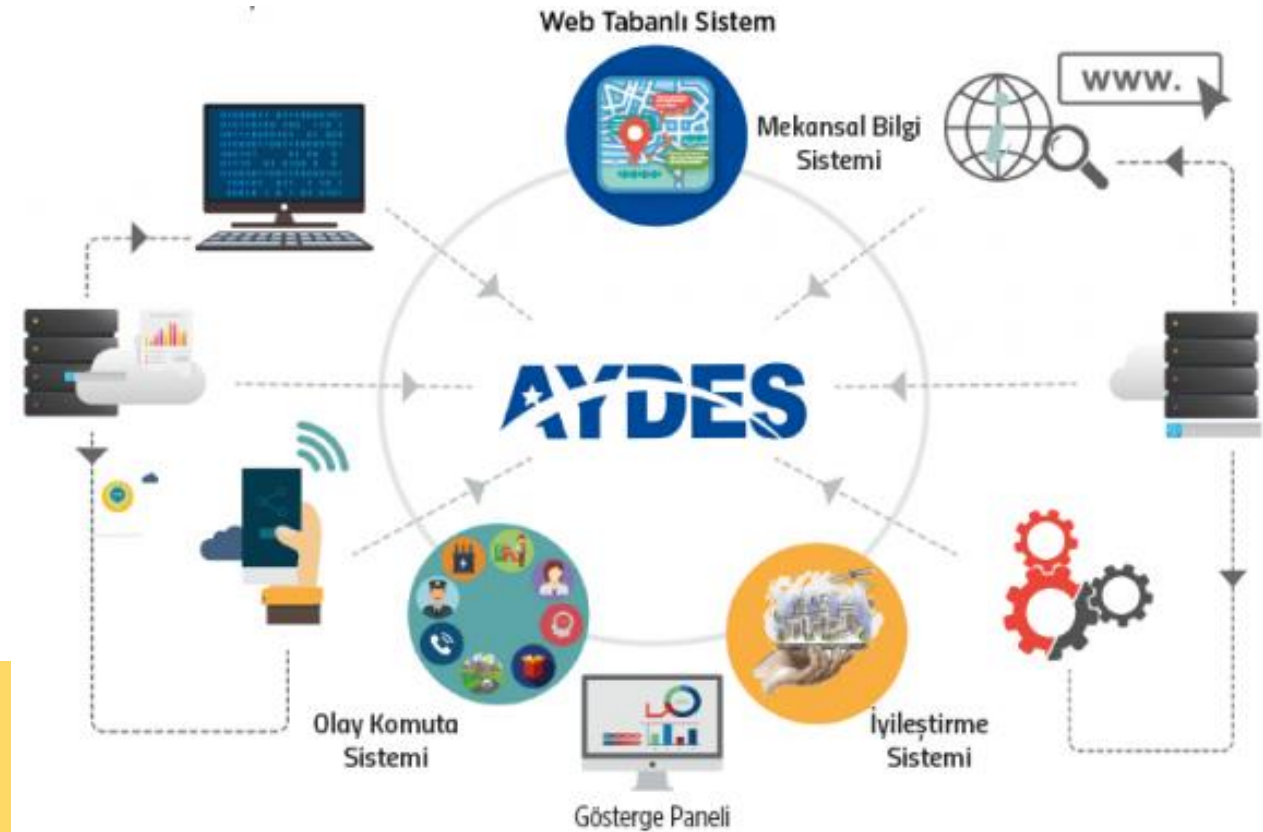
AYDES is a web-based application built on Geographical Information Systems, which can effectively manage all resources in disaster and emergency situations and has decision support mechanisms.

AYDES, which is also the **information infrastructure** of the **Türkiye Disaster Response Plan (TAMP)**, basically consists of 3 components.

- Incident Command System
- Spatial Information System
- Recovery System

Important:

All the information and data is entered into AYDES during and after a disaster in accordance with the TAMP.



