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# Aging Virtual Regional Conference :Future Proofing Aged Care

Co-hosted by Asian Development Bank and Research Center for Aging at Beijing Normal University



## Active Aging Society in Korea

**Director, Dong-Hee Han (Ph.D)**



**Research Institute of Science for the Better Living of the Elderly  
Busan, Korea**

**[www.wellageing.com](http://www.wellageing.com)  
[dongheeh@gmail.com](mailto:dongheeh@gmail.com)**

# Busan City



# Research Institute of Science for the Better Living of the Elderly (RISBLE)

- Founded 1997
- Developing Programs & Action Research
  - **Programs Preventing Elder Abuse**  
(Social Drama, International Networks)
  - **Digital Aging & Active Aging**  
(Internet Navigator, Cyber Family, ToT program  
Bridge of Digital Divide for Old Person)
  - **Wellageing Aids**  
(CEP programs, Prevention Dementia,  
Promoting Narrative Skill)



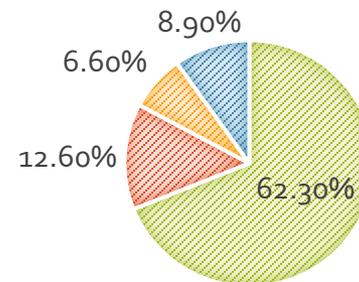
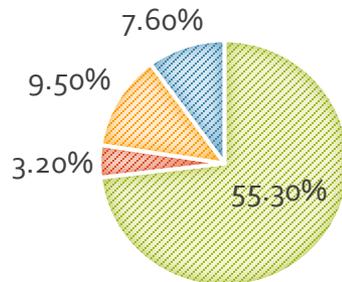
# Aging in Asia(over 65)

2015

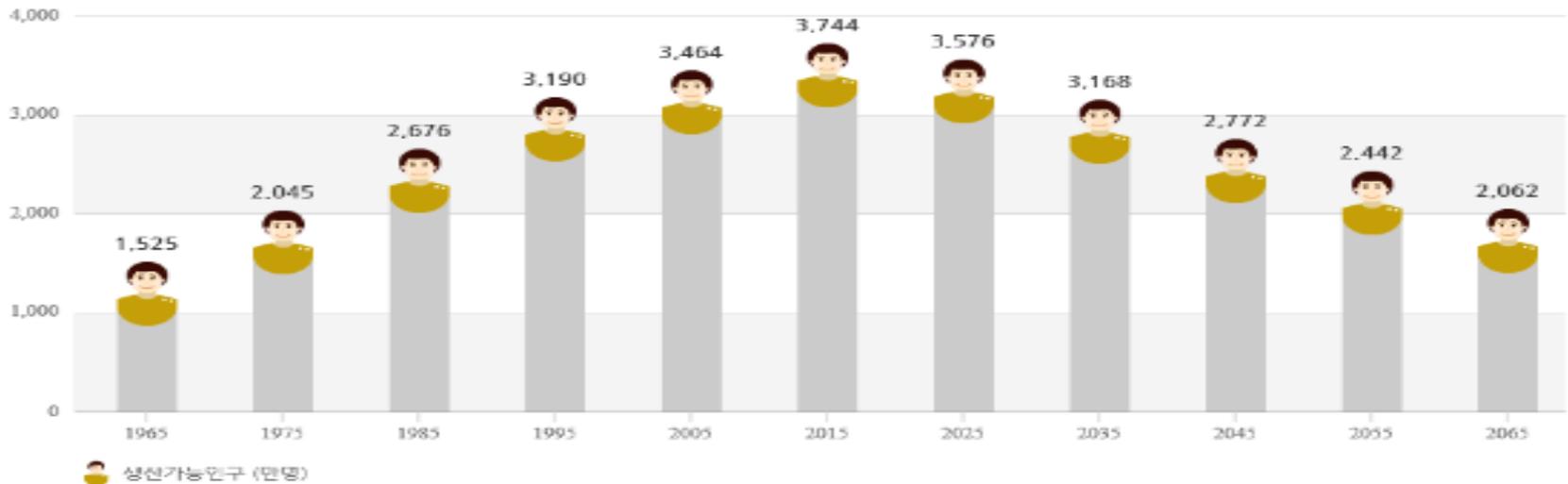
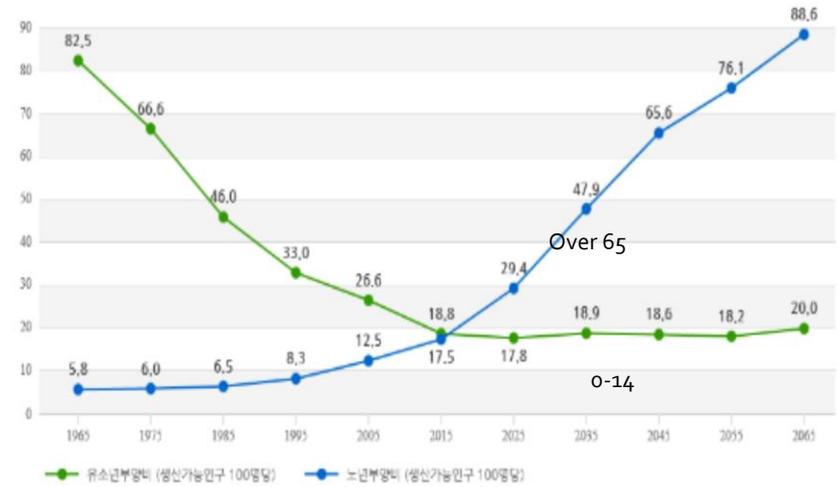
2050

