

GS1 Korea Annual Report 2020





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CEO Message



The COVID-19 pandemic has transformed our daily lives and caused a disastrous economic impact. The world saw its economy shrinking, and **Korea was no exception.**

Despite economic difficulties, however, **GS1 Korea achieved exceptional performance in 2020**, with both its membership and revenue growing by double digits. Such remarkable achievement was made possible by our enduring efforts towards greater adoption of GS1 standards especially in our strategically important business sectors including online retail and healthcare.

Building upon such an achievement, **we continue to seek opportunities to push our frontiers.** We work with e-commerce leaders including Amazon and Alibaba on multiple fronts for greater adoption of GS1 standards in the fast growing sector amid the on-going digital transformation. We also participate in the initiative of Global Registry Platform. Our initiative to apply GS1 standards to a smart city pilot project attracts huge attention not only from local public and private sectors but also from the Asia-Pacific regional and global GS1 communities.

In addition, **our collaboration with the Korean government plays a pivotal role** in increasing sectors which adopt GS1 standards. Specifically, agricultural

pesticides joined drugs and medical devices in using GS1 standards as a mandate to ensure consumer safety and supply chain efficiency. Roll-out of the Unsafe Product Screening System (UPSS), a government sponsored initiative, has made a major breakthrough as it starts involving small and medium sized retailers and online players in addition to large scale ones.

Furthermore, **we focus on expanding services** for our members for their better use of GS1 standards. Examples include running GS1 Korea Academy to offer regular training on how to use GS1 standards and publishing regularly latest updates on what is going on in relevant industries.

As a member of the GS1 AP Steering Committee, we actively participate in regional projects including

adoption of GTIN by the Chinese customs authority and actions to address unauthorized numbers.

By building upon our successes made so far, reinforcing our strengths and pushing our frontiers, **we will be a even more dependable GS1 organization** for our members. Your support and interest will provide great impetus for us.



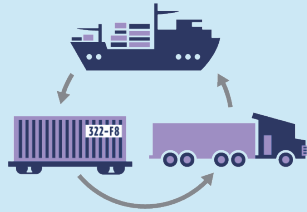
Deogho Seo

President & CEO
GS1 Korea

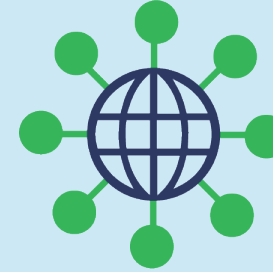
About GS1 Korea



GS1 Korea Now:



Has helped industries adopt
GS1 Standards for **33** years



Supports
43,000 corporate members

Has achieved mandatory use of GS1 Standards in four industries under the
partnership with the government:



Cosmetics



Pharmaceuticals



Medical Devices



Agricultural Pesticides

Leadership

- The Board of Governors of GS1 Korea consists of key leaders from manufacturing, retail, logistics, and academia.

| Chairman |

Taewon CHEY	Chairman	Korea Chamber of Commerce & Industry / GS1 Korea
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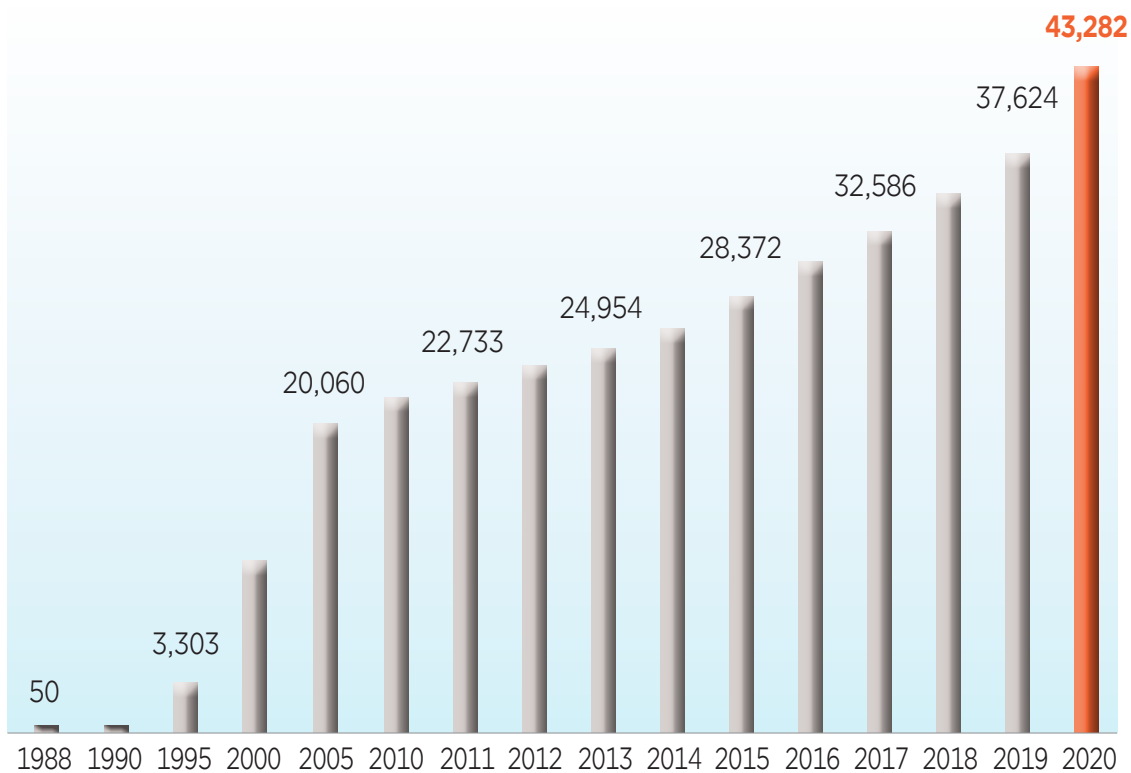
| Governors |

Jaeseung CHIN	CEO	Yuhan Kimberly
Yoonsung CHO	CEO	GS Retail
Hangil CHUN	CEO	eBay Korea
Sinho KANG	CEO	CJ Logistics
Daeyoung KIM	Professor	Auto-ID Lab, KAIST
Saejo OH	Professor	Dept. of Business, Yonsei University
Jinsun PARK	CEO	Sempio Foods
Namju PARK	CEO	Pulmuone Foods
Byungryun SEO	CEO	Korea Pallet Pool
Taehee WOO	Executive Vice Chairman	Korea Chamber of Commerce & Industry
Deogho SEO	President & CEO	GS1 Korea

