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Unveiling childcare and long term care hidden behind the primary activities?

Preliminary, please, do note quote

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NTA 14

Paris, 14-17 February 2023

Motivation

- Most recent time use survey for Slovenia was conducted in 2000. Planned time use survey has been postponed because of covid-19

- No special questions on long-term care (adult-care) and to whom the help is given. We usually assign consumption to the oldest person in the household (if there is complete structure of the household available)

- This kind of work can be hidden behind the primary (or secondary) activities but becomes visible, once people stay longer in the employment, for example

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Data: drop-off within SHARE (Survey on Health, Ageing and Retirement in Europe); SHARELIFE wave

- Data on 24 hour activities for 2,982 individuals (2,941 cases with full 24 hours coverage)

- drop-off questionnaire within SHARE data source (questionnaire next to the original data)
  - clear concepts from the first part
  - possibility to analyse various covariates with the main questionnaire

- kind of a **time use survey** with 10-minute slots, comparable categories etc., but only for age 50+ (and their partners).

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Time-use-alike survey for 50+ (only primary activity)

	Hour	0:00						1:00						2:00					
1. PERSONAL CARE	1.1 SLEEPING AND NAPPING																		
	1.2 REST DUE TO ILLNESS																		
	1.3 EATING AND SELFCARE (washing, showering, dressing, personal services - doctor, hairdresser, etc.; including transportation)																		
2. PAID WORK	2.1 PAID WORK, BREAKS AND MEALS AT WORK, COMMUTE TO/FROM WORK, SEARCHING FOR WORK																		
3. UNPAID WORK (only	3.1 FOOD PREPARATION (cooking, baking, washing the dishes, etc.); **DO NOT INCLUDE** eating!																		
	3.2 LAUNDRY, IRONING, CLOTHING MAINTENANCE, CLEANING, HEATING, OTHER DOMESTIC WORK ETC.																		
	3.3 GARDENING/LANDSCAPING/PETCARE (including walking the dog, beekeeping, fishing, hunting, picking mushrooms etc.)																		
	3.4 HOME/VEHICLE REPAIRING AND MAINTENANCE																		
	3.5 HOUSEHOLD RELATED SHOPPING (food, household appliances, etc.) AND ERRANDS AT THE POST OFFICE, BANK ETC.																		

work that you have done yourself and not somebody	3.6 CARE FOR CHILDREN/(GREAT-) GRANDCHILDREN if they are younger than 18 years (physical/medical childcare, supervision, playing with, reading to a child, help with homework, etc.); **DO NOT INCLUDE** cooking!											
else for you); including transportation	3.7a HELPING ANOTHER ADULT PERSON (18+) perform basic activities of daily living (eating, bathing, washing, getting dressed, moving around the room, getting into and out of bed, using the bathroom, maintaining continence); **DO NOT INCLUDE** help with instrumental activities of daily living!											
	3.7b HELPING ANOTHER ADULT PERSON (18+) perform instrumental activities of daily living (preparing meals, housework, laundry, taking medications, shopping, use of telephone, transportation); **DO NOT INCLUDE** help with basic activities of daily living!											
	3.8 OTHER HELP AND VOLUNTARY WORK that is not included above in points 3.6 to 3.7b											
4. LEISURE TIME (including transportation)	4.1 SPORT (cycling, horseback riding, walking, mountaineering, dancing, etc.) OR EXERCISE, MEDITATION, YOGA, SPORT EXCURSION ETC.											
	4.2 HOBBIES (knitting, playing instruments, choir, crafts, etc.), READING, SOLVING CROSSWORDS, PLAYING CHESS OR GAMES, WRITING LETTERS, ETC.											
	4.3 ATTENDING SPORTING, CULTURAL, RELIGIOUS, ARTISTIC AND OTHER EVENTS, SPENDING TIME WITH FRIENDS/NEIGHBOURS/ACQUAINTANCES, ETC.											
	4.4 WATCHING TV, LISTENING TO THE RADIO, USING COMPUTER (e-mail, internet, computer games, etc.), RESTING, OTHER LEISURE ACTIVITIES											

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Number of observations by age and gender

Age	Male	Female	Total
40	1	1	2
45	1	7	8
50	23	64	87
55	131	239	370
60	239	320	559
65	281	334	615
70	202	245	447
75	169	223	392
80+	175	286	461
Total	**1,222**	**1,719**	**2,941**

Note: We exclude from further analysis 41 cases who reported „Refuse“ or „Don‘t know“ .

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Childcare: Number of observations by age and gender with positive values

Age	Male	Female	Total
45		1	1
50		5	5
55	11	45	56
60	23	64	87
65	35	50	85
70	15	19	34
75	9	12	21
80+	2	4	6
Total	95	200	295

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Childcare: Share (%) of observations by age and gender with positive values

Age	Male	Female	Total
45		3.6	3.5
50		4.7	2.5
55	6.4	19.1	12.8
60	8.9	21.4	15.4
65	12.9	14.3	13.6
70	8.2	7.4	7.8
75	4.8	5.5	5.2
80+	0.9	1.4	1.2
Total	6.7	11.3	9.3