- Asia
- EU
- North America /Oceania
- Latin America

- Asia
- EU
- North America/Oceania
- Latin America

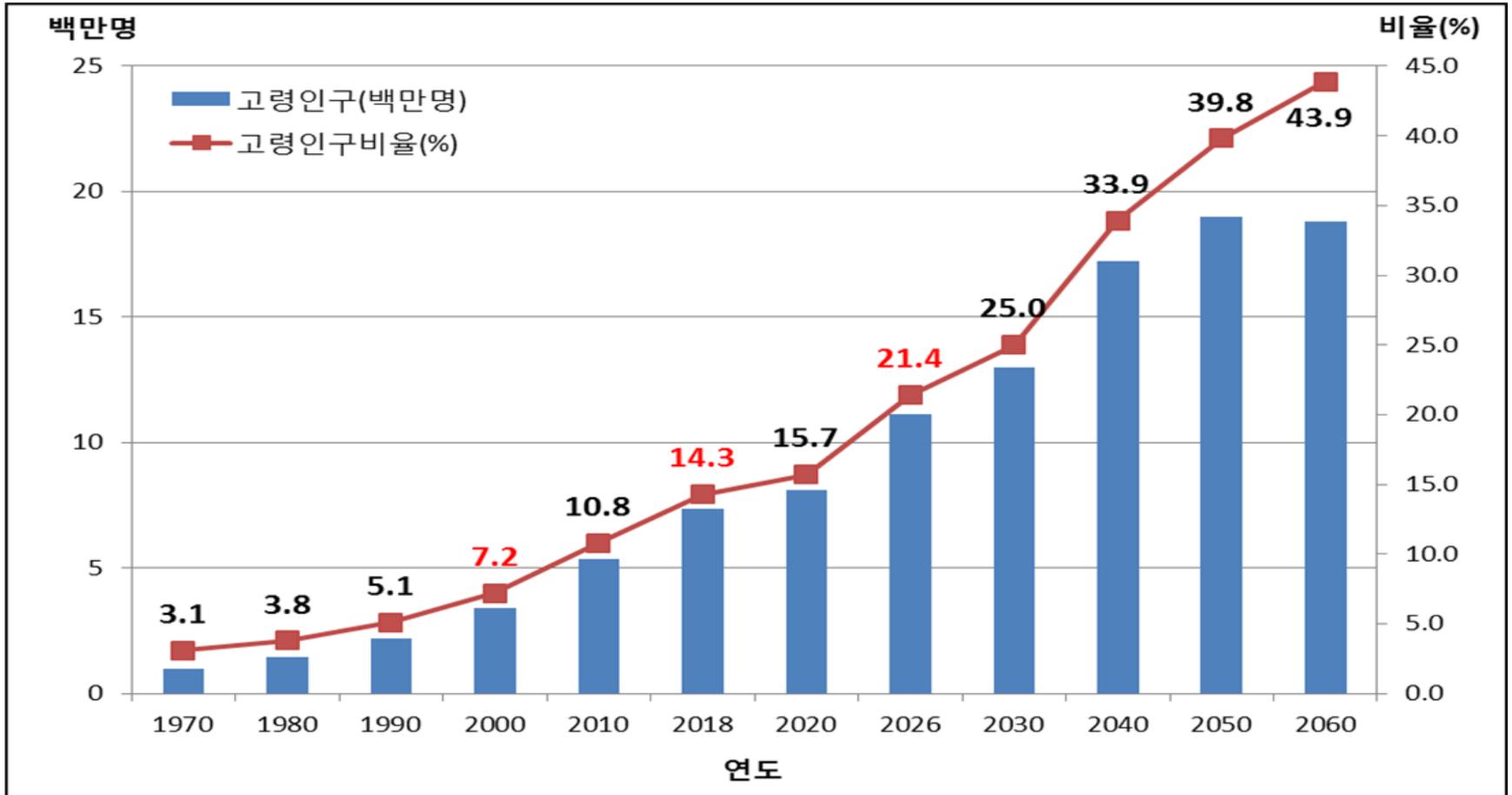


# Population Aging in Korea



Working age population(15-64)

# Super Aged Society

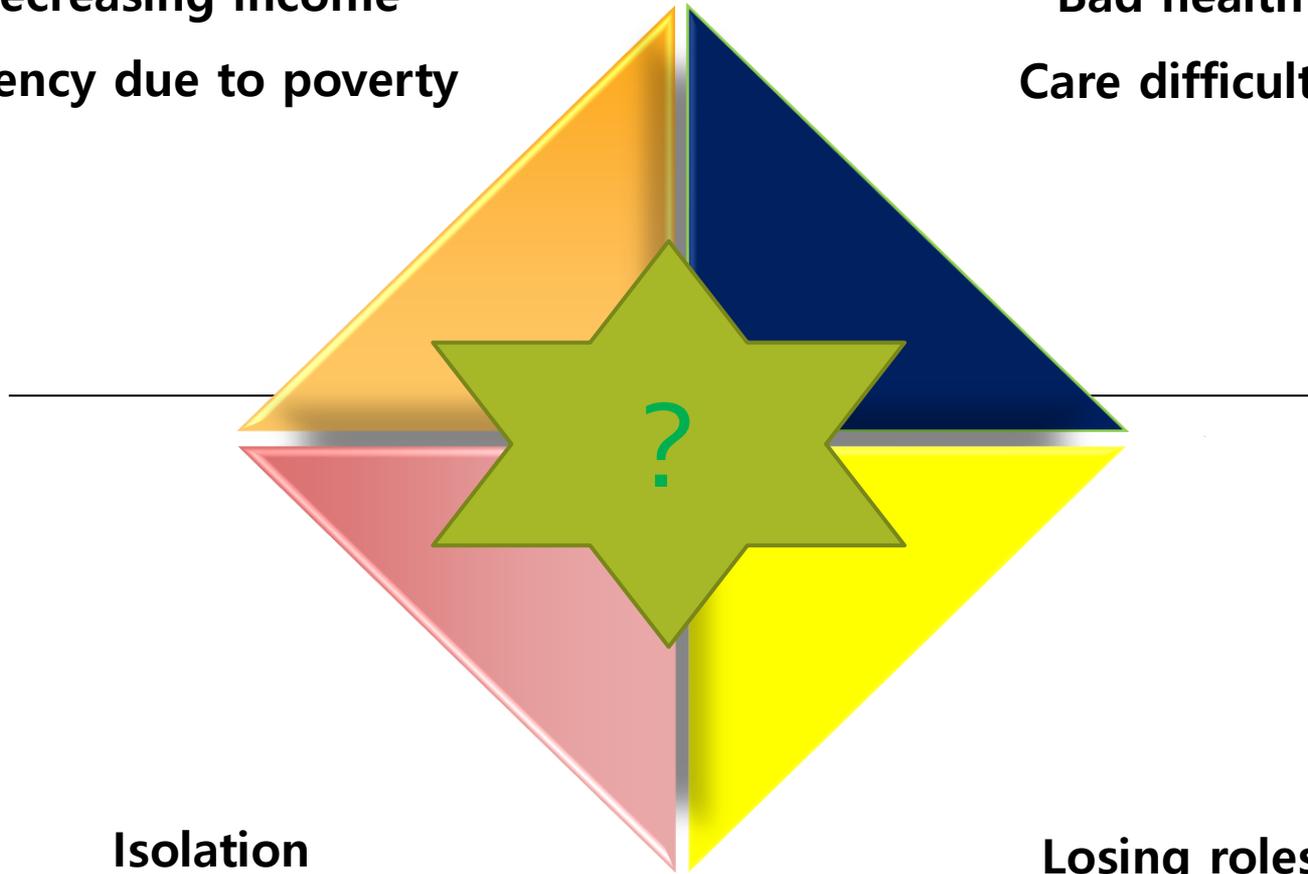


Resources: National Statistic, 2019

# Why we need innovation & active aging approaches

**Decreasing income**  
**Decency due to poverty**

**Bad health**  
**Care difficulty**



**Isolation**

**Losing roles**



Ageism is a global phenomenon, which has serious consequences for individuals and society at large. According to the UN Global Report on Ageism, half of the world's population is ageist against older persons.