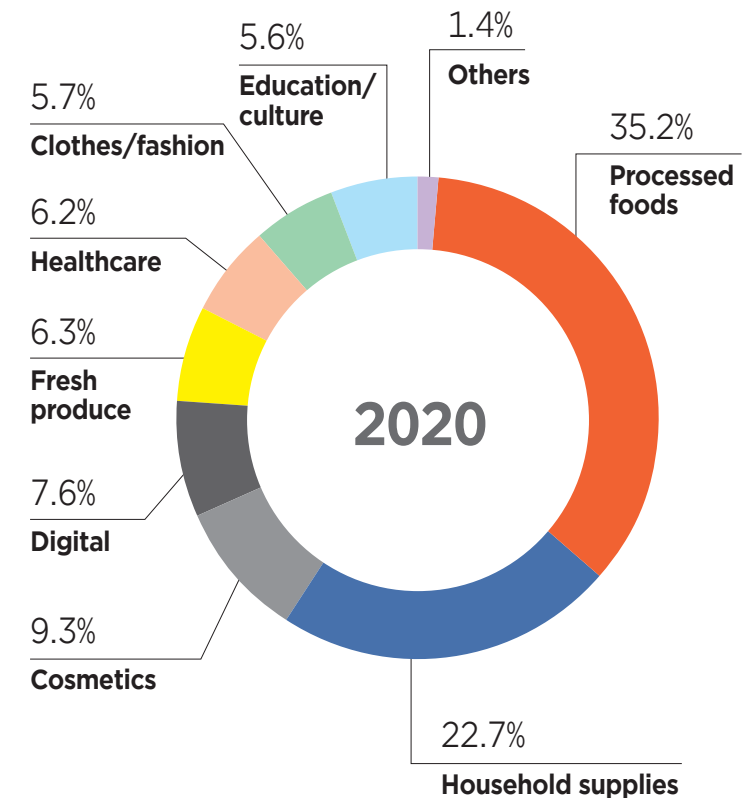
Membership

- Our membership has continued to grow reaching over 43,000 at the end of 2020
- Our members come from a wide range of industries including food, household supplies, pharmaceuticals and fashion

| Membership by Year |



| Membership by Industry Sector |



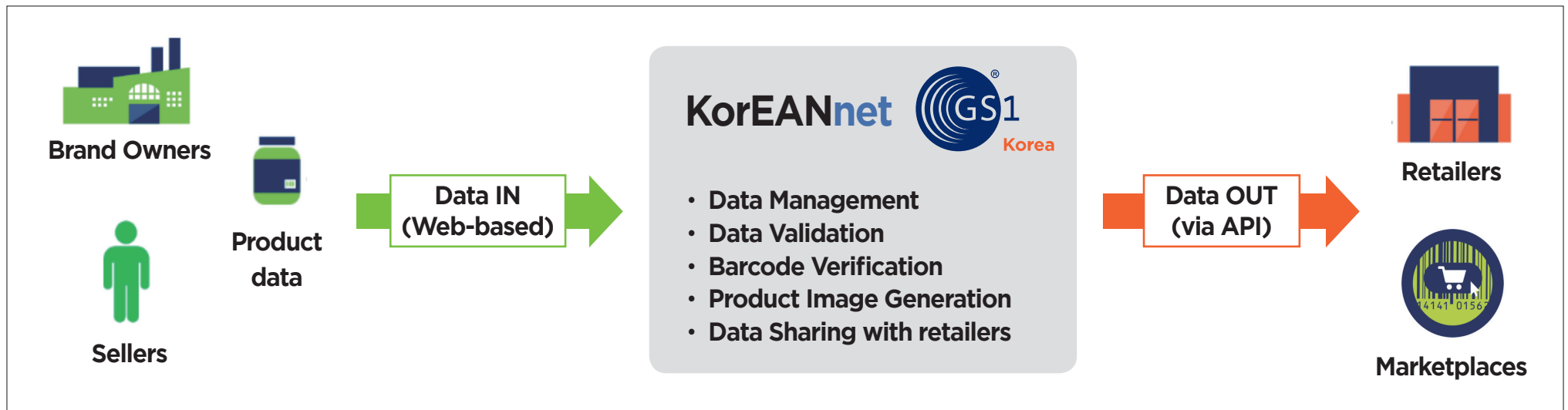
Services & Solutions



Data Services - KorEANnet

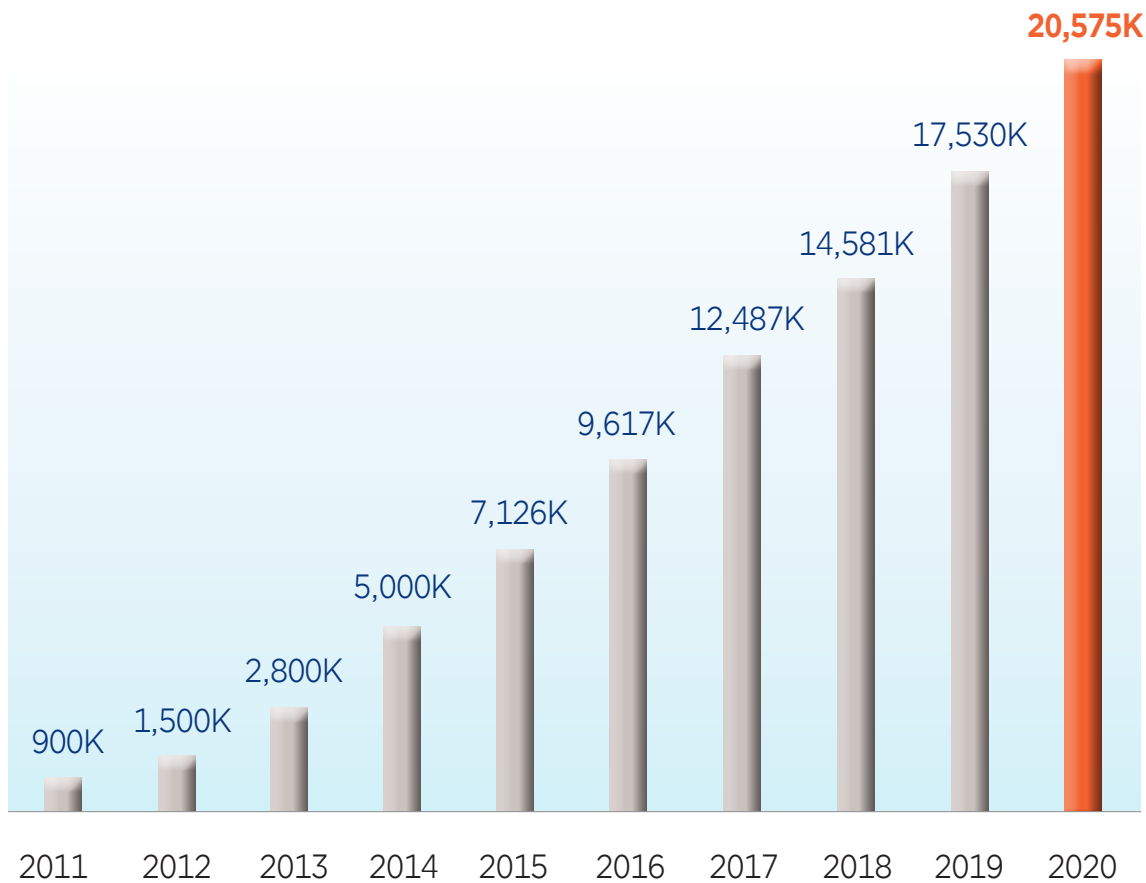
- KorEANnet is a solution for creating, managing and sharing product identification data
- Major retailers and marketplaces in Korea are engaged in getting data from KorEANnet on a regular basis
 - * Emart, Lotte Mart, Home Plus, Nonghyup, Naver, eBay Korea and NahdIlgarge
- Discussion is under way with Solution Providers offering data services for marketplace sellers regarding possible collaboration using Verified by GS1