Responsibility of Institutions under TAMP and the link with DRSF

Institution	Responsibility	Impact	Physical/ Monetary	Statistics	DRSF Table
AFAD (NDMA)	Disaster information management, assessment and monitoring				
	Search and Rescue				
	Sheltering	Human impact	Physical	Nr.of displaced	Table C1-C2
Ministry of Family and Social Services	Psychosocial support				
	In-kind donation, warehouse management and distribution	Human impact	Physical	Nr.of people receiving aid	Table C1-C2
Ministry of Environment, Urbanization and Climate Change	Infrastructure (water, sewage and treatment plant, etc.)	Direct material impact	Physical		Table D1-D2
	Debris removal				
	Damage assessment (physical)	Human impact	Physical	Nr. of people whose houses were damaged	Table C1-C2-D1-D2
	Identification and Burial	Human impact	Physical	Nr.of deaths	Table C1-C2-C3
	Fire				
Ministry of Energy and Natural Resources	Energy (repair of power lines like electricity, gas etc.)	Direct material impact	Physical		Table D1-D2
Ministry of Treasury and Finance	Damage assessment (monetary)	Direct material impact	Monetary		Table E1-F1-DRRE

Responsibility of Institutions under TAMP and the link with DRSF

Institution	Responsibility	Impact	Physical/ Monetary	Statistics	DRSF Table
Ministry of Interior	Evacuation and Resettlement	Human impact	Physical	Nr. of people evacuated or receiving aid	Table C1-C2-C3
	Traffic and Security				
Ministry of Health	Health (meeting the needs of first medical intervention, public health and medical care)	Human impact	Physical	Nr.of deaths, injured or ill	Table C1-C2-C3
Ministry of Agriculture and Forestry	Agriculture, Forest, Food, Water and Livestock (determine the damage of the affected agricultural areas, to ensure food safety and to carry out the necessary studies on the health of the dead, culled and affected animals, the supply of potable water, its transportation, and the drilling of sufficient water wells)	Material impact to Agriculture	Physical		Table F1
The Turkish Red Crescent	Nutrition	Human impact	Physical	Nr. of people receiving aid	Table C1-C2-C3
Ministry of Transport and Infrastructure	Communication	Direct material impact	Physical		Table D1-D2
	Transport services (personnel, victims, resources etc.)				
	Transportation Infrastructure	Direct material impact	Physical		Table D1-D2

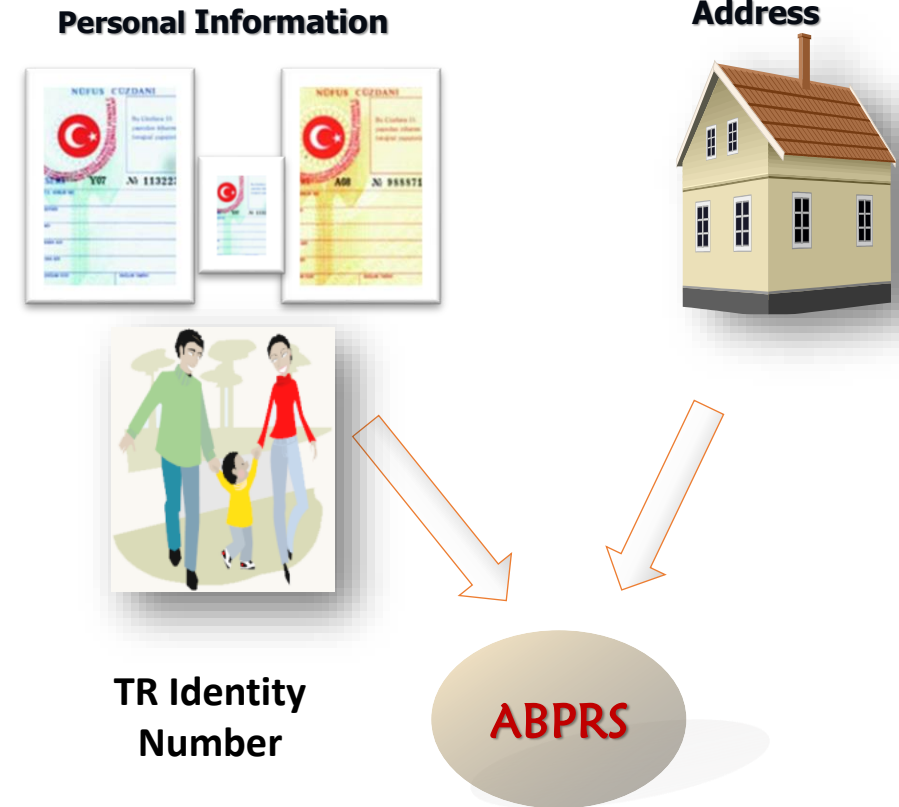
Address Based Population Registration System (ABPRS)

Covering information on usual residence of all people living in the country established in 2007.