@RISBL

E

노인생활과학연구소 자료



# Active Aging in Korea

- **50+**

(The 50+ generation, society's new opportunity as social capital, a new image of the elderly to the society that transcends all generations)

- **60+ Korean Labor Force Development Institute for the Aged**

(Providing government assistance for senior working groups to cover part of labor costs and to increase their business, profits-manpower dispatch, senior internship, age friendly enterprises, enterprise related employment, development support center)

- **Elderly Welfare Centers**

(Community center for old persons, lifelong learning, various activities both community and themselves – over 302 centers)

- **Life-Long Learning Programs**

- Age friendly College

- Active aging College

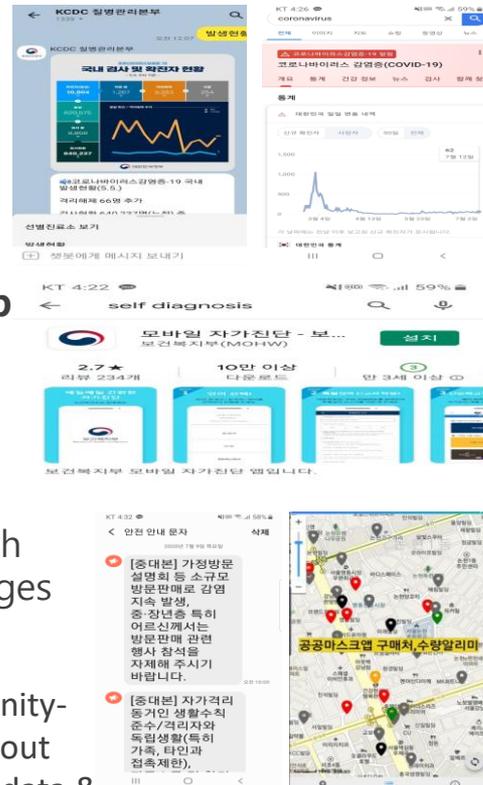
# Health Aging in Korea

- Community Medical Centers
- Dementia center“ Yansim Center”
- National Health Insurance Services
  - Prevention of disease programs
- Long term care facilities
- Health Promotion Programs for the Elderly
- Community Care(Integrated Care Model)

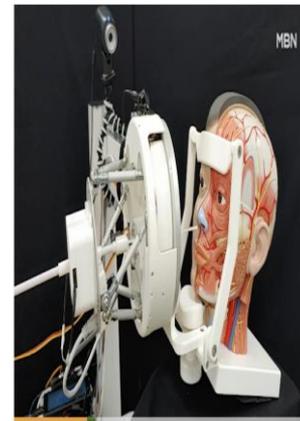
# Innovative approaches and Technologies in COVID19

## Various Apps

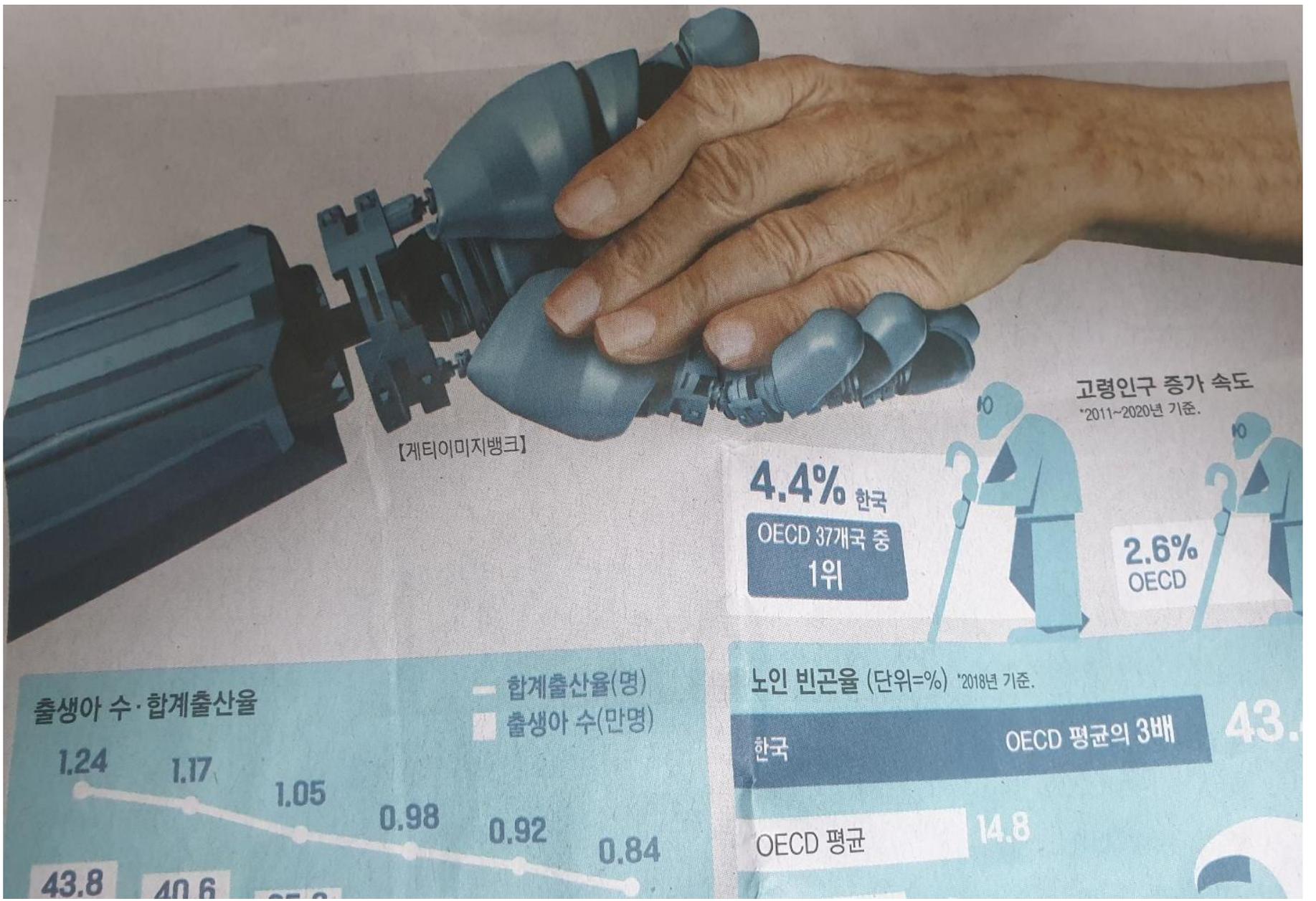
- 1 Information of COVID-19
- 2 Self-diagnosis App
- 3 Information on each people's text messages from government
  - Pharmacy in community-Delivered Mask without cornering –with Big data & AI



