



Consumer Behaviour Fact Book

MARCH 2015

UNDERSTANDING
CONSUMERS' USE AND
ATTITUDES TOWARDS OTC
MEDICINES, VITAMINS,
MINERALS AND SUPPLEMENTS
AND THE DOWN-SCHEDULING
OF CERTAIN PRESCRIPTION
MEDICINES.

An Enterprise Partnership Study with



MACQUARIE
University

**CENTRE FOR
THE HEALTH ECONOMY**

This independent research project was conducted by Professor Scott Koslow, a senior academic in the Department of Marketing and Management at Macquarie University. Macquarie University jointly funded the study through a pilot research grant under an "Enterprise Partnerships Scheme".

ISBN 978-1-74138-424-6

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INTRODUCTION

In the current health care debate in Australia, the role of medicines shines as one of the most effective treatment strategies available for a wide range of conditions. Medicines are also one of the most efficient tools to improve Australians' health. While most assume prescription products are the only medicines used in treating Australians, the majority of Australians also use over-the-counter medicines to self-medicate at the onset of sickness, and vitamins and minerals to maintain or improve their overall health.

While there is considerable research on the compounds, treatment regimens and health outcomes, there is less research informing us of what we think about medicines and how we use them. For example, how often do typical Australians take medicines for a range of conditions from colds to pain to skin rashes? When we do take them, is it easy for most consumers to make choices? If we could not get the medicines we needed over-the-counter, would we visit the doctor to get them prescribed—at a considerable cost to the government and our own pockets?

To provide some basic facts to understand consumer attitudes and use of common medicines, the Australian Self-Medication Industry (ASMI) approached Macquarie University Centre for the Health Economy (MUCHE) for research into these attitudes. The resulting study considers several key research questions:

Research Questions

1. What are consumers' use of and attitudes toward over-the-counter (OTC) medicines?
2. How do consumers use vitamins, minerals and supplements (VMS)?
3. Prescription to OTC switch – what are the consumer insights?

This study reports on the methodology and findings associated with these three research questions.

Study Methodology

The study, undertaken in December 2013, surveyed in two parts the attitudes of 1146 Australians over the age of 18 regarding OTC, VMS and prescription (Rx) medicines. Respondents were also asked to report on children or other family members they supervised. The questionnaire was designed based on the findings of qualitative focus groups conducted to consider the three research questions identified above. The respondents generally matched the Australian population, but in the few cases where there were statistical differences, these were adjusted so that the numbers reported reflect the current Australian population.

The first section of the questionnaire asked about current OTC medicine usage, followed by questions about what respondents would do if they did not have access to these medicines without a prescription. If the respondent supervised children or other family members, they were also asked about their dependants' OTC medicine usage and what they would do if they did not have access. In the second section respondents were asked about their use of vitamins, minerals and supplements and their motivation for using these. The third section asked about usage of eleven common prescription medicines and about the doctors' visits to obtain these prescriptions.

Although the sample population was 1146 Australian consumers, the questions put to these consumers elicited responses about a number of different medicines they took. Accordingly, in some cases the sample size reflects consumers as the unit of analysis and in other cases reflects medicines used by the consumers as the unit of analysis. In addition, of these 1146 consumers, 807 also reported on their children and/or dependants. For both these reasons, sample sizes change in this report based on the specific data being analysed. The sample size for any given analysis is noted on the particular chart.

It should also be noted that for any analysis where the sample size is less than 100, it is difficult to make meaningful extrapolations to the general public. This is noted with an asterisk within the report where relevant.

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GENERAL STATISTICS

Gender

Out of 1146 people surveyed in this study, 51% of people were male and 49% female across Australia.

