# [Appendix]

Survey Design for People with Developmental Disabilities: Focusing on the Survey on the Work & Life of Persons with Developmental Disabilities in Korea

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# [PPT #6] Background of the survey

Note: Ratio (%) = (Cases in age group ÷ Total number of disabilities in the same age group) × 100

Source: National Register of People with Disabilities, Ministry of Health and Welfare, 2023

## Supplementary information:

1. Number of Persons with Developmental Disabilities
	1. (2013) 196,999 people, 7.9%
		* Intellectual Disability 178,866 people, 7.2%
		* Autism Spectrum disorder: 18,133 people, 0.7%
	2. (2023) 272,243 people, 10.3%
		* Intellectual Disability 229,511 people, 8.7%
		* Autism Spectrum disorder: 42,732 people, 1.6%
2. Number of Persons with Developmental Disabilities aged **≤ 29 years**
	1. (2013) Total: 101,711 people, 56.3%
		* Intellectual Disability: 84,255 people, 46.6%
		* Autism Spectrum disorder: 17,456 people, 9.7%
	2. (2023) Total: 133,757 people, 69.3%
		* Intellectual Disability: 96,612 people, 50.0%
		* Autism Spectrum disorder: 37,145 people, 19.2%

# [PPT #15] Methods for Direct Surveys of PwDD

## Supplementary information:

We collect responses directly from individuals with developmental disabilities who can express their opinions. For those in the 'Ineligible Group' who cannot participate, caregivers provide proxy responses. This survey includes three different types of questionnaires to accommodate individuals with varying levels of participation ability.

(Caregivers) Do you want [PwDD] to work?

(Proxy responses from Caregivers) In your opinion, does [PwDD] want to work?

(PwDD) Do you want to work?

# [PPT #23] Assessing the Reliability of PwDD Survey Data

Source: 2023 Survey on the Work and Life of Persons with developmental disabilities, KEAD, 2024

## Supplementary information:

In the 2023 survey, not only 3,000 caregivers but also 2,061 individuals with developmental disabilities participated.

In this process, all 3,000 individuals with developmental disabilities were screened, and most of them proceeded with the survey. Finally, the sample of 1,753 respondents was selected after verifying the reliability of the responses.

## Participant Screening and Final Sample Overview (2023)

(unit: people, %)

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Screened sample** | **Participating Sample** | **Analyzed Sample** |
| **Plain Language Group** | 999 (33.3%) | 994 (48.2%) | 992 (56.2%) |
| **Easy to Read group** | 798 (26.6%) | 769 (37.3% | 761 (43.4% |
| **Graphic Symbols Group** | 326 (10.9% | 298 (14.5%) | - |
| **Ineligible Group** | 877 (29.2% | - | - |
| **Total** | 3,000 (100.0%) | 2,061 (100.0%) | 1,753 (100.0%) |

# [PPT #24] Survey Category - Caregivers

Source: 2023 Survey on the Work and Life of Persons with developmental disabilities, KEAD, 2024

