

TURKISH MEDICINES AND MEDICAL DEVICES AGENCY

# PHARMACEUTICAL TRACK AND TRACE SYSTEM (İTS)



**REPUBLIC OF TURKEY**  
**MINISTRY OF HEALTH**  
TURKISH MEDICINES AND  
MEDICAL DEVICES AGENCY



[www.titck.gov.tr](http://www.titck.gov.tr)

# WHAT IS PHARMACEUTICAL TRACK AND TRACE SYSTEM?

## Description

---

İTS is an abbreviation of Turkish Pharmaceutical Track and Trace System (İlaç Takip Sistemi). İTS is the infrastructure designed for track and trace all medicine in supply chain of Turkey. System covers every medicine box in all steps of supply chain, from production / import until consumption.

## First In The World

---

İTS is first and biggest scope project in the world, that many countries are interested in. As Agency, we accept visits from other countries to introduce and share information about our successful project.



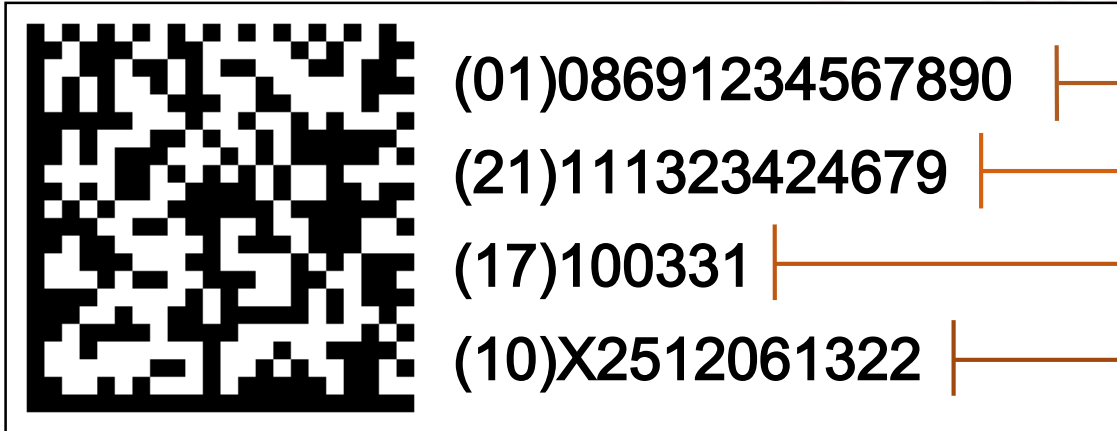
**RIGHT  
PRODUCT**

**RIGHT  
TIME**

**RIGHT  
PLACE**

**LOW  
COST**

# WHAT IS DATAMATRIX?



GTIN + SN = unique identifier

**(01) GTIN**  
Global Trade Item Number  
(Obarcode)

**(21) SN**  
Serial Number

**(17) XD**  
Expiration Date

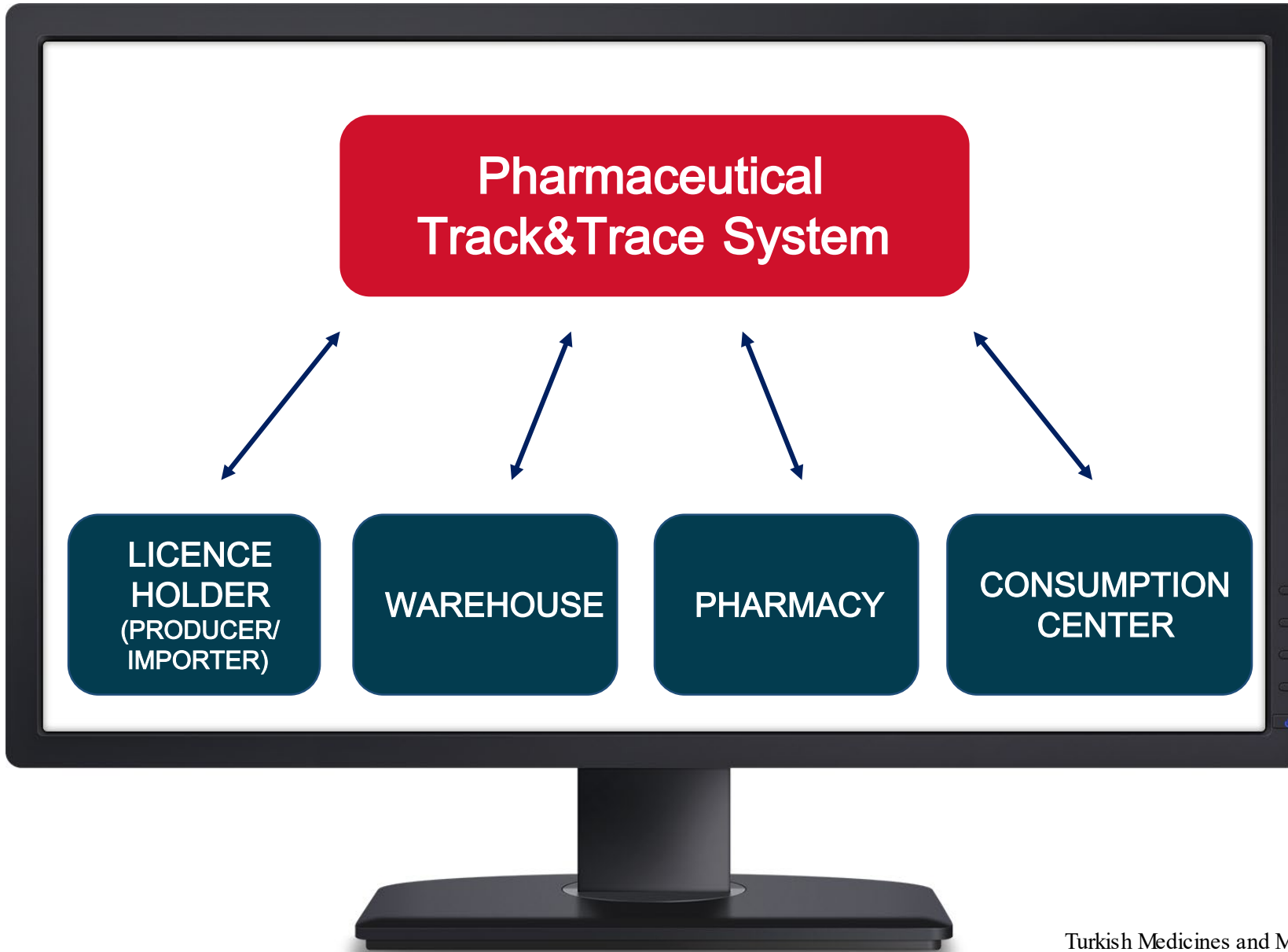
**(10) BN**  
Batch Number

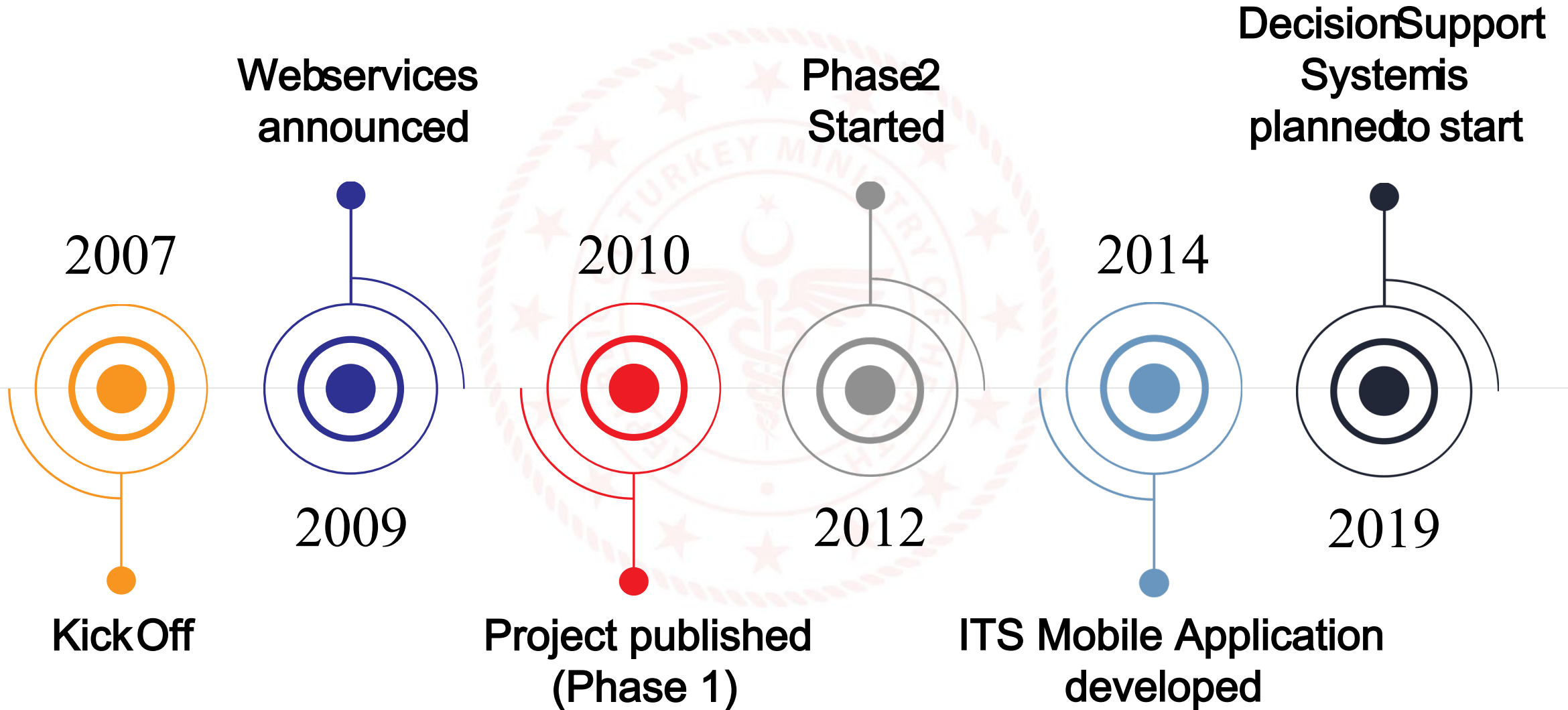
GS1 Standards are being used in ITS Project