| KorEANnet Service : At a Glance |

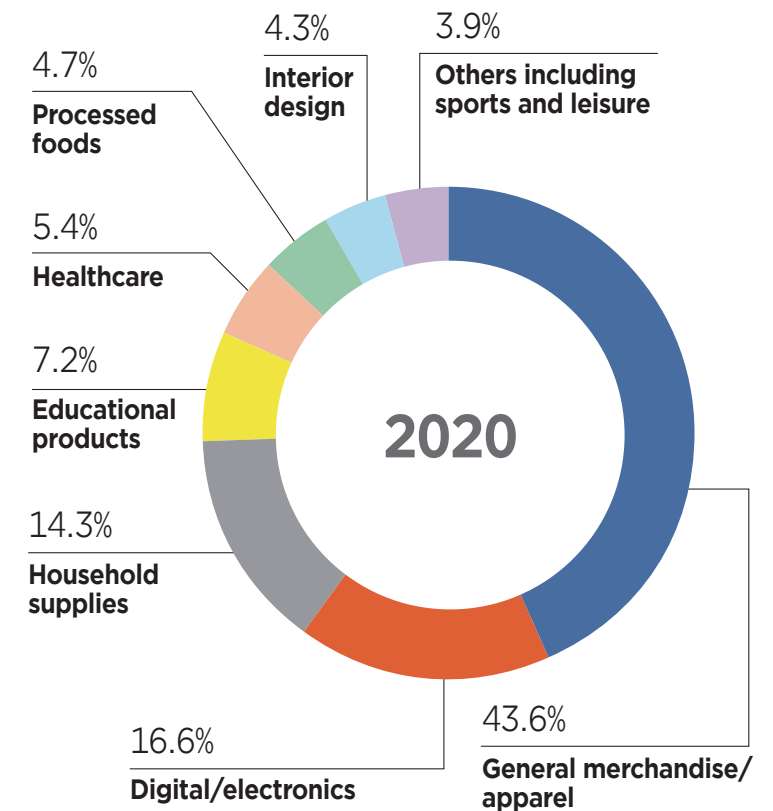


Data Services - KorEANnet

| Total number of products registered with KorEANnet |



| Categories of products registered |



Data Services - Barcode Data Sharing

- **Scan the barcode on a product to retrieve data on it through API**

- * Scanning needs to take place one product at a time. Around 30 product attributes can be retrieved for each barcode (i.e. product name, vendor, weight, volume, image)

- **Notable users include online retailers, retail market research firms, startups, and public organizations**

- * Applications: Price comparison among retailers after barcode scanning, apps to survey purchased products among a panel of consumers, talking apps for visually impaired people

| How the service works |



Data Services - Product Bank Korea

- GS1 Korea is building a database containing highly accurate and detailed product data for use by industry stakeholders including retailers and retail IT vendors in response to accelerating digital transformation wider adoption of emerging technologies including AI and big data and diversifying consumer needs in the retail sector
 - * Over 3000 sub-categories fully compatible with GS1 GPS classification system and over 700 attributes that can be used for online retail
- Our members can just send us their physical products and invite us to do the rest including uploading of product data (Over 150,000 attributes have been uploaded so far)
- Online retailers including Naver, Coupang and SSG.COM as well as over 10 startups have procured data from this service to generate values

| Product Bank Korea website |
(www.productbankkorea.or.kr)



| Product Bank Korea mobile app |
"ProductScan"



Data Services - Product Bank Korea

- **Service models will be developed in alliance with GS1 Global projects**

- Data OUT (Verified by GS1) feature will be leveraged to help upgrade existing business models based on barcode data sharing
- Industry needs will be identified, including access to overseas barcode data and barcode validity check with a view to developing new services

- **Support will be provided for online retailers (possibly through pilot projects) to refine their product data and automate their data registration process**

- Access to Product Bank Korea's database can be provided for online retailers if they recommend or mandate allocation of GTINs to products they sell
- A product database sharing system will be built to create a process where entry of a GTIN will automatically lead to registration of all product data associated with it before the product is offered for sale