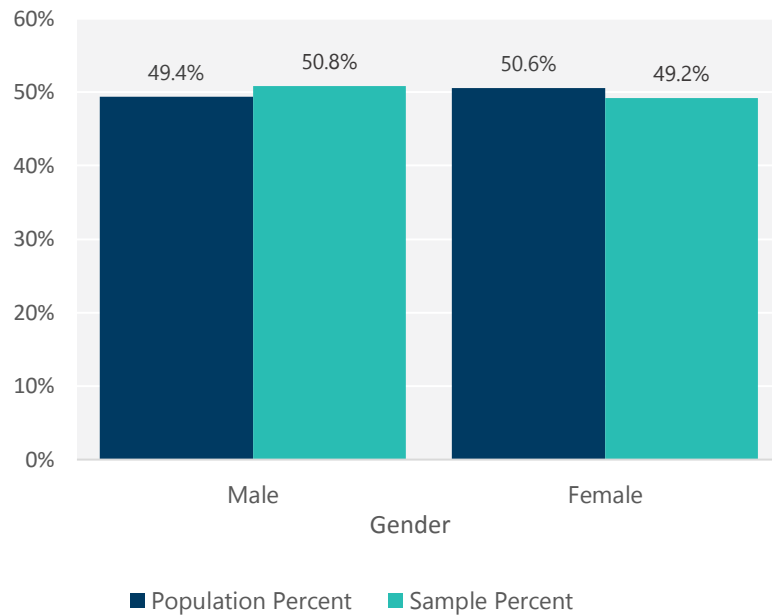


Figure 0.1: Gender distribution of sample | N:1146

What State do you live in?

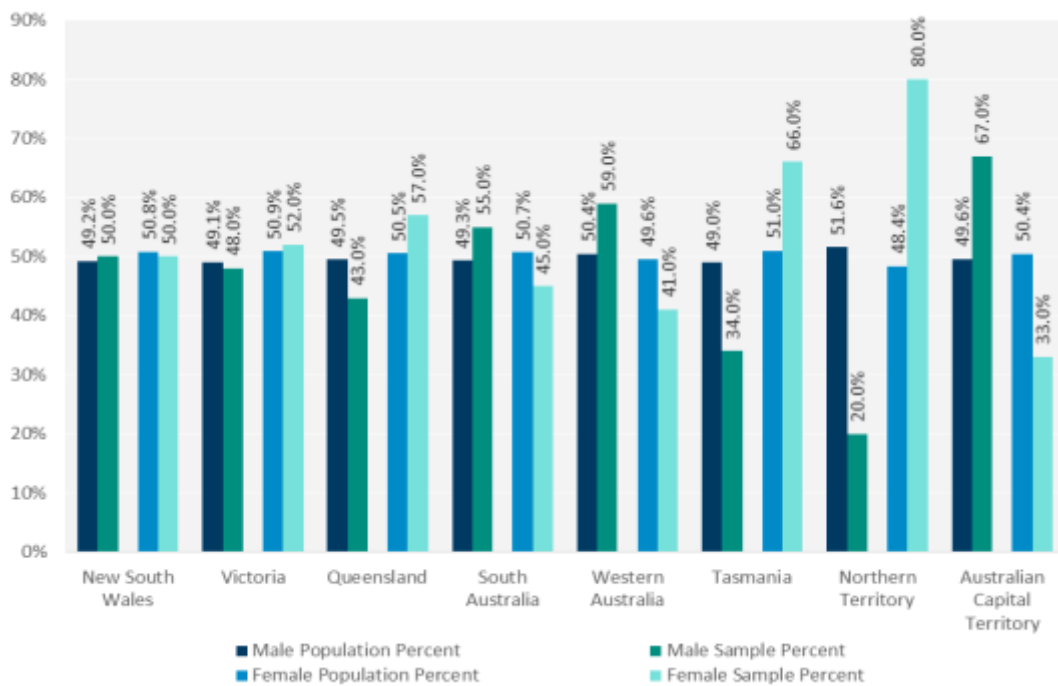


Figure 0.2: Gender distribution across States | N:1146

It should be noted that the sample sizes for Tasmania, Northern Territory, and ACT are too small to allow a representative comparison.

Age

In terms of age, respondents are distributed across different age groups. The highest proportion of respondents is aged 65 years or over at 20.7%. This is followed by respondents aged 45-54 years, at 17.7% as the second major age group.