GTIN (Global Trade Item Number) is used for identification of products (medicine)

GLN (Global Location Number) is being used for identifying stakeholders.









## RIGHT PLACE

İTS allows to track instant medicine stocks in Turkey. And medicine can be supplied for the regions which don't have necessary medicine.

We can control all stakeholders in supply chain by İTS.

The stakeholders are:

- Producer / Importer
- Pharmaceutical Warehouse
- Pharmacy
- Hospital



# MARKET CONTROL

Various limitations can be applied by İTS due to the Ministry politics.

**For Example** Selling of controlled medicine is limited depending on the risk groups. Illegal medicine have been prevented due to this limit which is applied on medicine movements.

**For Example** Supplying quality data for insurance institutes.



**İLAÇ TAKİP SİSTEMİ** / Anasayfa / İLAÇ ARA

**İLAÇ ARA**

Paydaş Türü:  İlçe:  İlçe:

**İLAÇ LİSTESİ**

Listedeki veriler 26.03.2019 00:01 tarihinde alınmıştır. Aradığınız kriterlere uygun toplam 164926 kutu ilaç bulunmuştur.

677 kayıttan 1 - 10 arasındaki kayıtlar gösteriliyor

Paydaş GLN	Paydaş Adı	İli	İlçe	Adres	Telefon	Kutu Adedi
8680001353330	HERDEM	Ankara	Çankaya	NAMIK KEMAL MAH. KUMRILAR CAD. NO:2/B	03124170714	9839
8680001313938	SABUNCUOĞLU	Ankara	Çankaya	SADÜK MAH. SULEYMAN SIRRI SOK. NO: 19/11	03124330533	3066
8680001354771	STRAZBURG	Ankara	Çankaya	STRAZBURG CAD. NO:33/22	0 - (312) 236 - 7373	2912
8680001353552	YAZAR	Ankara	Çankaya	KUMRILAR SOK. NO:8/D KIZILAY	0 - (312) 417 - 7138	2631
8680001430994	GÖLEN	Ankara	Çankaya	7. CAD. KAŞKABAT CAD. NO:59/C BAĞÇELİEVLER/ ÇANKAYA	03122136154	2246
8680001358054	HÜNER	Ankara	Çankaya	AZİZİYE MAH. PORTAKAL ÇİÇEK SOK. NO:2/A-AĞAĞI AYRANCI	03124391491	1903
8680001327737	ALKAR	Ankara	Çankaya	NENEHATUN CAD. ATTAR SOK. NO:21/B G.O.P.	03124653533	1753
8680001359172	BİLGESU	Ankara	Çankaya	OSMAN TEMİZ MAH. İLKER 1. CAD. NO:24/A DİKMEN	03124790813	1732
8680001454327	ANIT	Ankara	Çankaya	MALTEPE MAH. GENÇLİK CAD. NERİZEN TEKİR SOK. NO:125/B	03122306048	1711

**İLAÇ TAKİP SİSTEMİ** / Anasayfa / ÜRÜNLER / ÜRÜN SORGULAMA

**ÜRÜN SORGULAMA**

GTIN-SN:  SN:

**SORGU SONUCU**

GTIN: 08699786040045  
SN: 00313960249991  
İlaç Adı: NEXIUM ENTERİK KAPLI PELLETTABLET 40 MG 28 TABLET  
Parti No: ZLCK  
Son Kullanma Tarihi: 30.09.2021  
Üretici GLN: ASTRAZENECA İLAÇ SAN.VE TIC.LTD.ŞTİ.-8699786000018 İstanbul ruhsatlandirma@astrazeneca.com-212 317 24 11

**SÖN SAHİBİ**

AKIN-8680001462780  
Ankara  
BorcukAS@hotmail.com-0 (312) 244 - 1001  
BURCU AKIN DEMİRTAŞ

