Epidemiology of co-existent overactive-underactive bladder #802 results of the 2023 Japan Community Health Survey (JaCS 2023): its prevalence and impact on quality of life as well as health-care seeking behavior

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Backgrounds and Aims Prevalence COUB **UAB OAB** Men 13.9% 9.3% 4.0% Women 9.8%

(according to JaCS 2023, ≥20 y/o)

10.3

12.1

18.8

80s

8.6

17.4

70s

12.4

60s

■ UAB

2.4

9.8

24.4

90s

COUB

↑ Prevalence with age?

40

35

30

25

10

5

4.4

20s

- **↓ QOL than OAB & UAB?**
- ↑ Physician visits than OAB & UAB?

p for trend: <0.0001 in all categories

3.1

3.0

40s

OAB

2.7 1.6

4.5

30s

4.3%

Prevalence of each category in men

4.9

2.9

8.0

50s

COUB

Participants & Methods

JaCS 2023

- Nationwide epidemiological online survey of LUTS conducted by JCS
- N = 6,210 (men: 3,122, women: 3,088)
- 20 to 99 y/o
- OAB = OAB symptom score by OABSS
- UAB = slow stream + hesitancy + straining to void by ICS-WG¹
- QOL = modified King's Health **Questionnaire**

(https://frame-illust.com/fi/wp-content/uploads/2018/02/map-japan-icon-green.png)

Abbreviations & References **COUB** = co-existent overactive-underactive bladder JaCS 2023 = the 2023 **Japan Community Health** Survey ICS = International **Continence Society** JCS = Japanese **Continence Society LUTS = lower urinary** tract symptoms **OAB** = overactive bladder **OABSS = OAB symptom** score

QOL = quality of life

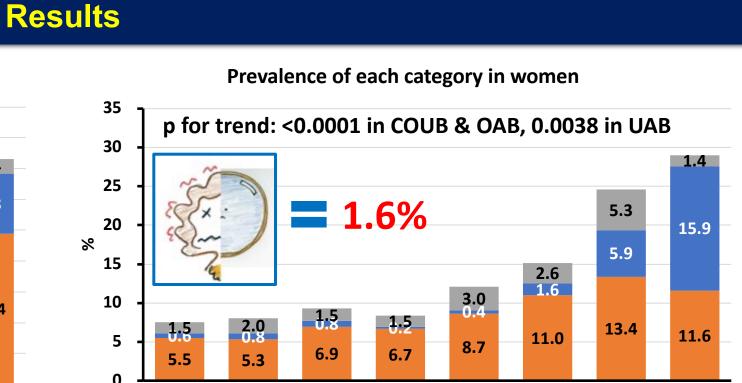
UAB = underactive

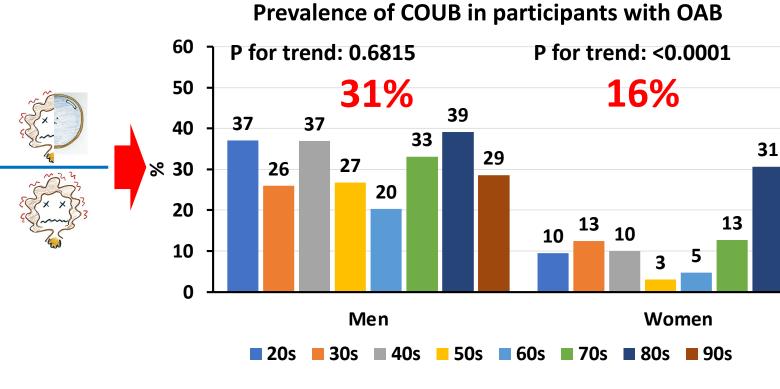
bladder

WG = working group

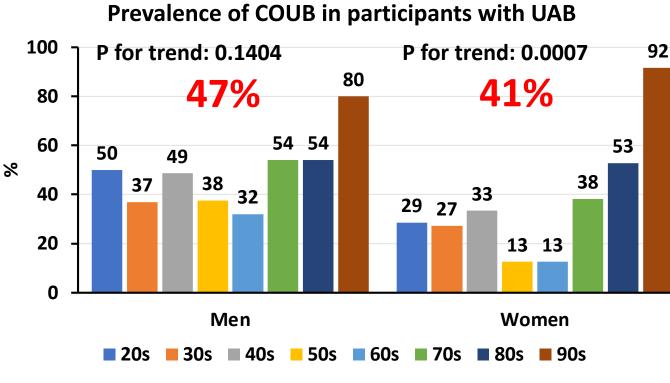
- 1. NAU 2018;37:2928
- 2. BJUint 2008;101:1388
- 3. BJUint 2009;103(S3):4
- 4. BJUint 2009;103(S3):12

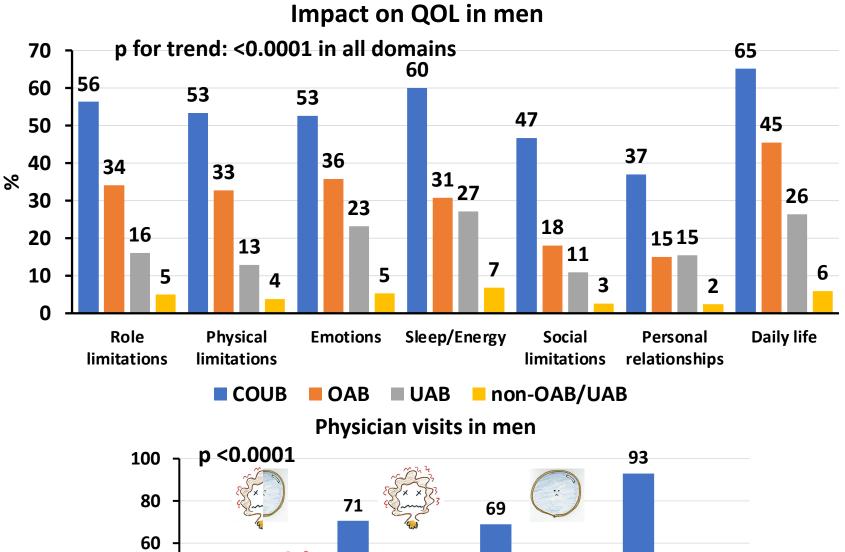
37





30s 40s 80s 90s **20**s **50**s 60s **70s** OAB COUB **UAB** 58





Impact on QOL in women p for trend: <0.0001 in all domains 66 66 66 70 **60 60 50** 47 **50 36** 35 3334 3436 % 40 28 23 **30** 21 1315 20 9 11 6 10 **Physical** Role **Emotions Sleep/Energy** Social **Daily life** Personal limitations limitations relationships limitations COUB OAB Physician visits in women p < 0.0001 100 93 82

76 80 60 % 40 28 **17** 20 **COUB UAB** non-OAB/UAB **OAB** ■ No visit ■ Past visit ■ Present visit

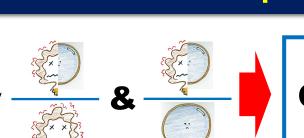
Conclusions

Interpretation of Results

■ No visit ■ Past visit ■ Present visit

OAB

15 14



%

40

20

Gender differences in



5

non-OAB/UAB

QOL & Physician visit in √ Major limitation →

21

COUB

Findings of EPIC² & EpiLUTS^{3,4} **Cross-sectional study**

17

14

UAB

Men **Prevalence** Women

↑ Prevalence with age ○

 \downarrow QOL than OAB & UAB \bigcirc

↑ Physician visits than OAB & UAB ○



COUB

4.3%

1.6%