## Survey categories and items - Caregiver

| **Category** | **Survey Items** |
| --- | --- |
| **A. Personal & Disability info** | * Respondent information: Relationship with the person with developmental disabilities, Co-residence status
* Personal information: Gender, Age, Marital status
* Disability information: Primary disability type, Disability grade (before abolition of the grading system), Age of first developmental disability suspicion, Disability registration date, Presence of multiple disabilities, Types of multiple disabilities, Current disability status
* Disability characteristics: Verbal comprehension/expression level, Non-verbal comprehension/utilization level, Cognitive ability level, Frequency of challenging behaviors, Activities of daily living skills
 |
| **B. Education** | * Educational background: Highest level of education, Graduation status, School transition process, Helpfulness of school education, Experience in vocational courses
* School life for current students: Level of adaptation to school life, Helpfulness of school education, Difficulties in school life, Career plans after graduation
* Career and vocational education for students: Desired career/vocational education content, Requirements for career/vocational education, Intention to pursue specialized courses
* Education outside of school: Participation experience in educational programs, Desire to participate in educational programs
 |
| **C. Employment status** | * Employment status, Employment position
 |
| **D. Employed Characteristics**  | * Employment motivation: Reason for deciding to work, Person who influenced the decision
* Workplace information: Company name, Industry, Type of workplace, Size of workforce, Number of workers with developmental disabilities
* Employment process: Start date, Reasons for choosing the job/employment pathway/difficulties in finding employment for wage workers, Reasons for choosing self-employment for non-wage workers
* Job characteristics: Main duties, Types of work, Occupational category, Level of difficulty, Level of physical demand, Level of adaptation, Degree of job satisfaction (individual with disability)
* Working conditions and status: Employment contract status, Average working days per week, Average working hours per day, Desire to adjust working hours, Wages (net income), Manager of wages (net income), Experience of unpaid wages
* Work environment: Workplace location, Commuting method/time/cost, Ability to commute independently, Safety level of workplace, History of injuries, Safety risk factors, Degree of understanding/consideration, Experience of discrimination/violence/abuse and responses, Suitability of environment
* Disability-related support: Current support/needed support related to disability, Willingness to use external assistance
* Work life: Difficulties at work, Family support, Communication at workplace, Requirements for maintaining employment
* Job satisfaction and intention to continue: Job satisfaction (individual/caregiver), Intention to continue working (individual/caregiver)
* Transition from vocational rehabilitation facilities to general employment: Desire and possibility of transitioning to regular workplace, Support needed for transition
* Previous employment experience: Experience working at other workplaces
 |
| **E. Unemployed Characteristics** | * Employment experience: Work experience/number of jobs, Information about the last job (industry, type of work, type of workplace, employment position, duration of employment, reason for leaving, etc.)
* Employment preferences: Desire to work (caregiver's perspective), Reasons for wanting/not wanting employment (caregiver), Desire to work (individual's perspective), Immediate availability for work, Reasons for unavailability, Desired job (employment position, type of workplace, type of work sought, desired working days per week, desired working hours per day, minimum desired wage/income, preferred workplace, desired timeline for employment)
* Needed disability-related support: Required support, Willingness to use external assistance
* Job search experience and preparation: Job search activities, Resume submission/interview experience, Difficulties faced, Employment preparation status, Preparation requirements
 |
| **F. Job skills & Services** | * Work values: Level of understanding about working · Work capability: Level of skills required for jobs, Possession of professional skills/qualifications, Subjective assessment of work ability
* Support for employment: Family support, Number of people who can provide assistance
* Use of information technology: Computer proficiency level, Smartphone proficiency level
* Employment services: Experience with employment services and their helpfulness, Needed services, Willingness to use training centers for people with developmental disabilities
 |
| **G. Daily Life** | * Health and exercise: Health condition, Chronic illnesses, (Early) aging, Exercise habits and duration
* Problems in daily life: Smoking, Alcohol consumption, Drug addiction, Smartphone/game addiction, Overweight (obesity), Sexual issues, Mental health issues
* Assistance in daily life: Level of assistance needed, Adequacy of assistance, Primary caregiver · Daily routine: Main activities (weekdays, weekends), Satisfaction with daily routine (individual/caregiver)
* Use of facilities: Main facilities used (purpose, time, intention to continue using)
* Social participation: Preference for outside activities during leisure time, Preference for meeting new people, Friendships, Experience with social activities (travel, entertainment events, voting, etc.), Accessibility of major facilities near residence
* Unfair experiences: Experience of discrimination, Experience of violence/abuse/neglect, Coping methods
* Satisfaction with daily life: Overall satisfaction (individual/caregiver)
* Independence motivation: Level of possible independence, Individual's desire for independence, Degree of expressing opinions actively, Decision-making authority
* Future plans: Establishment of future plans, Preferred future living arrangements, Support needed for individual's independence, Private insurance enrollment
* Disability-related services: Needed services, Accessibility of major facilities near residence
* Disaster safety: Ability to cope with disasters or emergencies
 |
| **H. Household & Caregiver** | * Household information: Number of household members, Household composition, Birth order, Head of household, Number of household members with disabilities, Average monthly household income, Basic livelihood security recipient status
* Caregiver information: Primary (and secondary) caregiver, Primary caregiver information (gender, age, education level, employment status, health condition), Secondary caregiver information (employment status)
* Caregiving: Caregiving hours, Time spent alone, Caregiving methods during caregiver absence, Difficulties in caregiving, Level of emergency care needed, Awareness of and willingness to use emergency care pilot projects, Degree of caregiving burden
* Caregiver life satisfaction: Satisfaction with current life
 |
| **L. COVID-19** | * Changes due to the continued COVID-19 pandemic: Degree of changes in daily life, Degree of changes in the individual's quality of life
 |

# [PPT #25] Survey Category - PwDD

Source: 2023 Survey on the Work and Life of Persons with developmental disabilities, KEAD, 2024