**ÜRÜN HAREKETLERİ**

8 kayıttan 1 - 8 arasındaki kayıtlar gösteriliyor

Bildirim Tarihi	Bildirim ID	GTIN	SN	İşlem	İşlem Yapan	Karşı Paydaş	Sonuç
10.02.2019 9:19:50	25664958909	08699786040045	00313960249991	ECZANE SATIŞI	8680001462780 AKIN	0000000000000000	00000
08.02.2019 15:05:37	25649470727	08699786040045	00313960249991	ECZANE MAL ALIMI	8680001462780 AKIN	8680014600128 NEVZAT ECZA DEPOSU A.Ş. ETİMESGUT-SİNCAN ŞUBESİ	00000
08.02.2019 14:07:15	25647996179	08699786040045	00313960249991	DEPO SATIŞI	8680014600128 NEVZAT ECZA DEPOSU A.Ş. ETİMESGUT-SİNCAN ŞUBESİ	AKIN	00000
13.01.2019 13:07:34	25443363437	08699786040045	00313960249991	DEPO ALIMI	8680014600128 NEVZAT ECZA DEPOSU A.Ş. ETİMESGUT-SİNCAN ŞUBESİ	8680014600128	00000

**İLAÇ TAKİP SİSTEMİ** / Anasayfa / KONTROLE TABİ İLAÇ STOK BİLGİSİ

**KONTROLE TABİ İLAÇ STOK BİLGİSİ SORGULAMA**

**FİLTRE BİLGİLERİ**

Şehirler:  İlçe:  İlçe:  İlçe:

**KONTROLE TABİ İLAÇ STOK BİLGİLERİ**

8 kayıttan 1 - 8 arasındaki kayıtlar gösteriliyor

GLN	Ecza Adı	GTIN	İlaç Adı	İlaç Sayısı
8680001251001	ASLU ECZANESİ	08699504011104	RITALİN 10 MG TABLET (30 TB)	1
8680001251001	ASLU ECZANESİ	08699510050012	SUBOXONE 2 MG/0,5 MG DİALTI. TABLET	3
8680001251001	ASLU ECZANESİ	08699525064889	RIVOTRİL 2 MG TABLET	1
8680001251001	ASLU ECZANESİ	08699525150449	DIASEM KAPSÜL 5 MG (25 KAPSÜL)	1
8680001251001	ASLU ECZANESİ	08699532017819	XANAX 1MG 50 TABLET	2
8680001251001	ASLU ECZANESİ	08699546010608	LUMINAL TABLET	1
8680001251001	ASLU ECZANESİ	08699708011559	AKINETON 2 MG TABLET(100 TB)	1
8680001251001	ASLU ECZANESİ	08699717010109	PAROL 300 MG TABLET	1506

**İLAÇ TAKİP SİSTEMİ** / Anasayfa / AKILCI İLAÇ KULLANIMI STOK RAPORU

**AKILCI İLAÇ KULLANIMI STOK SORGULAMA**

**FİLTRE BİLGİLERİ**

İlaç:

**AKILCI İLAÇ KULLANIMI STOK RAPORU**

1 kayıttan 1 - 1 arasındaki kayıtlar gösteriliyor

Üretici Stok	Depo Stok	Ecza Stok	Hastane Stok
9980	10861	5952	177864

Sayfada 10 kayıt göster



# RIGHT PRODUCT

1

ITS allows all kind of movements **safe medicine** in supply chain. It protects patients and whole supply chain from counterfeit products.

## Estimated saving

in 2017 -> 316m TL ≈ 90m \$

in 2018 -> 391m TL ≈ 72m \$

\* based on all type of rejected transactions

2

ITS prevents **resale** of medicine.

3

ITS expedites **recalling** of medicine.

4

ITS prevents sale of **expired** medicine.

# STAKEHOLDERS

LICENCEHOLDERS (PRODUCERS/IMPORTERS)	412
PHARMACEUTICAL WAREHOUSES	550
PHARMACIES	26.006
CONSUMPTION CENTERS	16.312
REIMBURSEMENT AGENCIES	50



Stakeholders are being tracked by GLN (global location number)



Largest reimbursement agency is SGK (Social Security Institution) and %85 of medicine sold from pharmacies are paid back by SGK.

# PARAMETERS

TOTAL STAKEHOLDERS	≈ 42.705
MEDICINE TYPES	≈ 8.950
MEDICINE UNITS	≈ 18.272.358.106
MEDICINE UNITS SOLD BY PHARMACIES	≈ 12.730.093.485
MEDICINE UNITS RECALLED	≈ 16.829.923
MEDICINE UNITS IN PHARMACY STOCK	≈ 513.237.738
DAILY AVERAGE TRANSACTIONS	≈ 79.177.448 (Dec.2018 avg.)
TRANSACTIONS IN A SECOND	≈ 916.4
RESPONSE TIME	<0.5 Second

# FOR OUR PEOPLE: ITS MOBILE

Our citizens are able to inquire their own medicine using their smartphones.