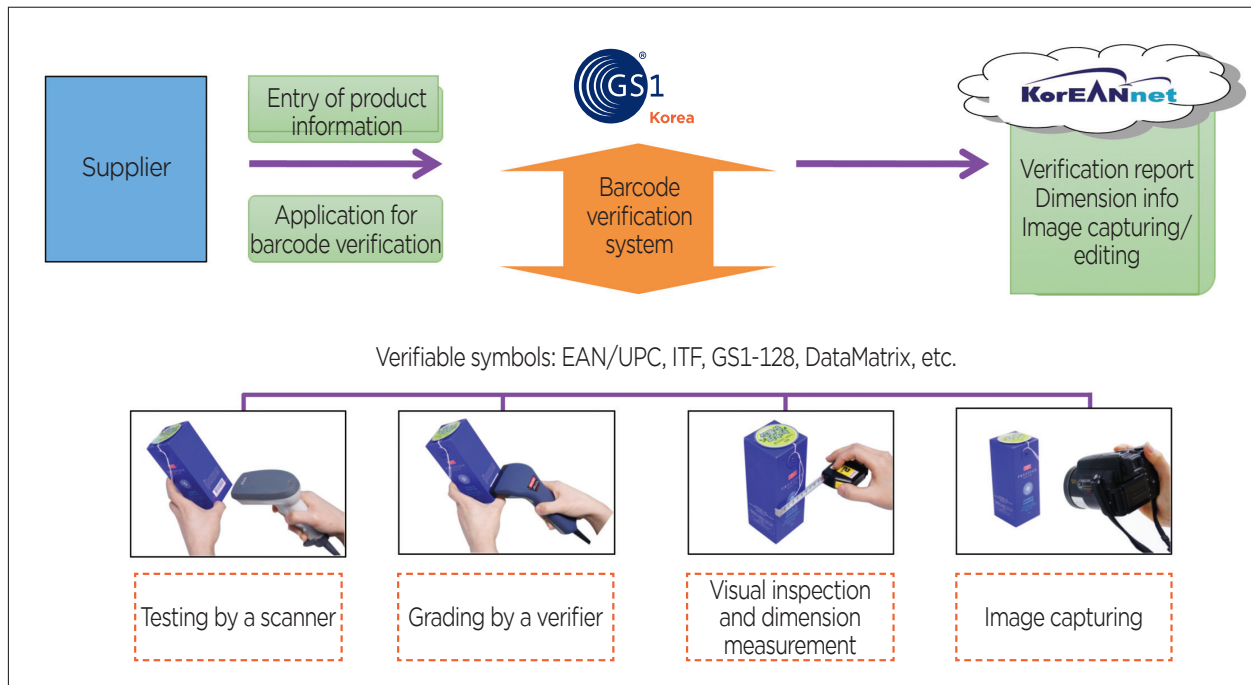
- **Benefits and next steps**

- Retailers find Product Bank Korea more productive in terms of accuracy and usage compared to their own product databases whose data are collected from their manufacturers and sellers
- Cooperation between manufacturers and retailers is needed for product databases to grow. Best practices and favorable government policies should facilitate access to product data so that online retailers can build product data management systems based on barcodes

Barcode Verification Service

- To test and evaluate the scannability of barcode symbols printed on packages or boxes
(Over 50,000 barcodes verified in 2020)
- Three local major retailers require barcode verification by GS1 Korea before new products are initially supplied
- Can also be used to collect product data for KorEANnet

| How the service works |



| Barcode verification |



Data Services - POS Data Service (PDS)

- **PDS is a data analysis service including sales trend by item for various stakeholders**

- 1,427 stores of 12 retailers including hypermarkets, department stores, and supermarkets are sharing their data
 - * Participating retailers include Lotte Mart, Nonghyup Hanaro Mart, Hyundai Department Store, Hanhwa Galleria and NahdIlgarge
- 113 FMCG categories including food, beverages, home and personal care are being collected
- Insights derived include monthly best-selling products, newly launched products, list of items under each product line, etc.
- Key users of such insights include public organizations (i.e. the Korea Statistics Office, the Bank of Korea, the Small Enterprise and Market) and market research firms (i.e. AC Nielsen)

- **A new service will be launched in the second part of 2021, featuring web-based analysis on sales by item, brand and manufacturer as well as market shares**

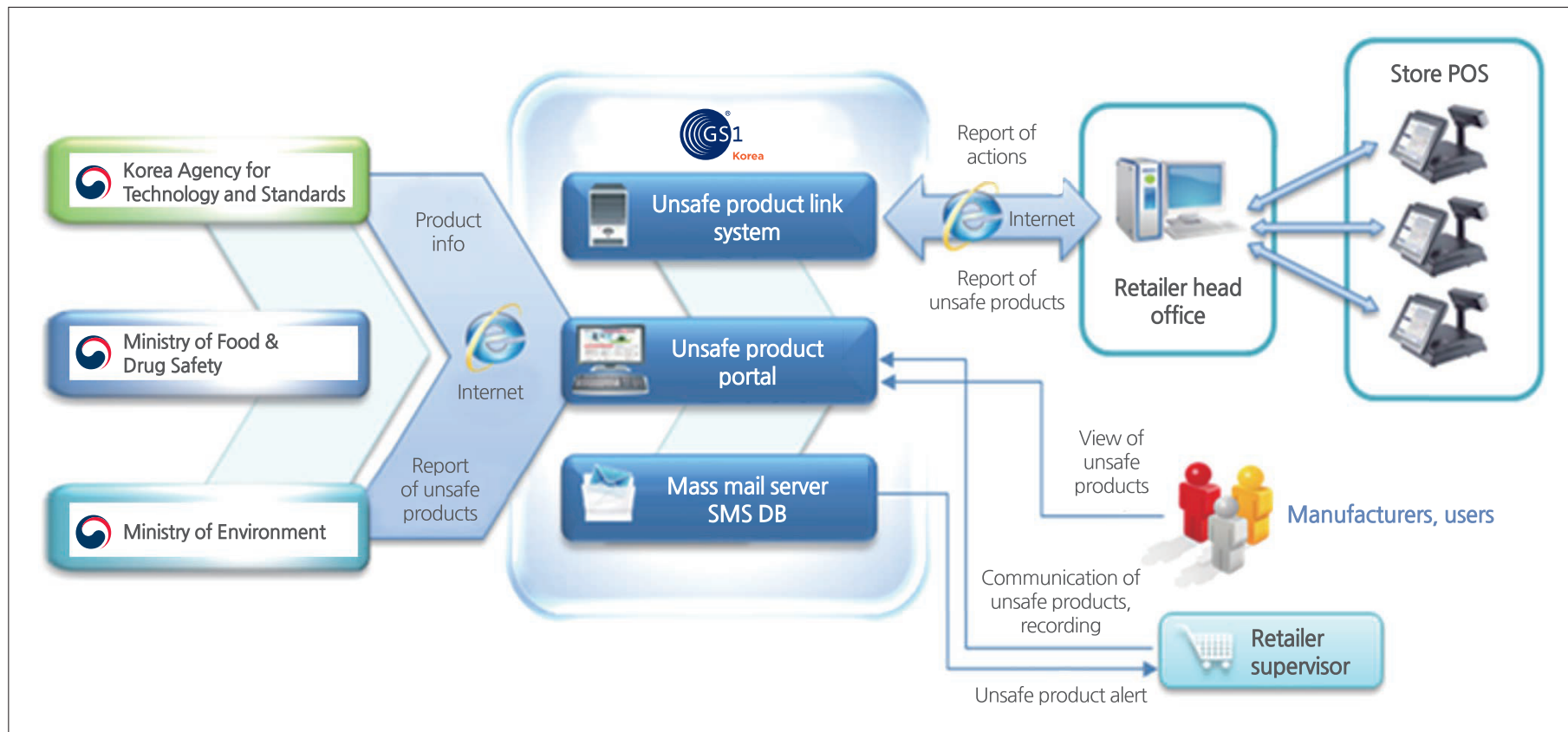


Unsafe Product Screening System (UPSS)