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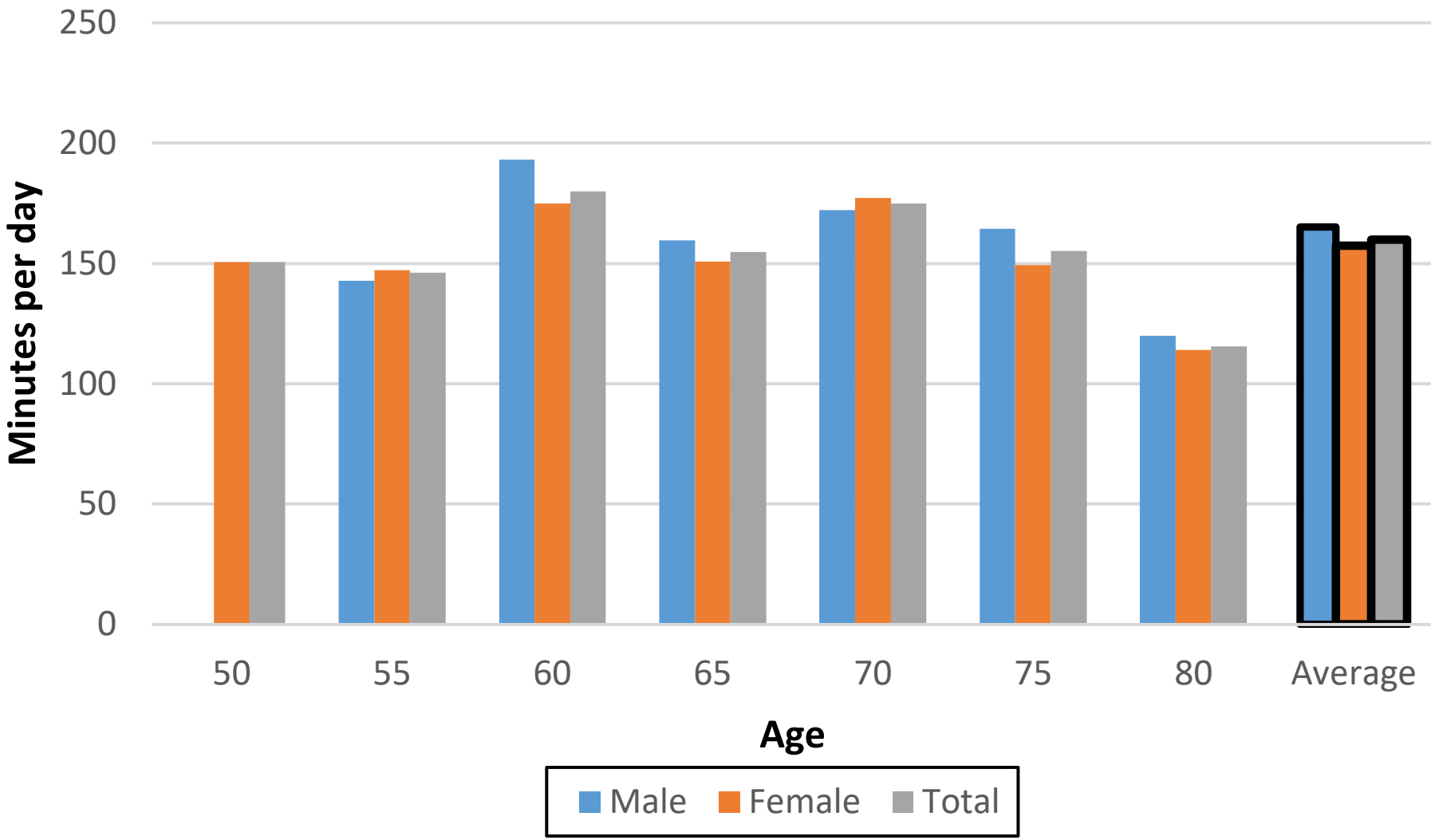
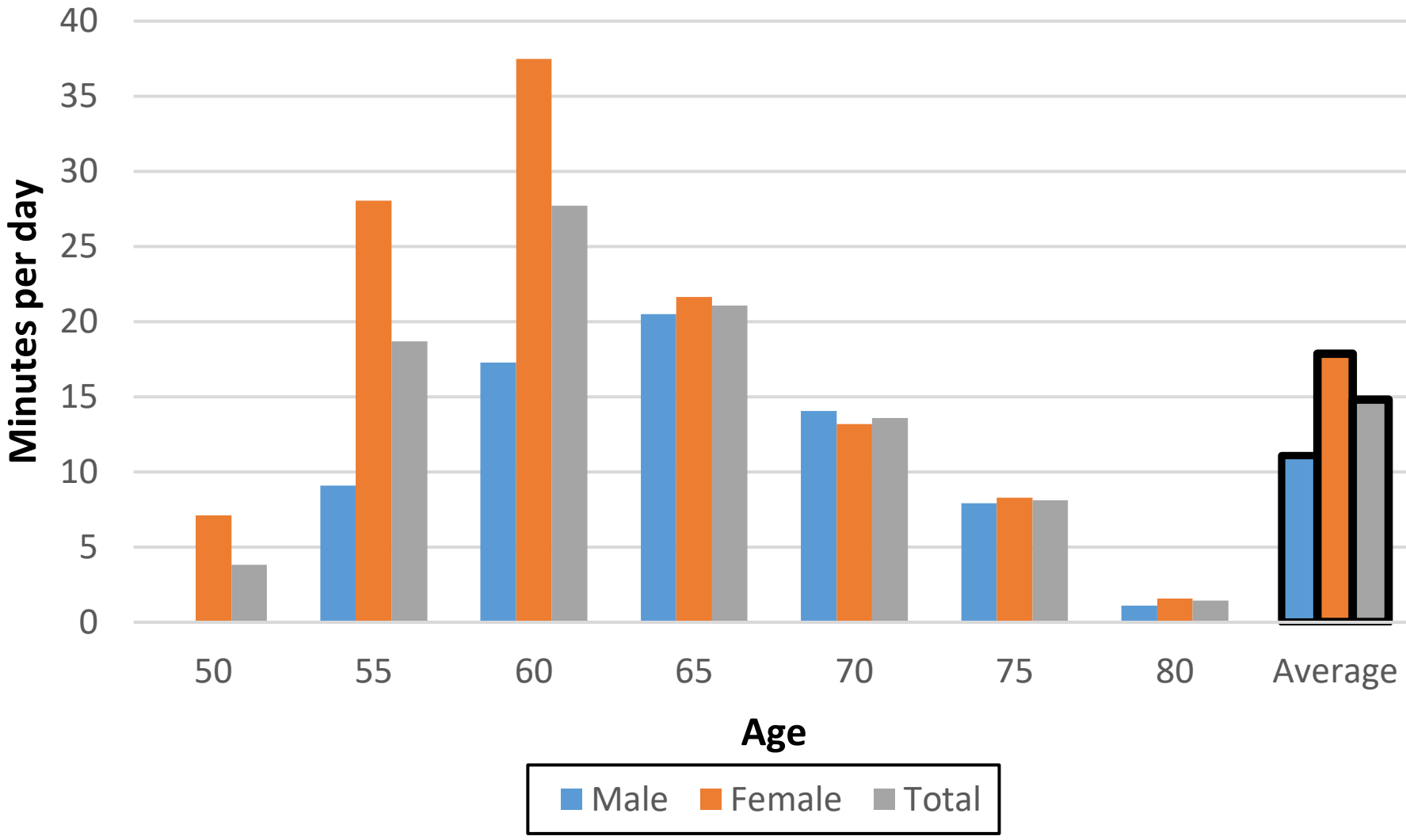
Childcare: Averages for those with positive values