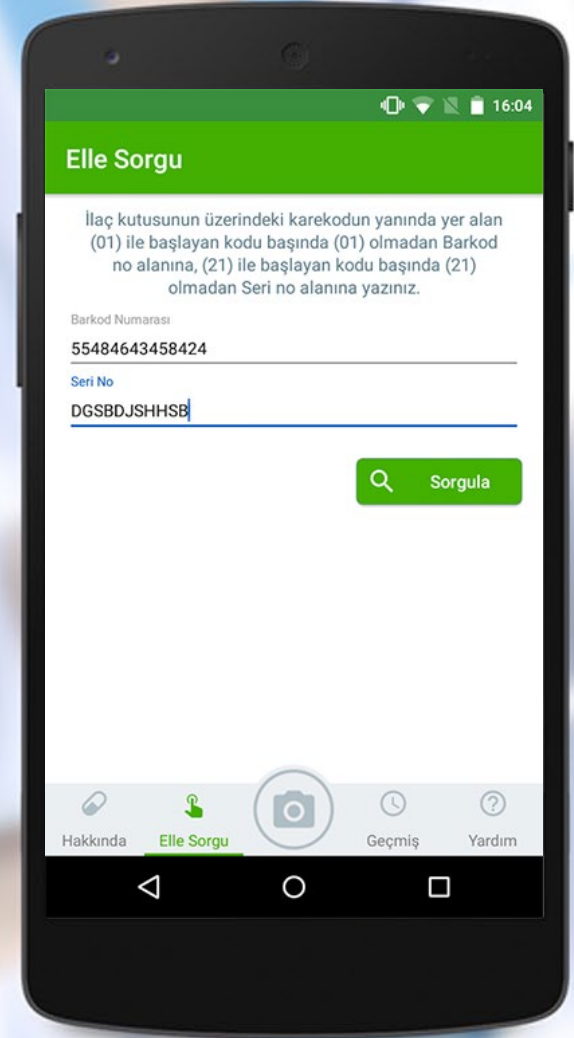
Citizens are able to learn the,

- Data Matrix Information,
- Name,
- Expiration Date,
- Price of the Medicine;

Also;

- If the Medicine is Recalled,
- If the Medicine is Registered on the System.

**Insecure Medicine Notifications and Adverse Effect Notifications** can be made by citizens thru ITS Mobile.



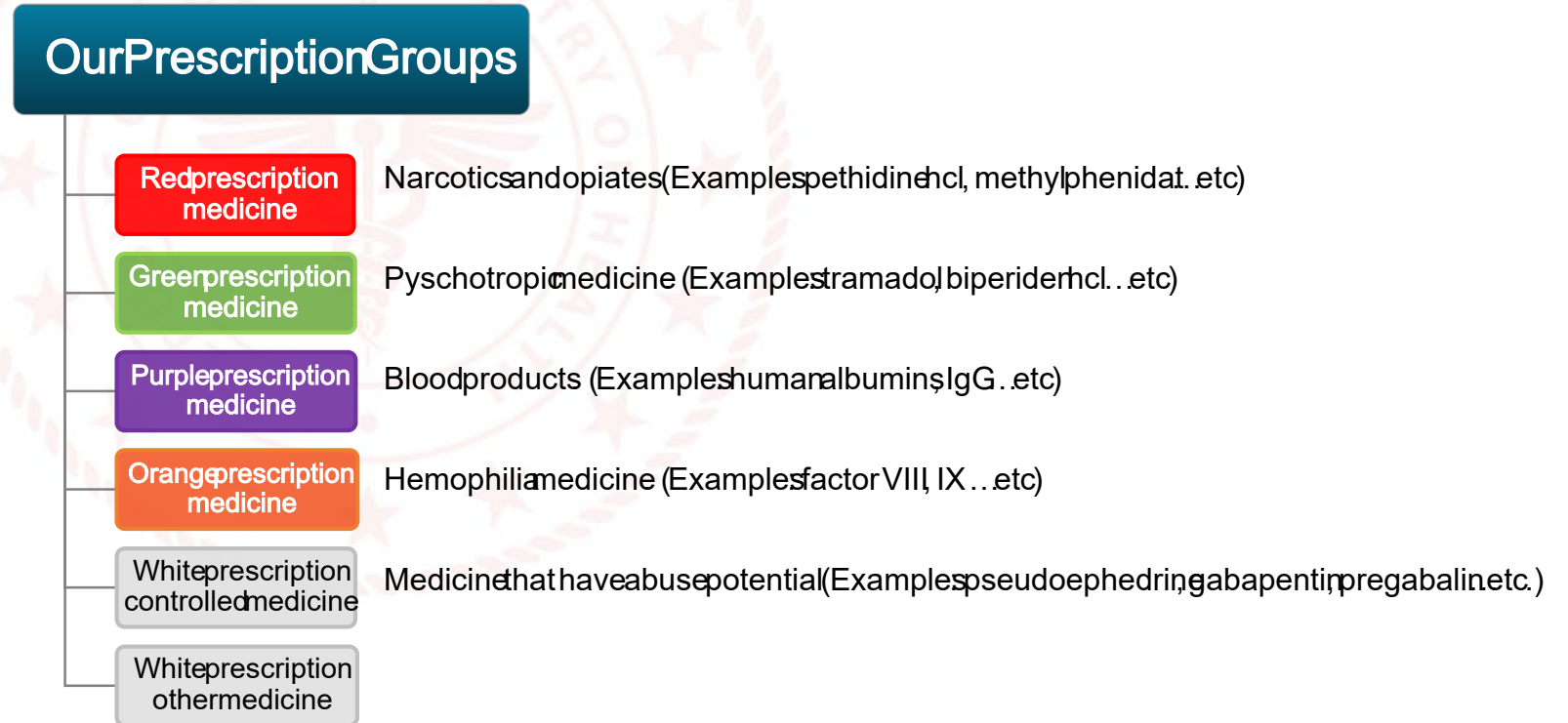
Restricted prescription system is developed for providing dosage control and prevention of medicine abuse controlled medicine, blood products and hemophilia products.