- GTINs of unsafe products are transmitted to retailers to prevent their sales at the checkout (POS)

* Inspecting Authorities : MFDS, KATS, MOE

| System Diagram |



Unsafe Product Screening System (UPSS)

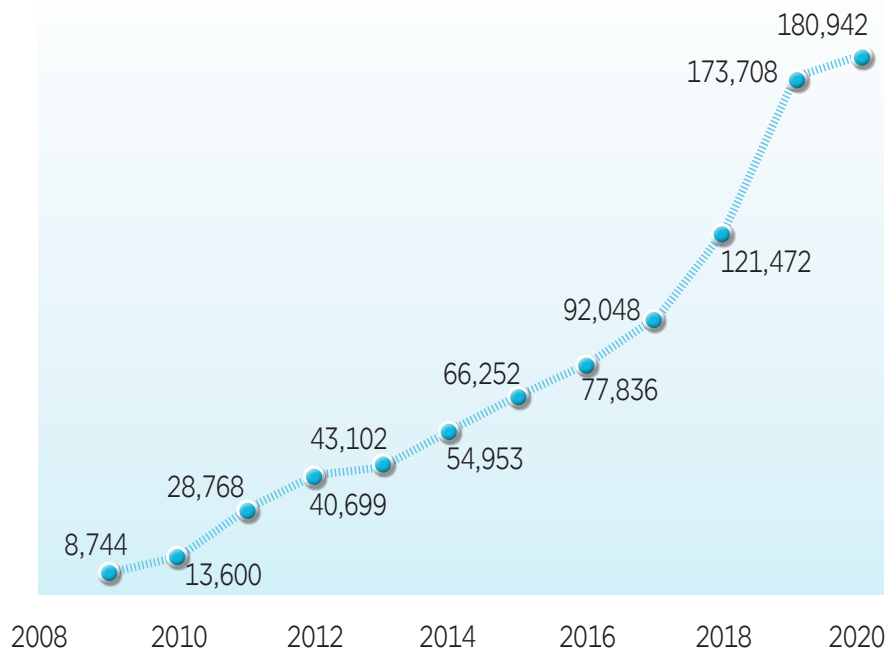
- **Participants: 173,708 stores of 74 retailers in 2019 → 180,942 stores of 78 retailers in 2020**

* New retailers come from online retailers (i.e. GS Fresh Mall and Coupang), convenience stores and catering service operators

- **Counts of notification to prevent unsafe products: 1,211 in 2019 → 1,701 in 2020, up 40.4% year on year**

* Total counts of notification from 2009 and 2020: 12,050

| No. of participating stores over the years |



| Types of participating retailers & no. of stores |

(as of 2020)

Retail Type	No. of Retailers	No. of Stores
Hyper markets	9	635
Department stores	7	102
Supermarkets	10	3,711
Convenience stores	8	41,394
Online mall	23	23
Food material distributors	7	103,359
Electronics	1	462
Small retailers	11	23,672
Others	2	7,584
Total	78	180,942

Unsafe Product Screening System (UPSS)

- **Advertising to the public on IPTV**

- On three major local carriers (KT, SK and LG U+)

- **Recognizing retailers outstanding UPSS implementation**

- **Upgrading the UPSS portal**

- To show retailers how many times they've been notified and how many items have been blocked
- To make registration of unsafe products easier (individual or batch)

- **Move to adopt a bulk email solution will start**

- To notify retailers faster of unsafe products identified

- **Efforts to engage more online retailers (to adopt barcodes) will be made**

- Focus will be placed on home shopping channels and Internet shopping malls
- The barcode product database management and searching will be improved for faster blocking and better monitoring

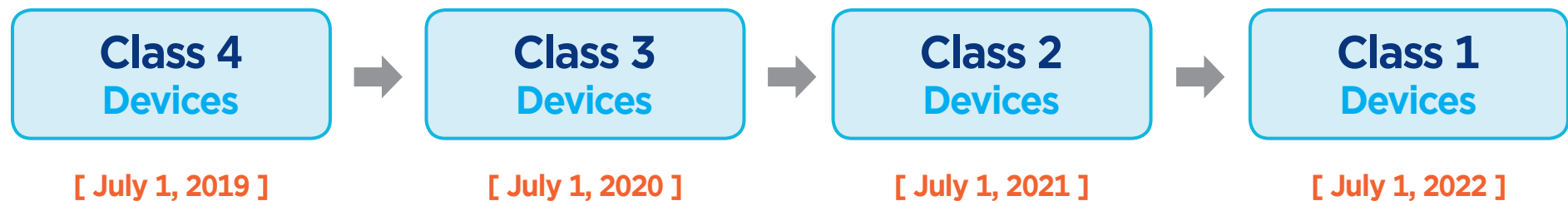


Industries Engagement



Healthcare - Medical Devices

- In partnership with GS1 Korea, the Korean government named the GS1 code as the standard numbers for medical devices circulated in the country in order to create an environment where medical devices can be used safely through a life cycle safety management system
 - In 2016, the medical devices act was amended to provide a legal foundation for adoption of UDI aimed at better identification and tracking of medical devices
 - In 2018, regulations on marking of standard numbers on medical devices and their tracking were adopted, legalizing use of GS1 Standard-based UDI
- Allocation of GS1 codes and delivery of associated data will be required for different classes of medical devices in phases
 - Between July 2019 and July 2022, the mandate will apply to the high-risk group first and then the lower risk groups in each class
 - UDI will be created for the minimum designation unit and the packing unit of each medical device



Healthcare - Medical Devices

- **Support for the government in implementing policies**

- Two joint sessions with the Ministry of Food and Drug Safety (MFDS)
- Monthly meetings to discuss issues

- **Support for medical device vendors in applying GS1 Standards**

- Five training sessions on GS1 Standards for manufacturers and suppliers of Class 3 medical devices; two counts of on-site joint consultation with MFDS
 - * In 2021, support will be expanded to Class 2 device vendors
- Help Desk will be offered to assist use of GS1 Standards, along with barcode verification service
- A guide on how to use GS1 Standards will be released