## Survey categories and items – PL / ER group

| **Category** | **Item** |
| --- | --- |
| **QA. Employment & Jobs** **(Employed)** | * Reasons for working
* Types of work performed
* Job satisfaction, Satisfaction with co-workers
* Whether the work is enjoyable
* Whether the work is physically demanding
* **Desire to extend working hours (Only PL)**
* Interest in vocational training
* **Awareness of wage level, Appropriateness of amount (Only PL)**
* Help needed at work
* Level of risk in the job
* Experience with workplace safety training
* Ability to evacuate independently in case of fire
* Presence of people who can assist with evacuation at workplace
* Experience of discrimination/violence and coping methods
* How to cope when feeling stressed or angry at work
* Intention to continue working
* **Reasons for wanting to quit (Only PL)**
 |
| **QA. Employment & Jobs****(Unemployed)** | * Desire for (future) employment
* Willingness to start work immediately
* Reasons for wanting to work
* Types of work desired
* Whether they want to work with other people with disabilities
* Interest in training on how to work
* Reasons for not wanting to work
 |
| **QB. Daily life** | * Health status, Happiness level
* **Whether they get along well with family (Only PL)**
* Desired activities (staying home/visiting facilities/working)
* Preferred leisure activities (indoor, outdoor)
* Presence of friends
* Ability to approach strangers
* Ability to express anger
* Possession of own money/card
* Need for assistance
* Experience of being unable to do things because of disability
* **Experience of being teased or excluded (Only PL)**
* Experience of violence
* Preferred living arrangement
* **Ability to make decisions about what they want to do (Only PL)**
* What they want to learn
* Satisfaction with school life, Desired path after graduation
* **Thoughts about themselves (self-esteem scale) (Only PL)**
* Ability to call the fire department in case of fire
 |

## Survey categories and items – Graphic Symbols group

Items: Ability to clean, Ability to take out trash, Ability to wash, Preference for staying at home, People they want to live with, Preference for the facility they attend, Activities they have tried, Whether they think they are attractive, Presence of friends, Ability to greet others, Items they want to buy, Whether they want to work, Experience of being hit, Ability to ask for help, Ability to clean (response consistency test item)

# [PPT #26] New findings from the Survey

Source: 2023 Survey on the Work and Life of Persons with developmental disabilities, KEAD, 2024

## Supplementary information:

### 1) Employment and employment aspirations are closely intertwined factors in the lives of persons with developmental disabilities

* Employed individuals show higher levels of social participation desire, life satisfaction, and self-esteem
* Employment of individuals with developmental disabilities significantly impacts the lives and satisfaction of their caregivers (families).
* Employed PwDD still need substantial support to maintain employment
* Unemployed individuals with developmental disabilities who wish to work share many characteristics with those who are employed
* Relatively younger, higher proportion of those with autism, and greater need for employment services
* Experience more discrimination and disability-related limitations than employed individuals
* Unemployed PwDD who do not desire work may require welfare-focused approaches
* Higher age demographic (44.1% are over 50), more severe disabilities, and significantly lower vocational abilities and employment motivation

### 2) The number of unemployed individuals who desire work (60,627) is quite close to the number of employed individuals (65,144)

* This group represents 74.1% of those aged 15-19 and 40.3% of people with autism
* Higher than the proportion of unemployed persons with disabilities who desire work (16.8%)
* Includes cases where either caregivers desire employment or caregivers believe the individuals themselves want employment

### 3) Both currently unemployed individuals seeking work and employed individuals show high demand for employment services

* Employed individuals have high needs for 'job placement', 'job opening information specific to PwDD', and 'career exploration and vocational information'
* Unemployed individuals' highest need is for 'daily living and social adaptation training', followed by similar information needs as the employed group, such as 'job placement' and 'job opening information specific to PwDD'

### 4) Employment preferences differ between individuals with developmental disabilities and their caregivers

* This confirms that caregivers have significant influence on decision-making for PwDD, and employment impacts both the individuals' and their caregivers' (families') lives
* Therefore, employment policies should target both cases where either the individual or the caregiver desires employment
* Notably, these findings (limited to PL and ER groups) suggest that individuals with developmental disabilities may desire employment more than their caregivers realize

# [PPT #28] Ways to access Data and Survey Report

## Supplementary information:

All data is freely available to the public.

### 1) Survey on the Work and Life of PwDD DATA and Results

Download path: EDI homepage (https://edi.kead.or.kr) 🡺 Survey on the Work and Life of Persons with Developmental Disabilities 🡺 Data download

However, downloading may be restricted in some foreign countries, so please contact me (yglim@kead.or.kr) if you would like to receive the data.

### 2) Disability Statistics at a Glance

We also produce English materials that organize Korean disability-related statistics in an easy-to-understand format, so we encourage you to make use of these resources.

Download path: EDI homepage (https://edi.kead.or.kr) 🡺 EDI Report 🡺 Find **“Disability Statistics at a Glance 2024”**