The information that collected by the system is used to obtain reliable statistical information. This database is also useful for better inspection processes countrywide.

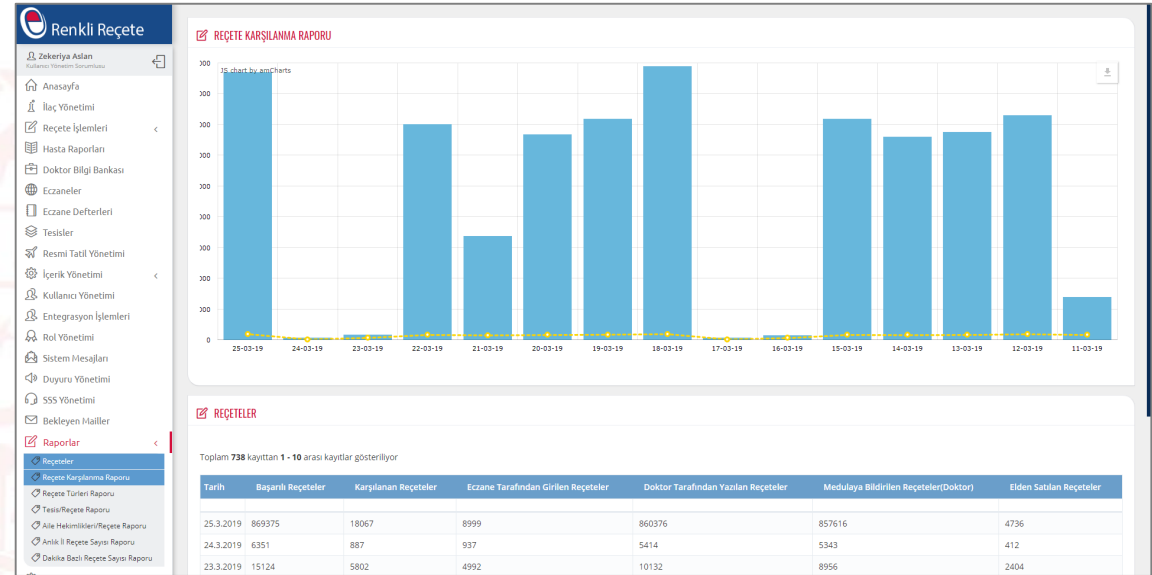
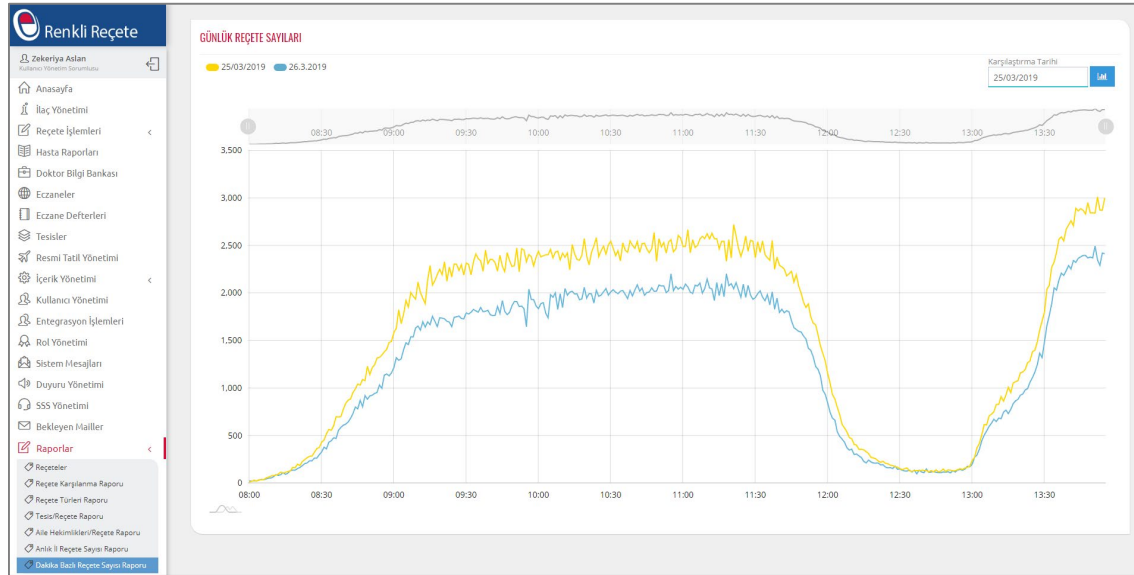