► **Medical device vendors as our members**

**Over 1,300 businesses out of around 3,200 required to adopt UDI are currently GS1 Korea members
(In 2020, 395 businesses newly joined GS1 Korea.)**

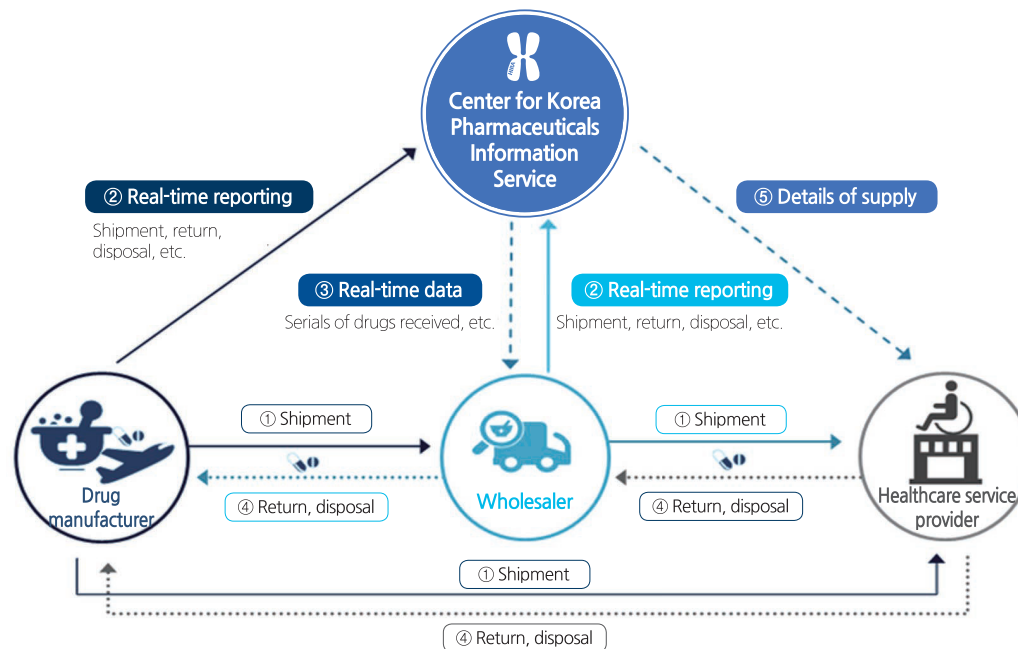
Healthcare - Pharmaceuticals

- **Mandating adoption of GS1 Standard and serialization by the pharmaceutical sector**

- GTIN for OTC drugs (2000)
- GTIN + Expiration Date + Lot Number adopted for specified drugs (2012)
- GTIN + Expiration Date + Lot Number adopted for prescription drugs (2013)
- Serialization for prescription drugs (2015)
- Traceability system launched (2015)

* Traceability system: A system where manufacturers or importers of drugs should report to the competent authority what they have supplied to whom (i.e. healthcare service providers, pharmacies, wholesalers)

| Overview of the system for reporting supply of drugs based on serialization |



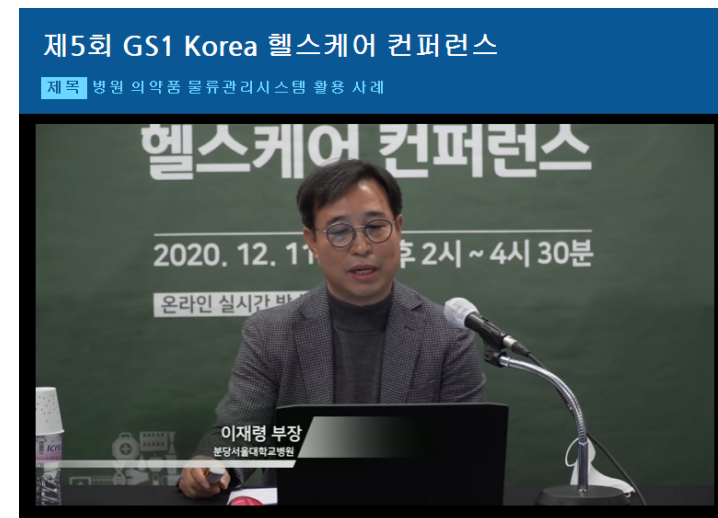
Healthcare - Pharmaceuticals

- **Operating a traceability system for pharmaceutical products and supporting pharmaceutical companies continuously in adopting GS1 Standard- Two counts of talks on adoption of a traceability system for oxygen vessels intended for medical purposes**
 - Help Desk is offered to help industries cope with drug traceability systems newly adopted in and outside Korea, including FDA's
- **In 2021, greater efforts will be made to support the operation of the traceability system by the Ministry of Health and Welfare**
 - A survey will be conducted semiannually to determine how well the traceability system is working identify what challenges companies face
 - Support will be provided for exporters to cope with pedigree systems applied in the U.S. and EU
 - We will participate in the discussion about adoption of a traceability system for oxygen vessels intended for medical purposes
 - A group consisting of representatives from the private sectors and the government will participate in the GS1 Healthcare Conference in Paris in November
 - * Government bodies involved include the Ministry of Health and Welfare and the Health Insurance Review & Assessment Service. Focus will be on identifying what key EU members are doing concerning the drug traceability system

Healthcare - GS1 Korea Healthcare Conference

- **The 5th GS1 Korea Healthcare Conference (held online on December 11)**

- Jointly hosted by the Ministry of Food and Drug Safety and the Ministry of Health and Welfare
- Topics include updates on the government's healthcare related policy and sharing of leading businesses' best practices in GS1 Standard adoption with a view to supporting followers
- Over 300 people from relevant industry sectors including medical devices and pharmaceuticals attended



Agricultural Pesticides

- **Push for mandatory adoption of GS1 Standard for agricultural pesticides**

- The Rural Development Administration issued a requirement to apply GS1 Standard barcodes to agricultural pesticides and devices needed to use such pesticides, whether manufactured or imported, for their safer and more efficient distribution and made a follow-up announcement (Instructions on How to Mark and Manage Barcodes on Pesticides) in August 2020
- Prior to the announcement, GS1 Korea had a discussion with the Administration on multiple occasions to provide input concerning how pesticides are distributed and what the regulatory framework should be like, contributing to the successful adoption of GS1 Standard to the sector
- Following the announcement, a session was organized for local pesticide vendors on how to use GS1 Standard barcodes. Such a session will also be offered in 2021 on a quarterly basis
- Continuous support for the Administration in making policies to make pesticide distribution more efficient (in the form of discussions, advise or others)