## Robot



<https://www.bing.com/videos/search?q=sk+%eb%a1%9c%eb%b4%87&docid=608027434688709197&mid=BB5122043B378FFF265ABB5122043B378FFF265A&view=detail&FORM=VIRE>  
<https://www.mbn.co.kr/news/economy/4194263>



【게티이미지뱅크】

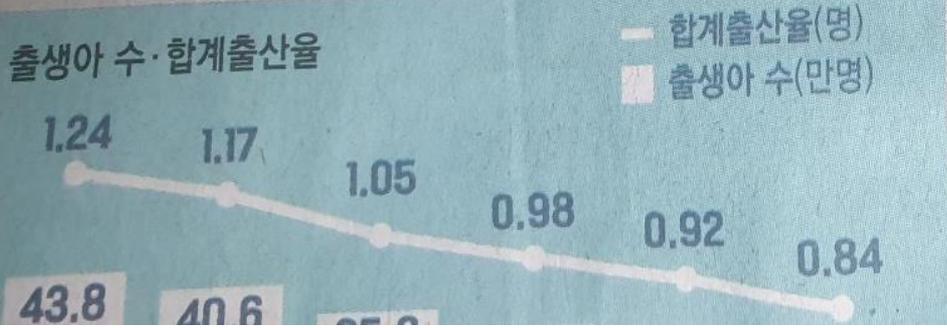
고령인구 증가 속도  
\*2011~2020년 기준.

**4.4%** 한국  
OECD 37개국 중  
**1위**

**2.6%**  
OECD



출생아 수·합계출산율



노인 빈곤율 (단위=%) \*2018년 기준.





**United Nations**

Department of  
Economic and  
Social Affairs



**United Nations**  
Office of the Secretary-General's  
Envoy on Technology



**UNITED NATIONS INTERNATIONAL  
DAY OF OLDER PERSONS 2021**

**OCTOBER**  
1, 2021

**10:00-11:30**  
EDT

**DIGITAL EQUITY  
FOR ALL AGES**

**ONLINE**  
New York, NY  
**REGISTER TODAY**



## 20th Informal ASEM Seminar on Human Rights - Training

# Human Rights of Older Persons

October - November 2021 | Online



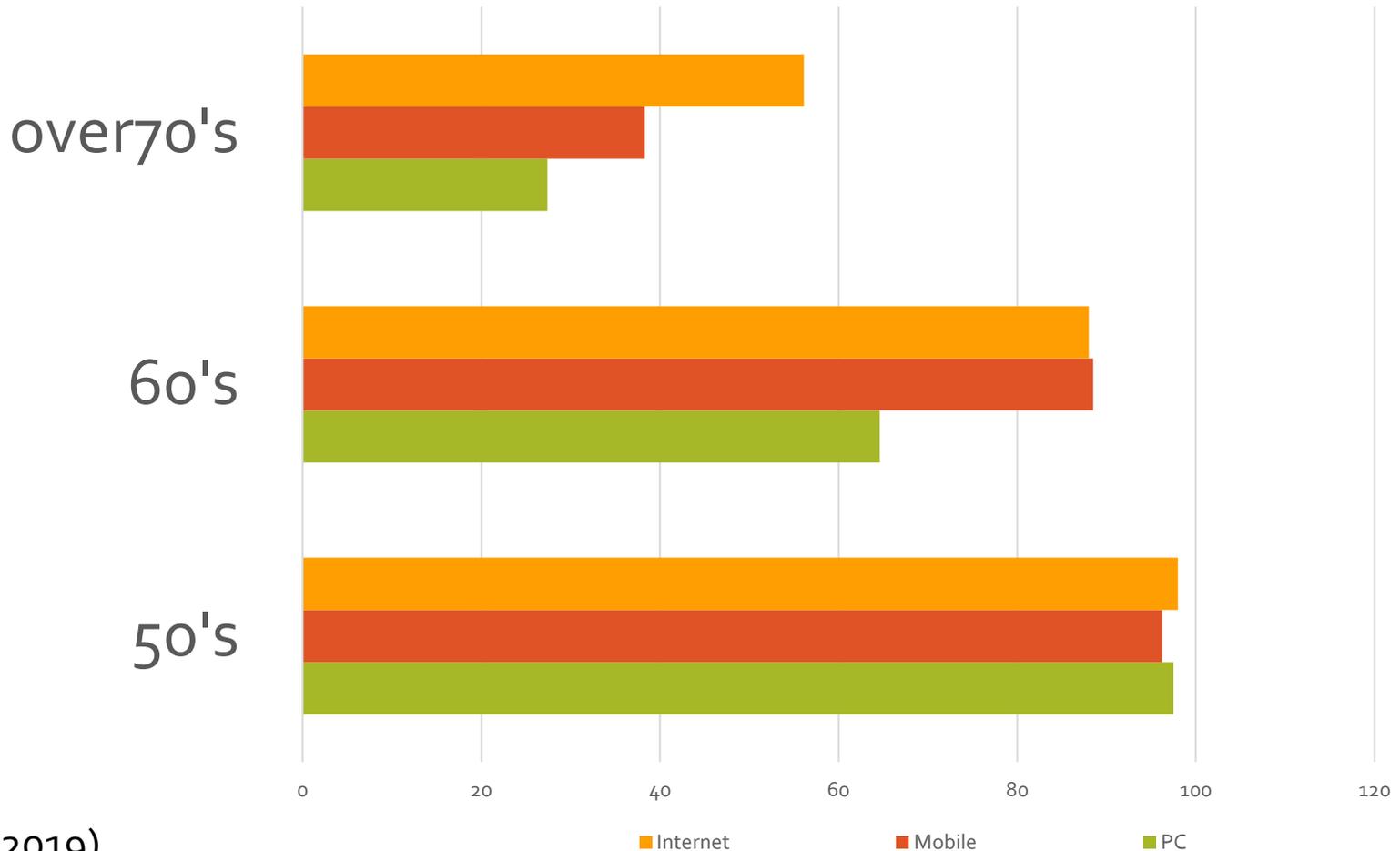
# Digital Aging

- **Bridge Digital Divide,**
- **Innovative Health Care System,**
- **Support Vulnerable Life System, Digital Leisure, New Education System, Digital Culture, New Family Solidarity, Serious Game, Safety and Security**