Childcare: Per capita averages



Focusing more on provided childcare

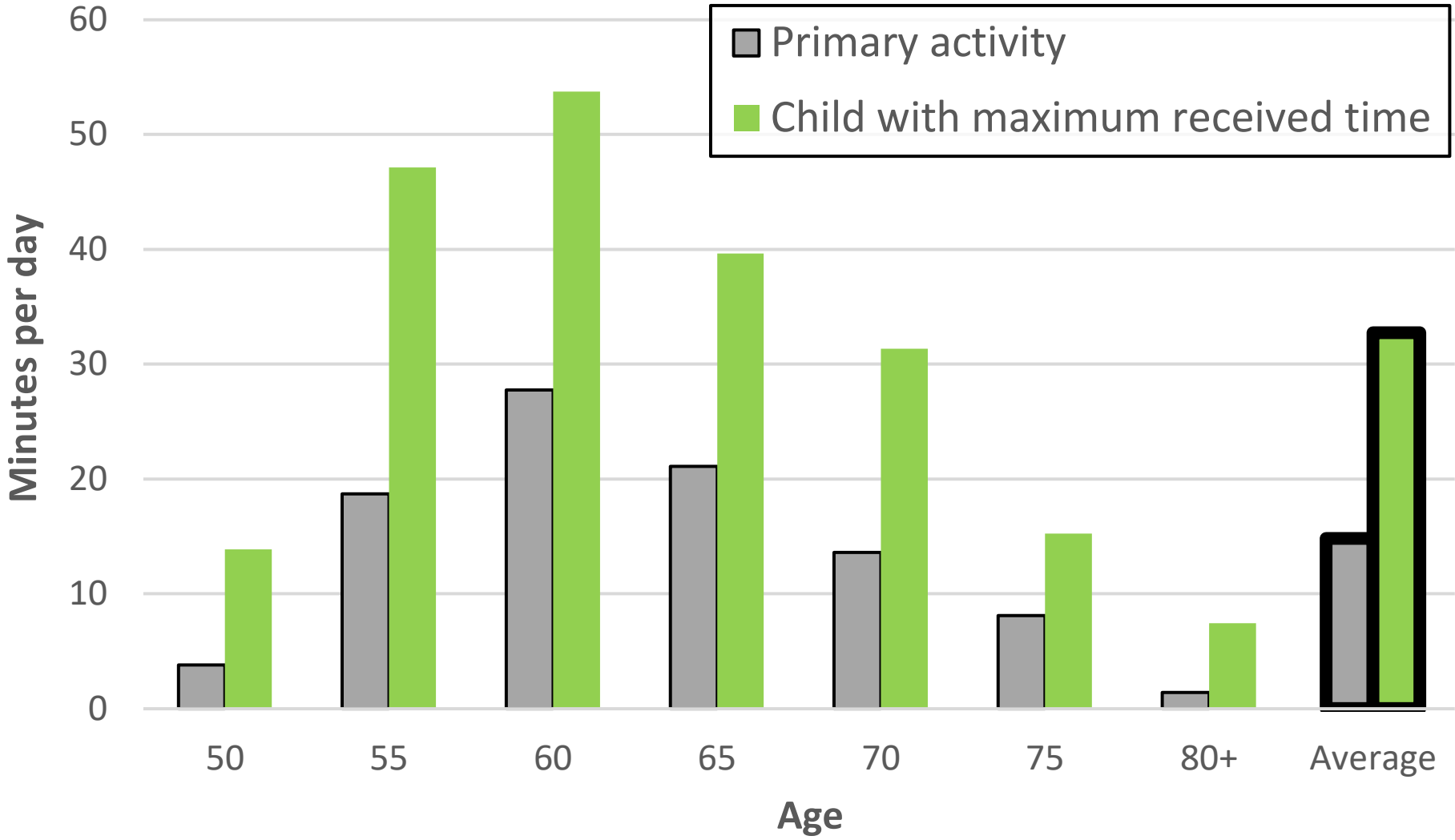
1. Did you take care of children/(great-) grandchildren, if they are younger than 18 years (health and other care, supervision, companion, play, reading, help with homework)?

☐ Yes➔ continue completing the table

☐ No➔ go to question No. 2

Child	1	2	3	4	5	6	7
a) Time spent	___:___ h:min	___:___ h:min	___:___ h:min	___:___ h:min	___:___ h:min	___:___ h:min	___:___ h:min
b) Age	☐ years	☐ years	☐ years	☐ years	☐ years	☐ years	☐ years
c) Gender	M/F	M/F	M/F	M/F	M/F	M/F	M/F
d) Is child living in the same household?	yes/no	yes/no	yes/no	yes/no	yes/no	yes/no	yes/no

Time spent on childcare (primary activity vs. reported for the child with maximum received time)



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Focusing more on provided long-term care (AdultcareBasicADL)

2. Did you help another adult person (18+) **perform basic activities of daily living** (eating, bathing, washing, getting dressed, moving around the room, getting into and out of bed, using bathroom and control of urinary incontinence)? DO NOT INCLUDE help with instrumental activities of daily living!

☐ Yes➔ continue completing the table

☐ No➔ go to question No. 3

Person (Showcard 1)	_____	_____	_____	_____	_____
a) Time spent	___:___ h : min	___:___ h : min	___:___ h : min	___:___ h : min	___:___ h : min
b) Age	☐ years	☐ years	☐ years	☐ years	☐ years
c) Gender	M/F	M/F	M/F	M/F	M/F
d) Is person living in the same household?	yes/no	yes/no	yes/no	yes/no	yes/no

AdultcareBasicADL: Number of observations by age and gender with positive values

Age	Male	Female	Total
50	2	4	6
55	1	11	12
60	10	14	24
65	4	17	21
70	4	9	13
75	5	9	14
80+	2	11	13
Total	28	75	103