Marketplace

- Cooperation with a global online retailer with a view to its adoption of GS1 Standard and support for our members' international expansion

► In cooperation with GS1, Amazon recommends at a global level that its sellers provide GTINs when listing their products. GS1 Korea has been working with Amazon Korea since 2015 to offer training on GS1 Standard at sessions for its merchants on how to start business with the retailer

- Training on GS1 Standard was offered at sessions for sellers on how to start business with Amazon (6 counts, attended by 467 companies)
- Help Desk is offered for Amazon sellers to support their use of GTIN
- A session was offered on how to enter the online market in South East Asia ('Lazada') (attended by 87 companies)



Smart City

- **Support for a GS1 Standard based smart city project conducted on a pilot basis (by KAIST)**

① Support for the implementation of a national, strategic smart city project

- ▶ **Sponsored by the Ministry of Land, Infrastructure and Transport and the Ministry of Science and ICT**
- ▶ **The goal is to develop a Korea-specific smart city data hub model based on GS1 Standards**
 - * **Integrated system for urban data management that collects data from urban infrastructure installations and people for conversion into useful information**
- ▶ **A total of 115.9 billion won (USD 1 billion) will be invested over five years from 2018 to 2022**

② Support for a pilot project to bring the address system to a higher level

- ▶ **Sponsored by the Ministry of Public Administration and Security**
- ▶ **The goal is to make the current address system more sophisticated by allocating GS1 identification numbers to location data (addresses) with a view to enabling highly quality public services including autonomous parking and delivery by drones & droids through combination between GS1 ID numbers and IoT, big data and other emerging technologies.**

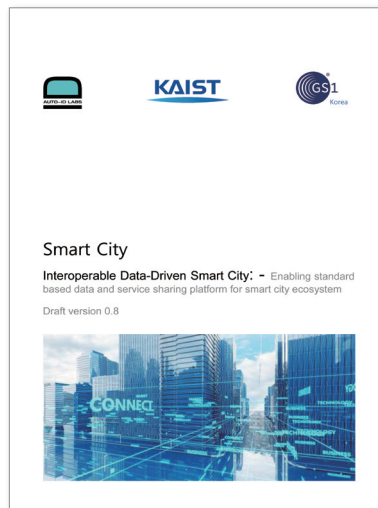
Smart City

- **Participation in GS1 Asia-Pacific Smart City Working Group**

- Activities include attending its quarterly meetings and being updated on smart city projects going on in other GS1 regions including Europe

- **Planning to communicate what is going on with Korea's smart city initiative**

- A smart city position paper was prepared in collaboration with the KAIST for sharing with the GS1 community
- Korea's experiences were shared at GS1 meetings (including Global Forum in Feb)



Education & Training



Education & Training

- **Basic Barcode Training**

- The goal is to provide new member companies with training on barcode creation and attachment
- Offered twice a month. In 2020, online sessions were offered as well due to the COVID-19 pandemic

- **GS1 Korea Academy**

- Advanced program to educate our members how GS1 Standards can be utilized to implement Supply Chain Management
- Offered on a quarterly basis. In 2020, online sessions were offered as well



- ▶ **Advanced training on GS1 Standard System**
- ▶ **Training on the GS1 Digital Link solution and how to use it**
- ▶ **Training on how GS1 Standard can be used by SMEs to innovate their logistics systems**
- ▶ **Sessions for merchants of hypermarkets on how to use GS1 barcodes**

Participation in GS1 Asia-Pacific Regional Projects

- **GS1 Asia-Pacific Steering Committee**

- Monthly meetings to discuss key issues and make decisions

* Members of GS1 AP Steering Committee : China, Australia, Hong Kong, Japan, NZ, India, Singapore, Malaysia, Philippines, Korea

- **GS1 Asia-Pacific Regional Projects**

- GS1 Asia-Pacific Customs & Cross-Border Trade Project
- GS1 Asia-Pacific Unauthorized Barcodes Project
- GS1 Asia-Pacific Smart City Project
- GS1 Innovation Project

- **Creation and operation of a consortium embracing industry, academia and research community under the auspices of Auto-ID Labs, KAIST**

- The purpose is to help develop GS1 Standard-based digital innovation solutions in the era of digital transformation and provide impetus for joint projects
- Participants include representatives from smart city, smart factory, healthcare and/or big data companies and research labs, KAIST and GS1 Korea

Retail & Logistics Community Activities

- **Retail Committee and Logistics Committee meetings (quarterly)**

- Retail Committee meeting
 - * Discussed what to do about new normal in the retail sector in the post COVID-19 era (Jun 30)
- Logistics Committee meeting
 - * Discussed what to do to help the logistics sector see more startups grow (May 27, Nov. 6)
 - * Was updated on the government (MOLTE) logistics policy and conveyed input from the industry (Nov 20)

- **Secretariat to the Korea Retailers Association (KRA)**

- Acted as a member of the Federation of Asia-Pacific Retailers Associations (FAPRA)
- Participated in FAPRA Executive Director (ED) meeting (Jul 14)
- Participated in FAPRA Head of Delegation (HOD) Meeting (Dec 4)
- Interacted with other countries Retail Associations

| Retail Committee |



| HOD Meeting 2020 (virtual) |



Events & Publications



Events

• Seminars & Conferences (annual)

- Seminar on Retail Outlook in 2021 (Nov 26)
- Conference on IT Strategies in Retail and Logistics (Dec 10)
- Conference on New Trends and Innovative Growth in Retail (Jul 21)
- Forum on Innovation in Legal Framework and Manufacturing in Retail
- Seminar on International Expansion in Retail (Dec 15)
- Dialogue with Retail Business CEOs, Conversation on New Technologies in Retail (Dec 15)

• Retail Industry Promotion Events (annual)

- Korea Sale FESTA (Nov 1~15)
- Korea Retail Award (Dec 15)

| Conference on IT Strategies in Retail and Logistics |



| Forum on Innovation in Legal Framework and Manufacturing in Retail |



| Online opening of the Korea Sale Festa |



| Media coverage of the winners of the Korea Retail Award |



Publications

• GS1 Information Series

- GS1 Digital Link Implementation Guideline
- GS1 Digital Link Brochure
- UDI System under the EU medical devices Regulation
- Global Model Number (GMN)
- GS1 Web URI Structure Standard
- GS1 Web Vocabulary Standard