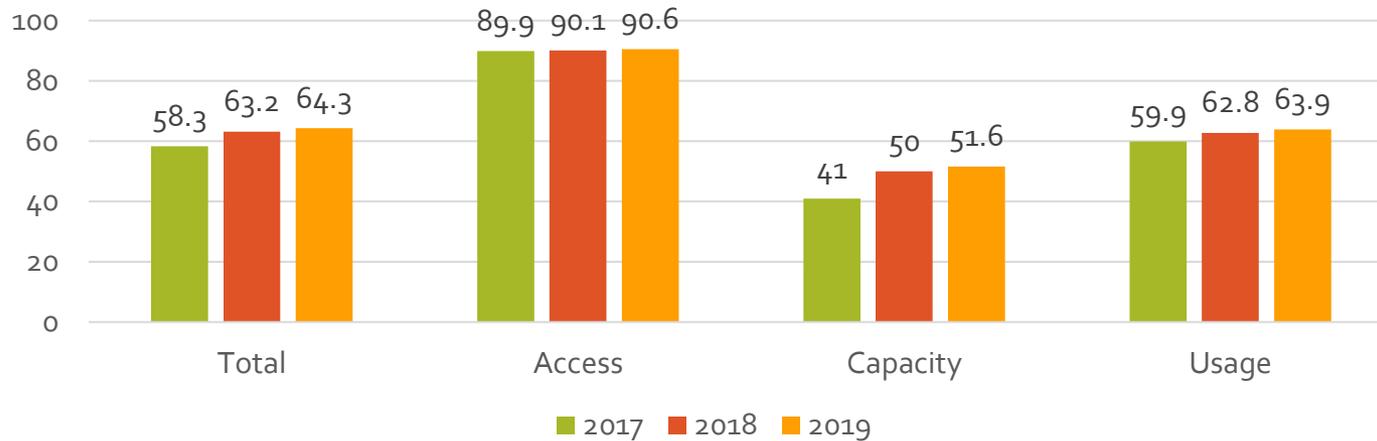
**1997-2014** By Computers, Internet, Mobile telephones, Digital cameras and Digital TV etc.

**2015-Now** by AI, IOT, Big data, Robot, Medical robot, Drone, 3D Printing, Smart TV, Smart housing, Smart city, Kiosk, E-commerce(Mobile shopping, Mobile banking, Electronic money)