## Right Dosage When Needed

Restricted prescription system ensures patients to use only necessary medicine at right time and right dosage. For ensuring patient and medicine safety, the system controls the dosage at the prescription step.



# RESTRICTED PRESCRIPTION SYSTEM PROJECT SCREENS



### Renkli Reçete

#### ALL HEMOKLİMİKLER REÇETE RAPORU

25.3.2019

Toplam 24 kayıttan 1 - 24 arası kayıtlar gösteriliyor

İlaç Adı	Form	Uzunluk	Genişlik	Yükseklik	Yüzey Alanı	Yükseklik	Yüzey Alanı	Yükseklik	Yüzey Alanı	Yükseklik	Yüzey Alanı	Yükseklik	Yüzey Alanı	Yükseklik	Yüzey Alanı
Adrenalin	1/1000	42	20,00	2	0	2	140	0	140	0	0	0	0	1651	42
Adrenalin	1/1000	3	40,00	3	0	3	20	0	20	0	0	0	0	244	2
Adrenalin	1/1000	4	20,00	4	0	4	16	0	16	0	0	0	0	392	1
Adrenalin	1/1000	2	40,00	2	0	2	4	0	4	0	0	0	0	64	2
Adrenalin	1/1000	4	20,00	4	0	4	16	0	16	0	0	0	0	160	4
Adrenalin	1/1000	25	20,00	11	0	11	160	4	160	0	0	0	0	1382	25
Adrenalin	1/1000	10	20,00	3	0	3	12	2	12	0	0	0	0	160	10
Adrenalin	1/1000	0	17,00	0	0	0	13	0	13	0	0	0	0	64	0
Adrenalin	1/1000	41	17,00	3	0	3	60	2	60	0	0	0	0	624	41
Adrenalin	1/1000	39	14,00	3	0	3	0	0	0	0	0	0	0	892	39

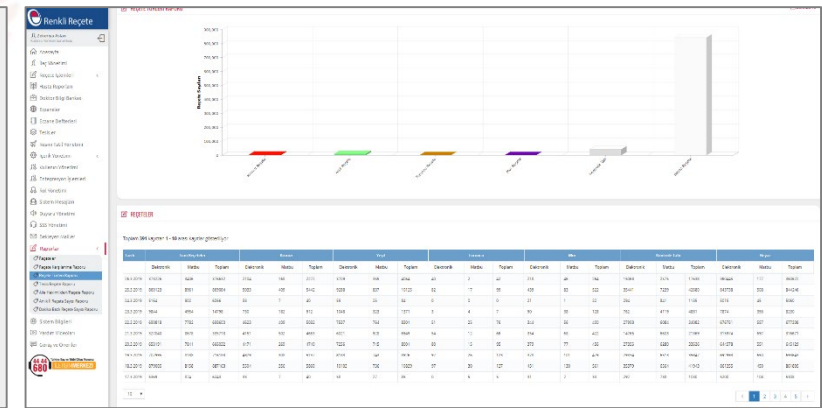
### Renkli Reçete

#### TESSİS REÇETE RAPORU

25.3.2019

Toplam 521 389 10 48 11384

Teşis Adı	Kurum Reçete	Yığılma Reçete	Turancık Reçete	İlaç Reçete	Reçete Sayısı	Doktor Sayısı
ANKARA BAĞCIYEVAN ÜNİVERSİTESİ HEMEN ULUSLARARASI HASTANESİ	9	15	0	0	528	130
ANKARA DEĞİRMENÇİ ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	50	29	0	0	15	1
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	4	7	0	0	1207	99
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	1	28	0	1	2077	187
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	9	9	0	0	27	4
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	9	3	0	0	323	28
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	9	7	0	0	995	51
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	14	9	0	1	24	14
ANKARA İZMİR ÜNİVERSİTESİ SAĞLIK VE HASTANALARI HASTANESİ	9	0	0	0	114	11



The Product Tracking System Project aims at developing infrastructure to track medical devices and cosmetic products manufactured in our country or imported from the production band to the place where they are sold and used.