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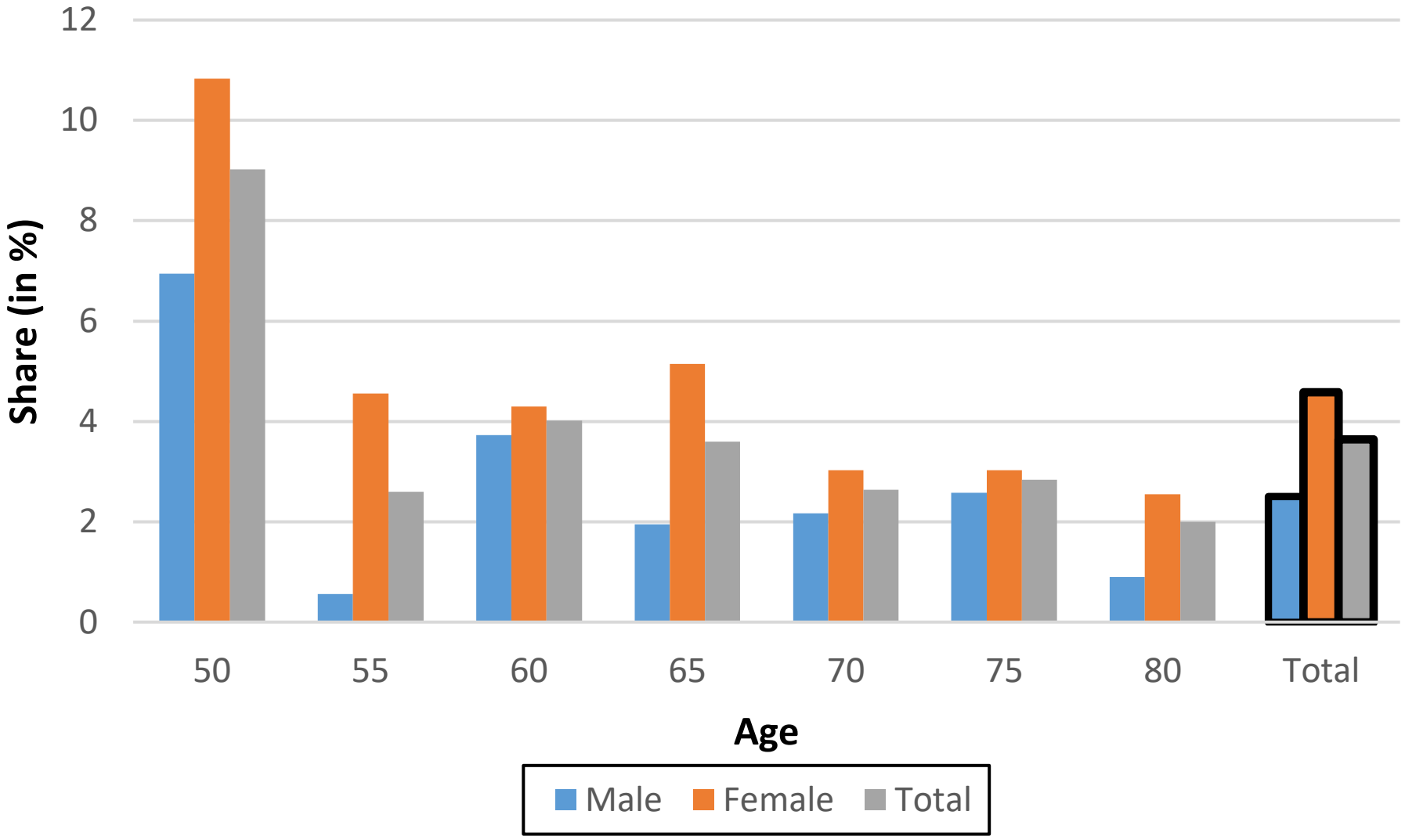
AdultcareBasicADL: Share (%) of observations by age and gender with positive values