# Internet, Mobile, PC Users according to ages(50, 60, 70)in Korea



# Digital divide for old persons in Korea

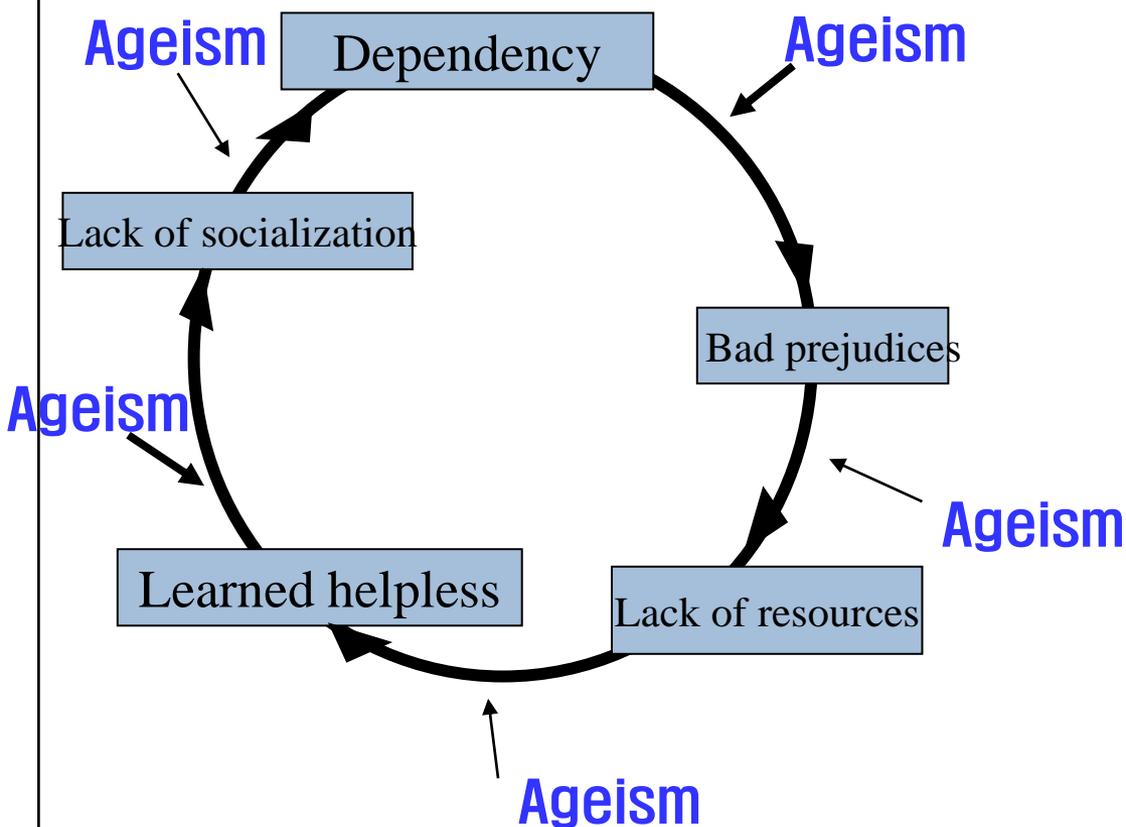


Access: rate of having smart phone , PC, internet

Capacity: ability to use

Usage: usage of various and intensive services

## Ageism



## New Aging

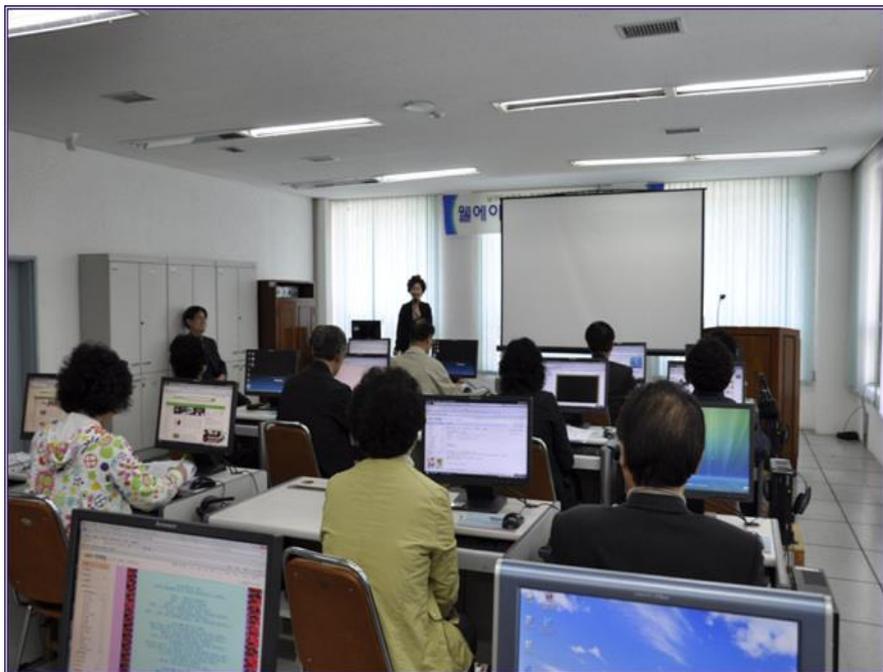


**Digital Aging**  
**Wellageing Aids**

# Digital Aging in RISBLE



# Internet Navigator





간이 늘어나서 두 줄도 입력한 경우

간이 2004 2005년 1월 1일 이후  
간이 2004 2005년 1월 1일 이후  
간이 2004 2005년 1월 1일 이후

# Digital Camera Supporters



# Cyber Neighbor





- > 노년기 특징
- > 노년기의 생리적 특징
- > 노년기 영양의 특징
- > 건강한 노년을 위한 식생활
- > 건강요리코너
- > 전문가 코너
- > 식생활을 위한 궁금증



+ 확대 - 축소 통합검색 통합검색  검색

[홈](#) > [의료,건강](#) > [노년기 식생활](#) > [노년기 특징](#) > [노년기의 생리적 특징](#)

### 노년기의 생리적 특징

- 신체적 변화
- 생리적 변화

#### 신체적 변화



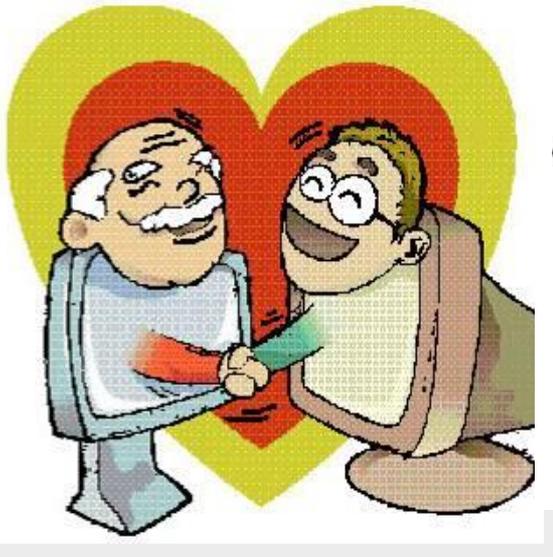
신체 부위	증상	어떻게 해 보세요
뇌	기억력 감퇴	호두, 잣 등의 견과류와 고등어 같은 등푸른 생선을 많이 먹습니다. 메모하는 습관이 많은 도움이 됩니다.
시력	약화 백내장, 녹내장	육류보다는 생선, 당근과 녹황색 채소가 노년기의 눈 건강에 도움이 됩니다.
피부	주름 검붉어짐	피부건강에 제일 중요한 것은 수분입니다. 물을 충분히 마시고, 단백질 식품과 비타민C를 꾸준히 먹습니다. 외출할 때는 지나친 햇볕을 피하는 것도 좋습니다.
입	미각 약화 혀 분비 감소 치아 약화	노년기에 들어서면 맛에 둔감해지고 소화력이 약해지기 마련입니다. 음식 간은 입맛에 맞춰 되도록 싱겁게 하고 육류처럼 씹기 어려운 식품은 잘게 자르거나 갈아서 먹는 것도 좋은 방법입니다.
심장	심장 박동수 저하	심장을 둘러싼 근육의 힘이 약해지기 때문입니다. 단백질 식품을 충분히 섭취하는 것이 좋습니다.
혈압	혈압 상승	무리한 운동은 오히려 건강을 해칠 수 있습니다. 지나치게 맵고 짠 음식도 피해야 합니다.

- 바로가기
- 도움이센터
- 나의도움나라
- 위로이동

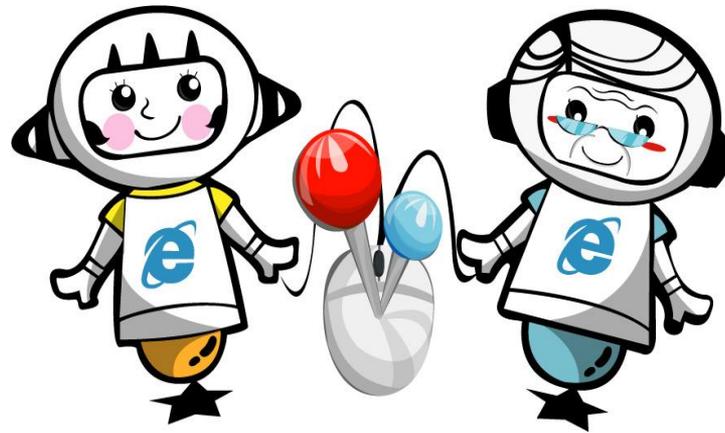


# New culture for old person with Digital Life

Cyber Neighbor



1080 Cyber Game



Cyber Family



# Opportunities -----> Better Life for Old Persons



우리끼리, BAND



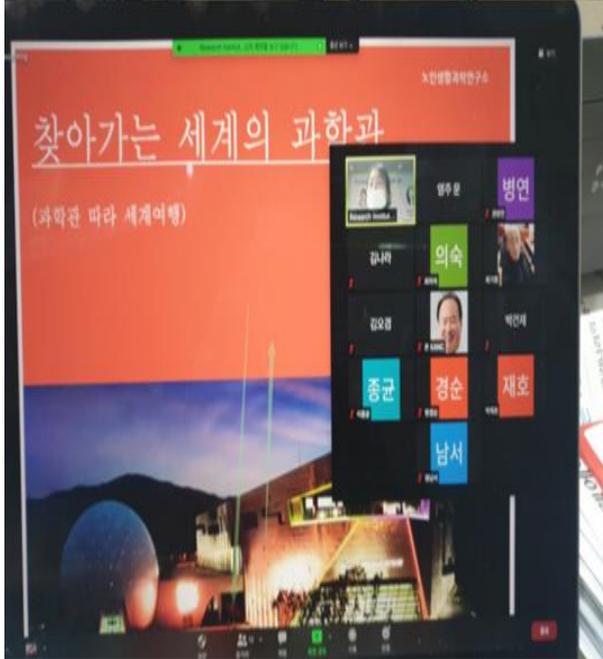
- 이메일로 로그인
- 네이버 로그인
- Facebook으로 로그인
- 휴대폰 번호로 로그인

앱에서 등록된 아이디로 로그인하실 수 있습니다. 아이디 등록방법 >  
아직 밴드 회원이 아니신가요? 회원가입 >



# Intergenerational Approach





Telecare (3세대) : 생활용 건강 예측

케어 프래딕트(Care Predict)