• Retail & Logistics Research Papers

- Changes in the Retail Sector: Today and Tomorrow
- A Survey of Structural Changes in Online Retail
- Franchise Survey
- A Study on How to Make Logistics more Efficient and Support its International Expansion
- Retail & Logistics Industry Statistics



References : Retail Statistics



1. Distribution of GDP Across Economic Sectors

(Unit : Million KRW)

Industry Description	2017		2018		2019	
	Amount	Ratio	Amount	Ratio	Amount	Ratio
Agriculture, Forestry and Fisheries	32,059.8	2.0	32,109.2	1.9	32,859.2	1.9
Mining	2,204.5	0.1	2,041.6	0.1	1,867.6	0.1
Manufacturing	468,070.3	29.0	483,530.2	29.1	489,612.8	28.8
Electricity, Gas and Water Supply	43,813.8	2.7	43,082.6	2.6	44,921.8	2.6
Construction	94,368.5	5.8	91,740.9	5.5	89,484.1	5.3
Retail and Wholesale Industries	129,378.0	8.0	132,619.9	8.0	134,113.2	7.9
Food Service and Accommodations	38,389.5	2.4	39,925.7	2.4	40,312.6	2.4
Transportation and Warehousing	60,289.1	3.7	62,521.7	3.8	62,746.9	3.7
Financial and Insurance Activities	93,709.2	5.8	98,999.6	6.0	103,386.2	6.1
Real Estate Activities, Renting and Leasing	129,307.2	8.0	133,422.5	8.0	136,593.8	8.0
Information and Communications	75,814.3	4.7	79,245.6	4.8	82,473.3	4.9
Business Services	147,949.8	9.2	153,604.6	9.2	157,790.8	9.3
Public Administration and Defense	100,722.8	6.2	104,100.5	6.3	108,219.5	6.4
Education	84,806.1	5.3	86,222.9	5.2	87,493.6	5.2
Human Health and Social Work Activities	72,330.1	4.5	78,267.5	4.7	85,046.7	5.0
Cultural and Other Services	40,495.8	2.5	41,604.3	2.5	41,709.1	2.5
Gross Value Added by Economic Activity (at Basic Prices)	1,613,713.1	91.6	1,663,057.0	91.8	1,698,258.5	91.8
Taxes Less Subsidies on Product	147,105.4	8.4	149,011.6	8.2	150,812.7	8.2
GDP (at Market Prices)	1,760,811.5	100.0	1,812,005.4	100.0	1,848,958.5	100.0

* Source : Statistics Korea

2. Revenue Trend in Wholesale and Retail Industries

(Unit : Million KRW)

By Industry		2014	2015	2016	2017	2018
Whole of Wholesale and Retail Industries		920,173,258	1,112,296,499	1,150,024,399	1,233,441,824	1,281,922,863
Description	Sale of Motor Vehicles and Parts	70,167,234	80,197,257	78,392,266	81,803,131	85,617,538
	Transportation and Warehousing	540,744,410	693,113,907	709,562,725	770,079,776	795,093,553
	Retail Industry (Excluding Motor Vehicles)	309,261,615	338,985,335	362,069,408	381,558,917	401,211,772

* Source : Statistics Korea

3. Retail Industry by Product Category (as of 2018)

By Product Category	No. of Businesses	No. of Employees	Revenue (Million KRW)	Operating Expenses (Million KRW)	Cost of Sales (Million KRW)
Whole of Retail Industry (Excluding Motor Vehicles, Fuel)	657,523	1,764,001	343,957,661	326,301,409	223,418,872
General	112,189	493,001	132,908,250	127,545,269	91,101,887
Food, Beverage and Tobacco	106,837	202,003	24,989,717	23,182,803	18,312,834
Information and Communications Equipment	38,617	97,620	32,643,692	31,560,779	20,413,074
Textile, Apparel, Footwear and Leather Goods	157,908	302,377	37,972,566	34,749,585	19,419,701
Other Household Goods	54,506	101,696	13,639,907	12,633,490	9,284,328
Cultural, Entertainment and Recreation Goods	30,208	60,923	9,390,366	8,827,138	6,355,425
Other Specialized Goods	125,872	272,699	45,831,213	42,258,888	30,644,713
Non-Store Retail Sale	31,386	233,682	46,581,950	45,543,457	27,886,910

* Source : Statistics Korea

4. Annual Turnover Trend in Major Retail Industries

(Unit : Million KRW)

By Industry Type	2017	2018	2019
Total	440,288,001	465,004,922	473,161,650
Motor Vehicles and Automotive Fuel Store	94,508,088	101,552,456	100,646,290
Total (excluding Motor Vehicles and Automotive Fuel Store)	345,779,916	363,452,466	372,515,361
Department Store	29,324,217	29,967,537	30,386,424
Hypermarket	33,798,158	33,453,685	32,424,643
Duty-free shop	14,465,845	18,960,170	24,858,610
Supermarket	45,592,914	46,457,102	44,178,237
Convenience Store	22,237,893	24,406,536	25,691,628
Specialty Store	139,120,197	139,884,444	135,393,433
Non-Store Retails	61,240,692	70,322,992	79,582,386

* Source : Retail Sales Statistics (at Current Prices), Statistics Korea,

* Specialty Store : Offline retail shop that caters to a specific retail market

* Non-Store Retails : Retail Sales based on internet shopping, home shopping, door-to-door sales and delivery operations.

5. Number of Stores and Revenue of Top Retailers (as of 2019)

1) Hypermarket

Description	Number of Stores	Revenue (Million KRW)
E-Mart	158	13,154,820
Homeplus	141	7,300,158
Lotte Mart	117	9,695,325

* Source : Electronic Disclosure System

2) Department Store

Description	Number of Stores	Revenue (Million KRW)
Lotte	64	9,695,325
Hyundai	15	1,385,243
Shinseggye	12	1,557,606

* Source : Electronic Disclosure System

5. Number of Stores and Revenue of Top Retailers (as of 2019)

3) Supermarket

Description	Number of Stores	Revenue (Million KRW)
Hanaro Mart	2,420	3,119,532
Lotte Super	464	1,861,162
Homeplus express	334	7,300,158

* Source : Electronic Disclosure System

4) Convenience Store

Description	Number of Stores	Revenue (Million KRW)
CU	14,245	5,943,404
GS25	14,146	8,621,105
7-Eleven	9,265	4,020,535

* Source : Electronic Disclosure System



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