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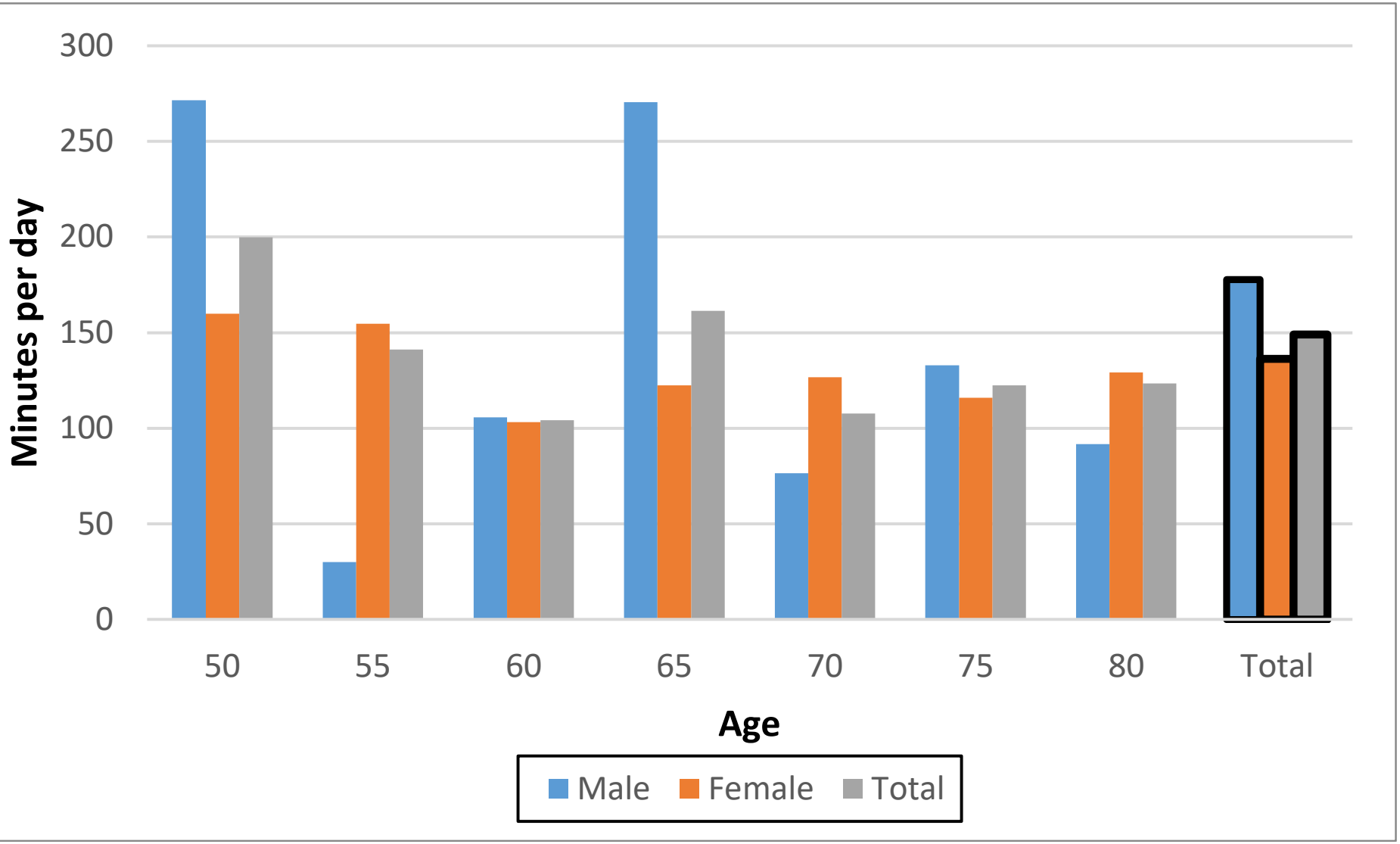
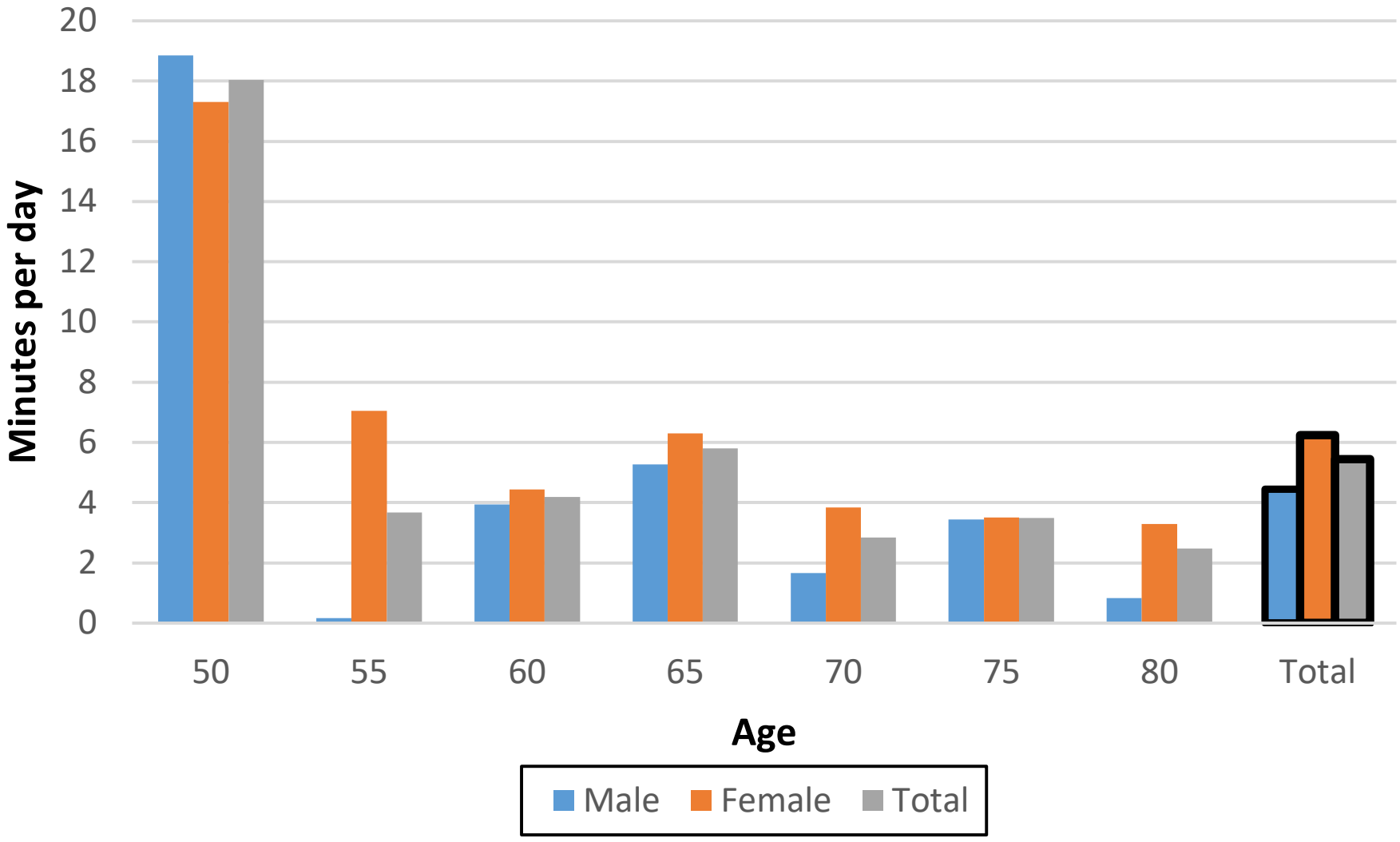
AdultcareBasicADL: Averages for those with positive values



AdultcareBasicADL: Per capita averages



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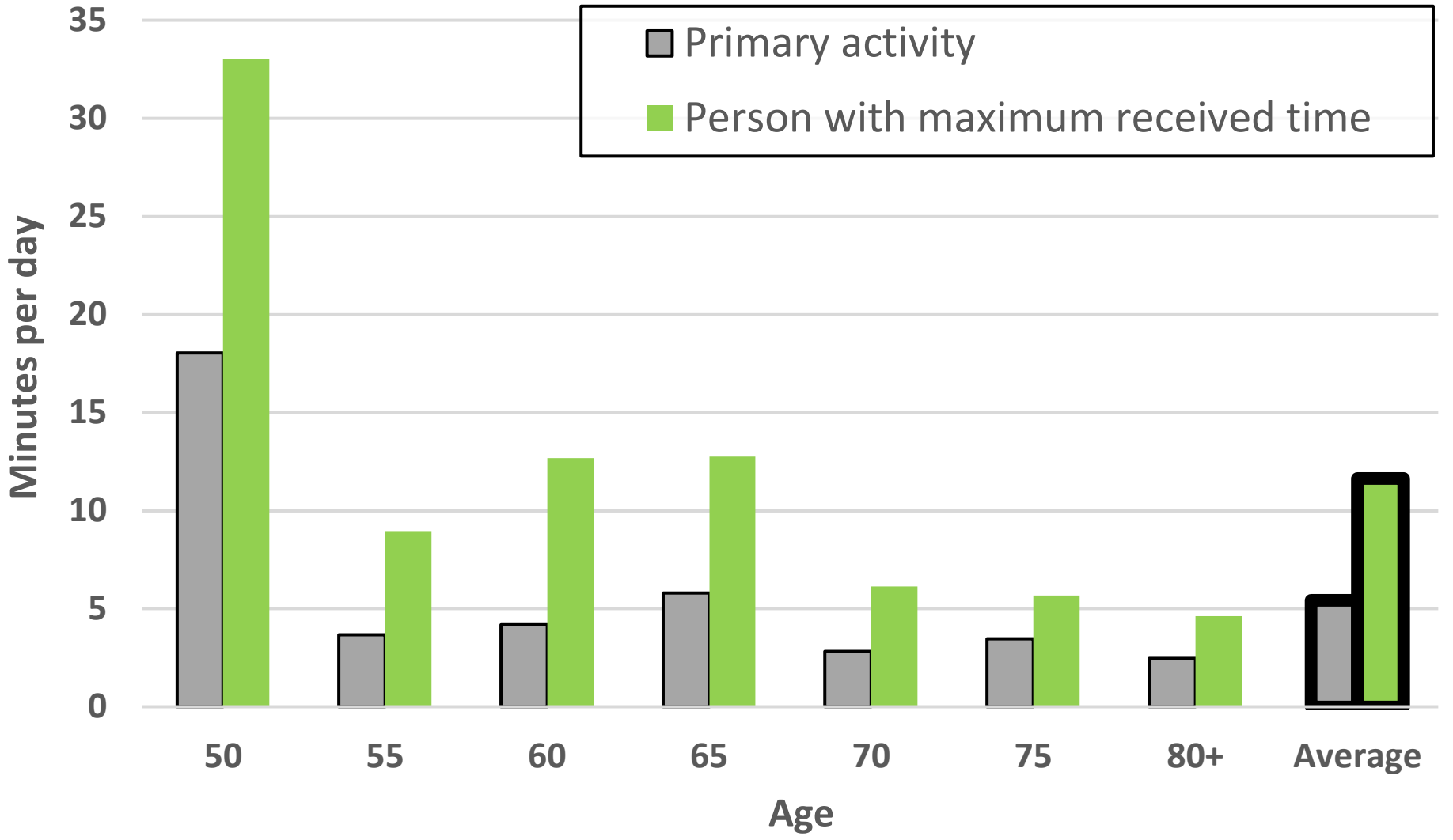
Time spent on AdultcareBasicADL (primary activity vs. reported for the person with maximum received time)