Population results referring 31 December based on the new system are announced to the public every year in January.

Information provided on :

- Population by localities (province, district, sub-district and village)
- Age and sex,
- Internal migrations,
- Legal marital status,
- Place of registration,
- Educational status,
- Nationality of persons living in Türkiye (Turkish citizens and foreigners)



CRVS data- Death Certificate

International Death Certificate- Formula C

The **death certificate** provides information on the

- identity (TR identity number)
- nationality
- birth date (age)
- sex
- educational status,
- occupation
- residence address of the deceased
- type of death,
- cause of death (ICD-10 codes) etc.

issued in 3 copies for

- certificate of inheritance
- burial
- statistical purposes

ÖLÜM BELGESİ

S1 Form

İl	[] []	Belde ya da köy	[] []
İlçe	[] []	Kurum adı	[] [] [] []

A ÖLEN KİŞİNİN BİLGİLERİ Kimlik numarası [] [] [] [] [] [] [] [] [] [] <input type="checkbox"/> Kimlik numarası yok Uyruğu <input type="checkbox"/> TC <input type="checkbox"/> Diğer [] [] [] [] Adı ve soyadı	C Ölümün şekli <input type="checkbox"/> Doğal ölüm <input type="checkbox"/> Trafik kazası <input type="checkbox"/> Diğer <input type="checkbox"/> İntihar <input type="checkbox"/> İş kazası <input type="checkbox"/> Araştırma aşamasında <input type="checkbox"/> Cinayet <input type="checkbox"/> Diğer kazalar <input type="checkbox"/> Bilinmeyen
Baba adı	D Ölüm yaralanma sonucu mu gerçekleşti? <input type="checkbox"/> Evet <input type="checkbox"/> Hayır → Bölüm E'ye geçiniz İş yerinde yaralanma <input type="checkbox"/> Evet <input type="checkbox"/> Hayır Tarihi: [] [] [] [] [] [] [] [] [] [] Yaralanmanın yeri: <input type="checkbox"/> Evde <input type="checkbox"/> Spor alanı <input type="checkbox"/> Yatılı kuruluş <input type="checkbox"/> Cadde ve otayol <input type="checkbox"/> Kırılma alan (Çiftlik) <input type="checkbox"/> Ticaret ve hizmet alanı <input type="checkbox"/> Sanayi ve inş. yeri <input type="checkbox"/> Okul, diğer kur. ve idari yer <input type="checkbox"/> Diğer (Açıklayınız)
Doğum tarihi [] [] [] [] [] [] [] [] [] []	
Nüfusa kayıtlı olduğu ilçe*	E Otopsi yapıldı mı? <input type="checkbox"/> Evet <input type="checkbox"/> Hayır → Bölüm F'ye geçiniz Aşağıda belirtilen ölüm nedeni, otopsi bulgularından mı elde edildi? <input type="checkbox"/> Evet <input type="checkbox"/> Hayır → Bölüm F'ye geçiniz Daha sonra daha fazla bilgi elde edilebilir mi? <input type="checkbox"/> Evet <input type="checkbox"/> Hayır
Cilt no* [] [] [] [] Aile sıra no* [] [] [] [] Birey sıra no* [] [] [] []	
Cinsiyet <input type="checkbox"/> Erkek <input type="checkbox"/> Kadın	
Öğrenim durumu (bitirilen)	
Meslek	
Daimi ikametgah	
İl	
İlçe	
Belde ya da köy	
Yurtdışı	

B Ölüm tarihi [] [] [] [] [] [] [] [] [] [] Ölüm yeri <input type="checkbox"/> Ev <input type="checkbox"/> Hastane <input type="checkbox"/> İşyeri <input type="checkbox"/> Ambulans <input type="checkbox"/> Diğer taşıt <input type="checkbox"/> Diğer	
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Ölüm Belgesindeki, adı soyadı ve hüviyeti yazılı ölünün görülmüşüne izin verilmiştir. Belge mevcut bilgiler ışığında doldurulmuştur.
Doktor aynı zamanda F, G ve H kutularını doldurmakla sorumludur.