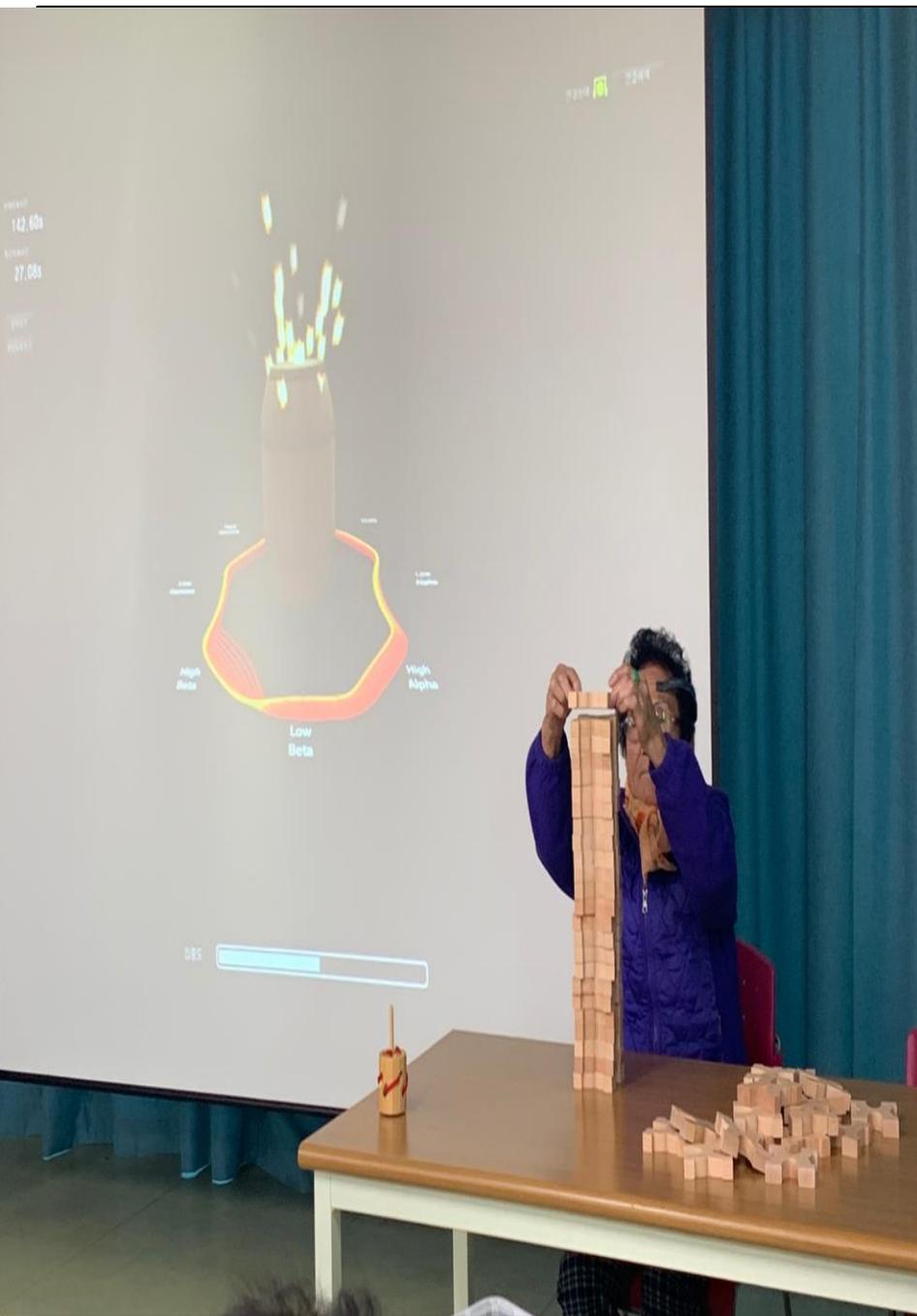
- 생활 활동, 시니어의 활동을 모니터링하여 위험을 예측하고, 예방적 돌봄 제공
- 시계와 같이 생긴 이 기기는 시니어의 행동 기록을 24시간 수집하여 위험변동을 예측하거나 잠재적 위험을 미리 돌봄 제공자에게 제공

87

# Evidence-based Brain Fitness by RISBLE Program

(Supported by Korean Foundation for the Advancement of Science & Creativity)





# New job with skills



## 부산여성회관

멤버 2 · 초대

밴드 소개 설정 >

밴드와 게시글이 공개되지 않습니다.  
초대를 통해서만 가입할 수 있습니다.

밴드 설정

주제: 노인교구 단계별 접근, 프로그램 구성 /저석숫한글이야기  
-이론 수업내용  
...더보기



부산여성회관  
밴드 전체 멤버들과 함께 하는 ...

파일 더보기

2020년 3기 교육계획서\_노인...  
원글 보기

2020년 2기 교육계획서\_노인...  
원글 보기

최근 사진 더보기



# Efforts on Digital Inclusion in Korea

## Digital Paradigm Shifts

/ Digital transformation

- AI-based welfare policies
- Industrial policies
- Education policies

- Smart home and change in lifestyle
- Evolution of healthcare Services
- Lifelong education
- AI-powered personalized services
- AI and changes job
- Innovation in life in the mobile only era
- Intelligent transport system