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Focusing more on provided long-term care (Adultcare_IADL)

3. Did you help another adult person (18+) **perform instrumental activities of daily living** (preparing meals, housework, laundry, taking medications, shopping, use of telephone, transportation)? DO NOT INCLUDE help with basic activities of daily living!

☐ Yes➔ continue completing the table

☐ No➔ go to question No. 4

Person (Showcard 1)	_____	_____	_____	_____	_____
a) Time spent	___:___ h : min	___:___ h : min	___:___ h : min	___:___ h : min	___:___ h : min
b) Age	☐ years	☐ years	☐ years	☐ years	☐ years
c) Gender	M/F	M/F	M/F	M/F	M/F
d) Is person living in the same household?	yes/no	yes/no	yes/no	yes/no	yes/no

Adultcare_IADL: Number of observations by age and gender with positive values

Age	Male	Female	Total
50	3	4	7
55	6	23	29
60	10	23	33
65	7	30	37
70	8	12	20
75	7	10	17
80+	4	9	13
Total	45	111	156

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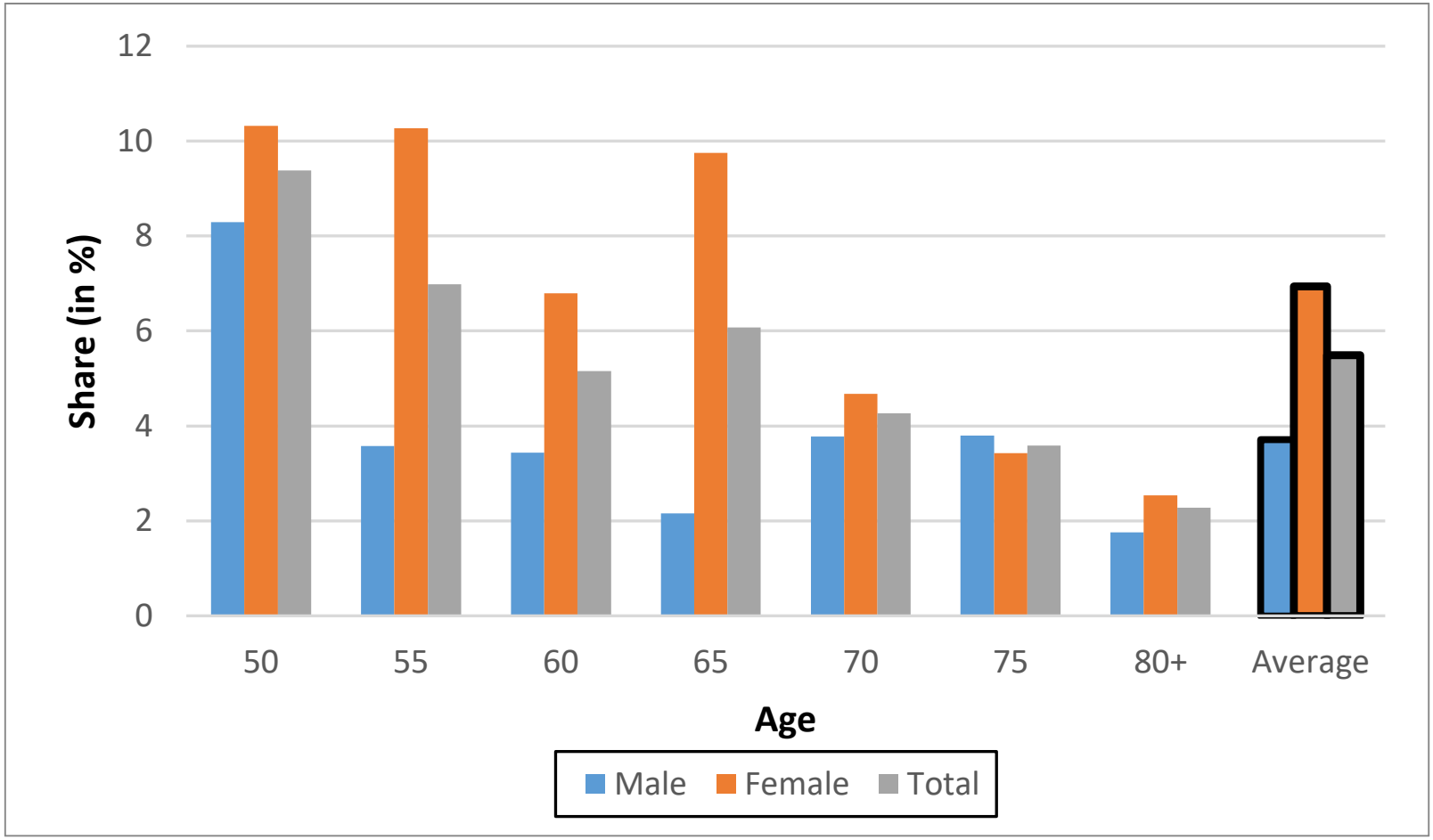
Adultcare_IADL: Share (%) of observations by age and gender with positive values