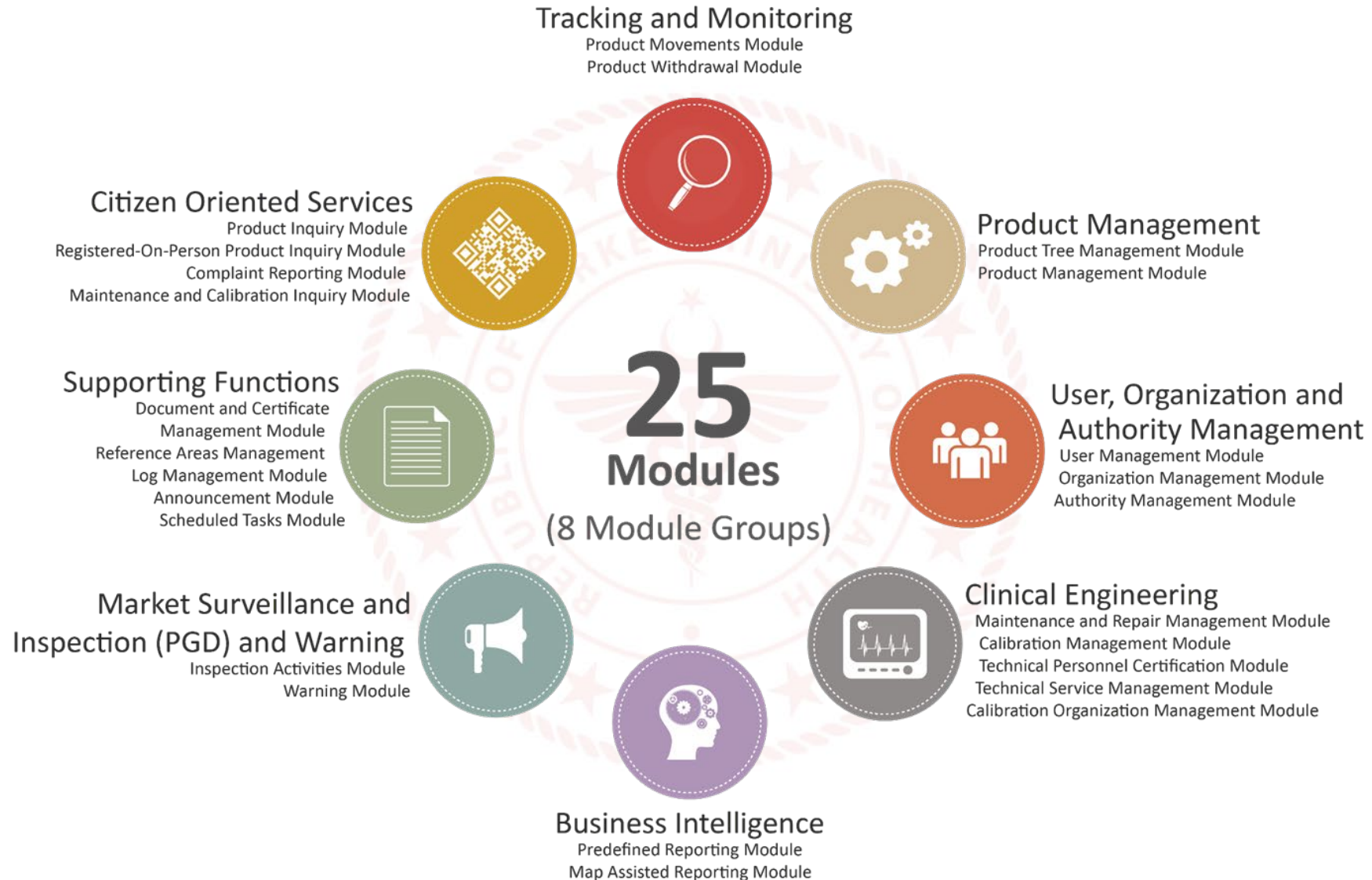
## Purpose of the Project

- To keep track of medical devices and cosmetic products.
- To establish a National and Original infrastructure which meets performance requirements to **keep track** of products.
- To contribute to ensuring **patientsafety** and protection of **public health**
- To provide an infrastructure to ensure healthy and efficient execution of **inspections** services.
- To ensure rapid **measures** are taken against possible risks to occur during use of the products.





# UTS (PRODUCT TRACKING SYSTEM) PROJECT





**REPUBLIC OF TURKEY**  
**MINISTRY OF HEALTH**  
TURKISH MEDICINES AND  
MEDICAL DEVICES AGENCY

**THANK YOU**

[www.its.gov.tr](http://www.its.gov.tr) | [www.uts.saglik.gov.tr](http://www.uts.saglik.gov.tr)