# Digital Aging/ Digital Culture

Interaction

Continuous  
Social  
Participation

Heath Promotion

Keeping  
Dignity and  
Respect

Destroy Isolation

Narrative skill

Intergenerational Integration

Information

Social Activities

Inclusive life

Workforce

Health Promotion

Building smart aging  
, Challenge Dementia

AI, IOT, Robot  
Digital System, Serious Game,  
Brain training

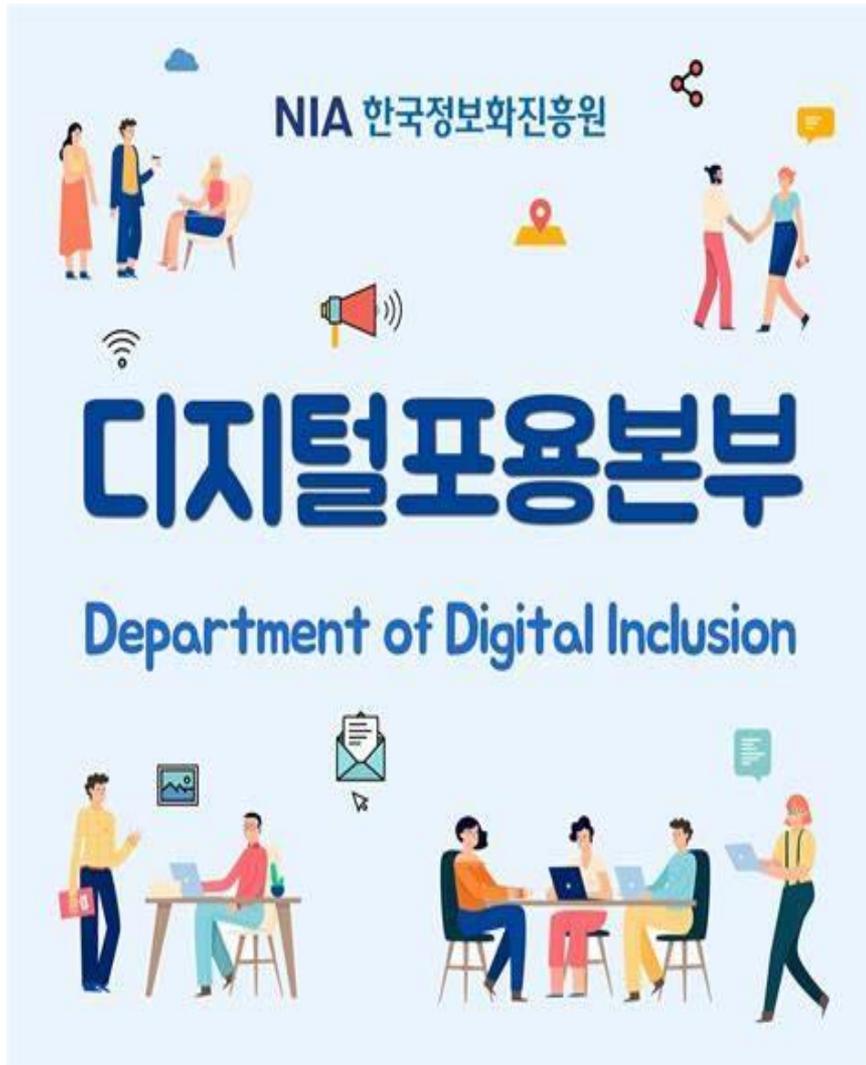
Human Equality

Destroy Agism

Ethic issues



**Active Aging Consortium in Asia Pacific**



[https://eng.nia.or.kr/site/nia\\_eng/main.do](https://eng.nia.or.kr/site/nia_eng/main.do)



PRE-CONFERENCE  
ISG 2022 DAEGU KOREA

Gerontechnology for all

# IGEF 2021

2021 국제제론테크놀로지  
엑스포&포럼  
International Gerontechnology  
Expo & Forum 2021

2021. 11. 10 ~ 11

EXCO 325호 / 대구마이스 버추얼 타운  
On-Offline Live, METAVERSE, Daegu MICE Virtual Town

코로나 시대 건강한 노년생활을 위한  
제론테크놀로지 국제 동향  
Gerontechnology for Healthy Aging  
in the COVID-19 Era: A Global Perspective

“모두의 삶을 위한 기술”



주최기관  
KAPASS 2021 안전문화포럼  
KHOI 2021 노인대학 축제  
ISG2022 명예회원  
KHOI 2021 노인대학 축제  
SSN 한국사위복지협의회  
KHOI 2021 노인대학 축제  
KHOI 2021 노인대학 축제  
KHOI 2021 노인대학 축제

후원기관  
보건복지부  
dcvb  
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보건복지부  
국회도서관

홈 / 후원문의 KAPASS.org Gerontechnology.kr

ISG2022 Daegu, Korea

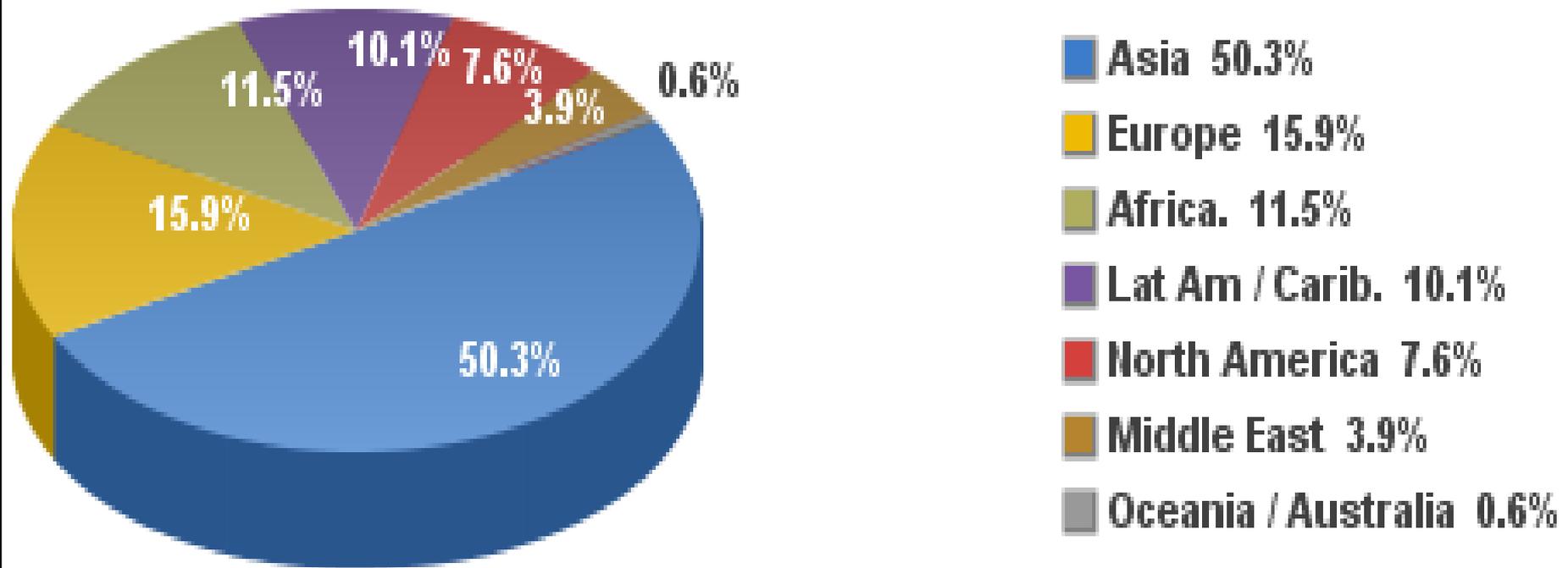
Home VENUE TOUR ISG KAPASS



WELCOME TO ISG2022

13th World Conference of  
Gerontechnology

# Internet Users Distribution in the World - 2020 Q1



Source: Internet World Stats - [www.internetworldstats.com/stats.htm](http://www.internetworldstats.com/stats.htm)

Basis: 4,574,150,134 Internet users in March 3, 2020

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Moving Forward  
Digital Aging Innovation

Let's Share Ideas on Digital Aging for Better Life  
Thank you!!! 감사합니다