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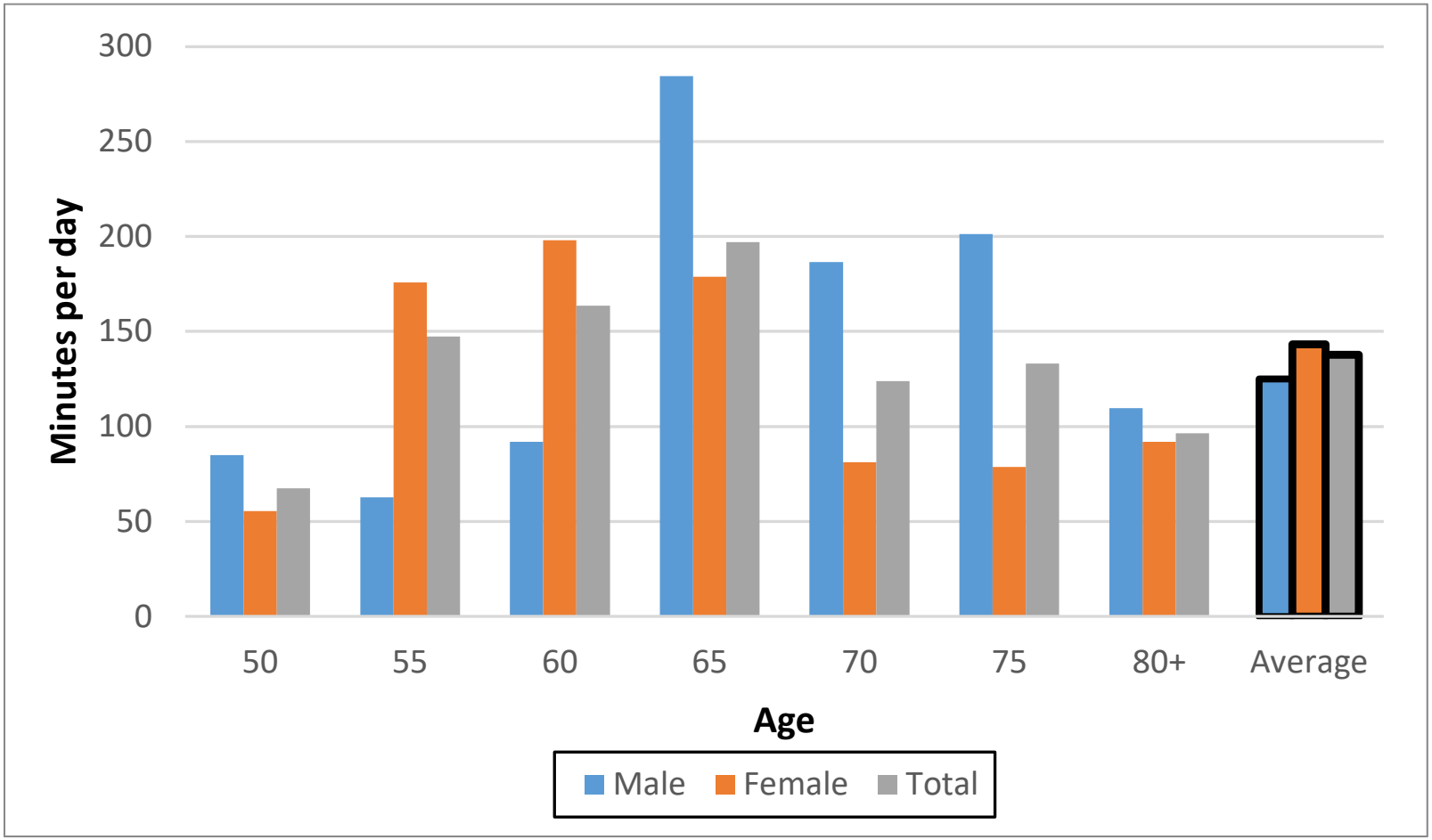
Adultcare_IADL: Averages for those with positive values



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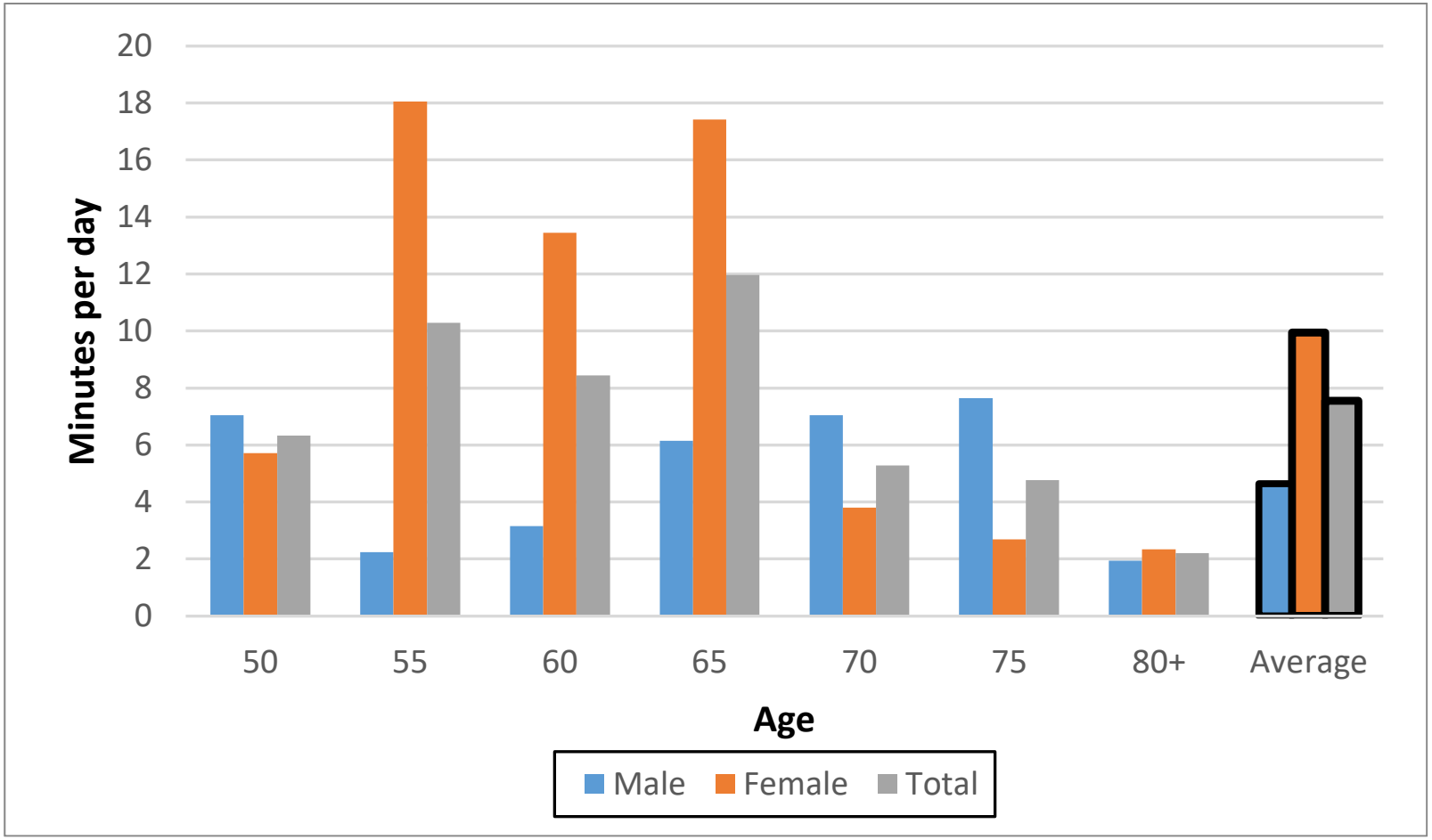
AdultcareBasicADL: Per capita averages