BİLGİYİ VEREN Adı ve Soyadı : Telefon : Yakınlık derecesi: İmza :	FORMU DOLDURAN HEKİM Adı ve Soyadı : Ünvanı: Tarih: İmza: Kaşe:
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KURUM
ONAYI

Challenges in DRSF Tables C2 & C3

- **Many institutions involving in the disaster response**

- coordination and collaboration
- scattered data
- misunderstanding and misuse of common definitions, concepts and terminology

- **Catastrophic disasters**

- hard to identify deaths or missing people
- hard to pick up dead bodies from the rubble
- hard to coordinate the disaster response activities

- **Major / Minor injuries**

- Hard to disaggregate data into major and minor
- ICD-10/11 codes?

		C3a3 - Urban/Rural population		TOTAL	C3a4 - Specific vulnerability groups		NO TOTAL	
		Urban	Rural		Disabled	Poor		
1 - Summary of Human Impacts								
		Human, affected population						
1,1	Deaths or missing							
1.1.1	Deaths	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1		
1.1.2	Missing	Sendai A-2	Sendai A-2	Sendai A-2	Sendai A-2	Sendai A-2		
1.1.3		Sendai A-3	Sendai A-3	Sendai A-3	Sendai A-3	Sendai A-3		
1,2	Injured or ill							
1.2.1	Major injuries	Sendai B-2	Sendai B-2	Sendai B-2	Sendai B-2	Sendai B-2		
1.2.2	Minor injuries							
1.2.3	Illnesses							
1,3	Displaced							
1.3.1	Permanent relocations due to destroyed dwelling	Sendai B-4	Sendai B-4	Sendai B-4	Sendai B-4	Sendai B-4		
1.3.2	Other Displaced							
1,4	Dwellings Damaged							
1.4.1	Number of people whose houses were damaged due to hazardous	Sendai B-3	Sendai B-3	Sendai B-3	Sendai B-3	Sendai B-3		

Challenges in DRSF Tables C2 & C3

- **Urban/Rural disaggregation**

- Urban/rural definition (dependent on administrative boundaries)
- DEGURBA
- Ongoing work on the urban/rural definition and data production

- **Definition of «Disabled»**

- International Classification of Functioning, Disability and Health (ICF)
- Health reports

- **Definition of «Poor»**

- International poverty line (WB's measure of 1 USD - 1.25 USD- 1.90 USD- 2.15 USD a day)
- National poverty line (relative poverty, 50% and 60% of the equivalised household disposable median income)
- Hard to define poor , which income level?

		C3a3 - Urban/Rural population		TOTAL	C3a4 - Specific vulnerability groups		NO TOTAL	
		Urban	Rural		Disabled	Poor		
1 - Summary of Human Impacts								
		Human, affected population						
1,1	Deaths or missing							
1.1.1	Deaths	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1	SDG 1.5.1/ Sendai A-1		
1.1.2	Missing	Sendai A-2	Sendai A-2	Sendai A-2	Sendai A-2	Sendai A-2		
1.2	Injured or ill	Sendai A-3	Sendai A-3	Sendai A-3	Sendai A-3	Sendai A-3		
1.2.1	Major injuries	Sendai B-2	Sendai B-2	Sendai B-2	Sendai B-2	Sendai B-2		
1.2.2	Minor injuries							
	Illnesses							
1,3	Displaced							
1.3.1	Permanent relocations due to destroyed dwelling	Sendai B-4	Sendai B-4	Sendai B-4	Sendai B-4	Sendai B-4		
1.3.2	Other Displaced							
1,4	Dwellings Damaged							
1.4.1	Number of people whose houses were damaged due to hazardous	Sendai B-3	Sendai B-3	Sendai B-3	Sendai B-3	Sendai B-3		

Thank you for
your attention...