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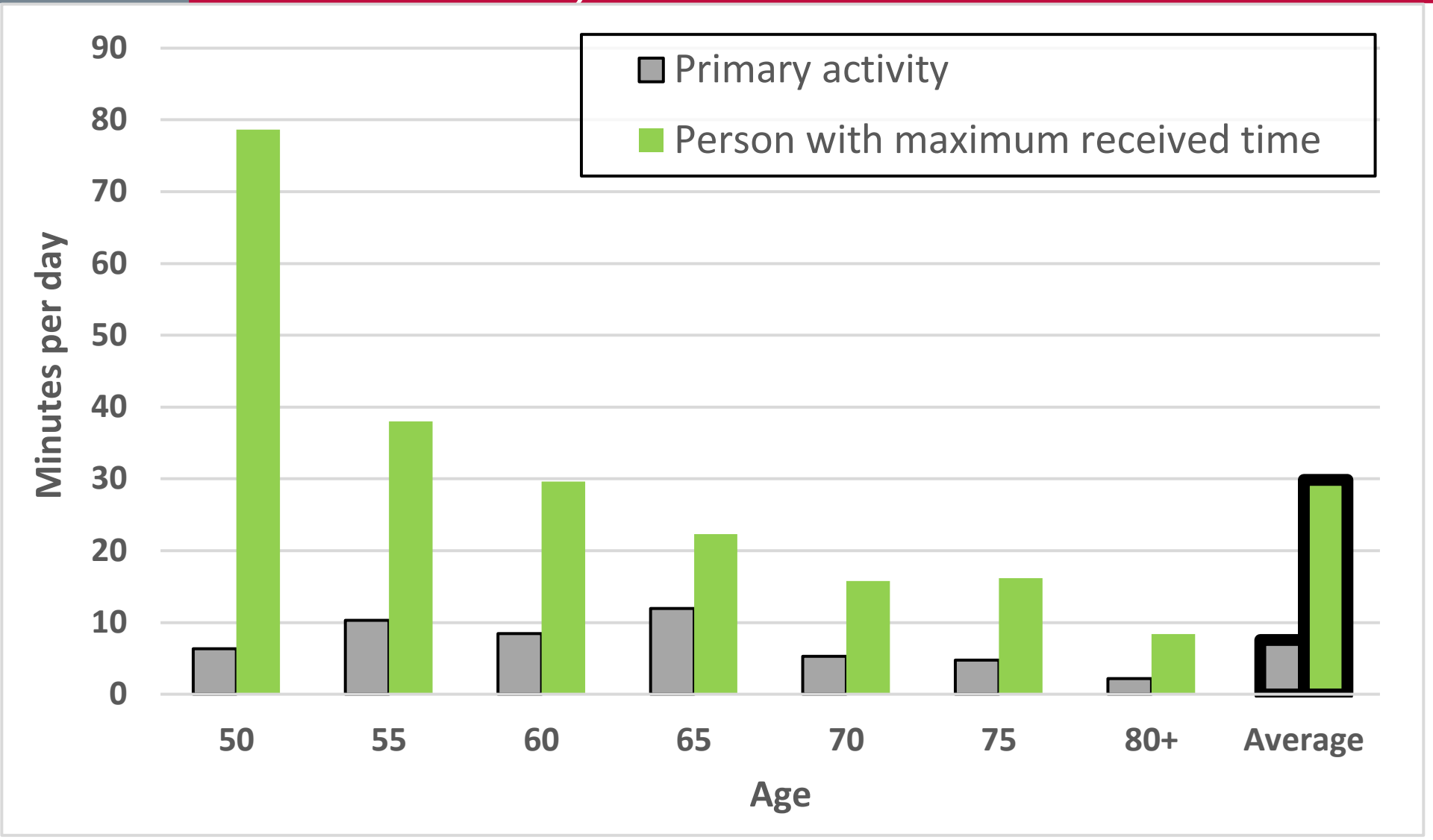
Time spent on Adultcare_IADL (primary activity vs. reported for the person with maximum received time)



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Factor of underestimation (conservative estimate)

- Childcare: **2.2 x**

- AdultcareBasicADL: **2.1 x**

(eating, bathing, washing, getting dressed, moving around the room, getting into and out of bed, using bathroom and control of urinary incontinence)

- Adultcare_IADL: **4.0 x**

(preparing meals, housework, laundry, taking medications, shopping, use of telephone, transportation)

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Analyses based on these data (work in progress and plans)

- Applying compositional data analysis (Dirichlet Regression); finding that both income and education have a positive impact on the time devoted to long term care to others.

- including time use in understanding the retirement decisions

- health conditions and providing long-term care

- Wave 7 was a SHARELIFE wave (like wave 3) - focusing on respondents' life histories.

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