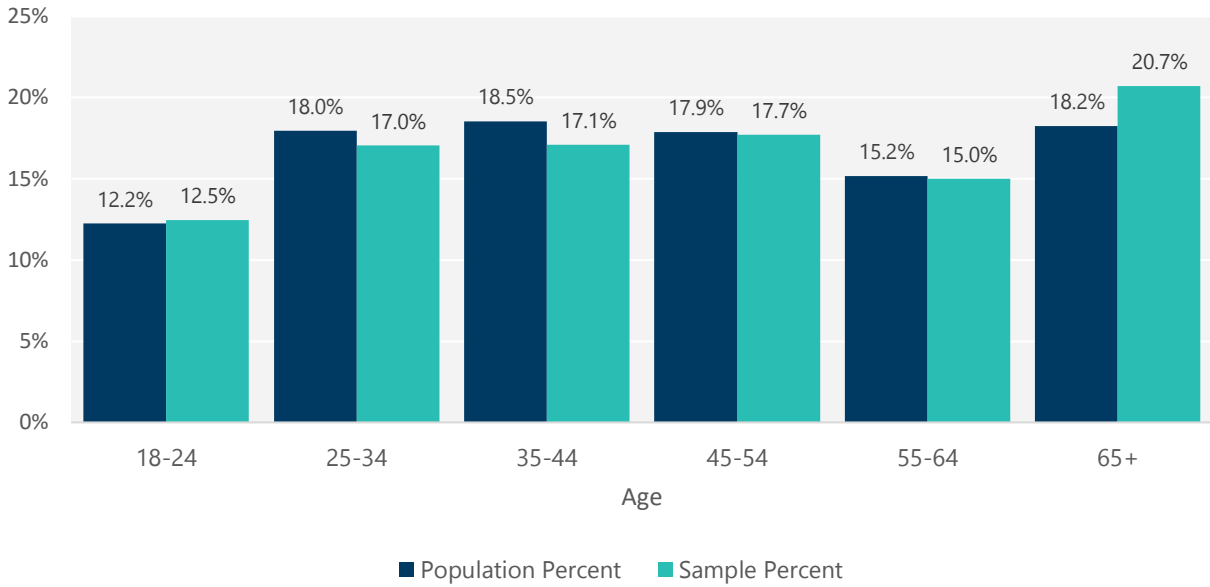


Figure 0.3: Age distribution of sample | N:1146

Number of dependants

Respondents were asked whether they were the principal supervisor of a child or other family member. While 32.5% of people surveyed did not supervise any children, the majority of respondents have one child to supervise at 48.6%, followed by two children and three or more at 13.4% and 5.5% respectively.

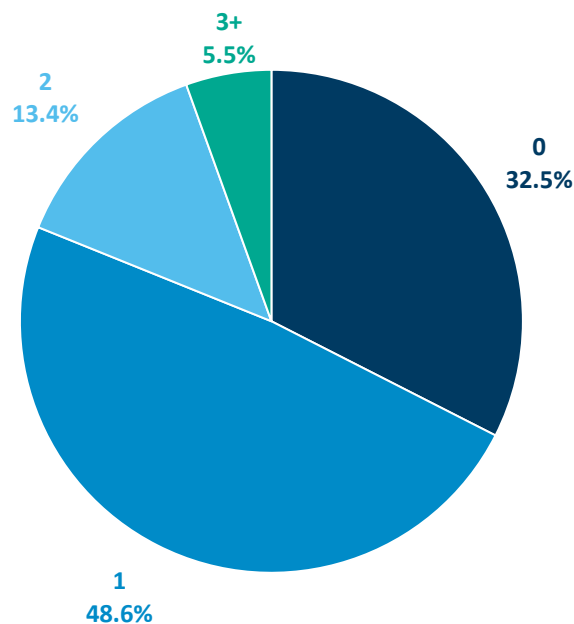


Figure 0.4: Number of children to supervise | N:1146

Birthplace

Where were you born?

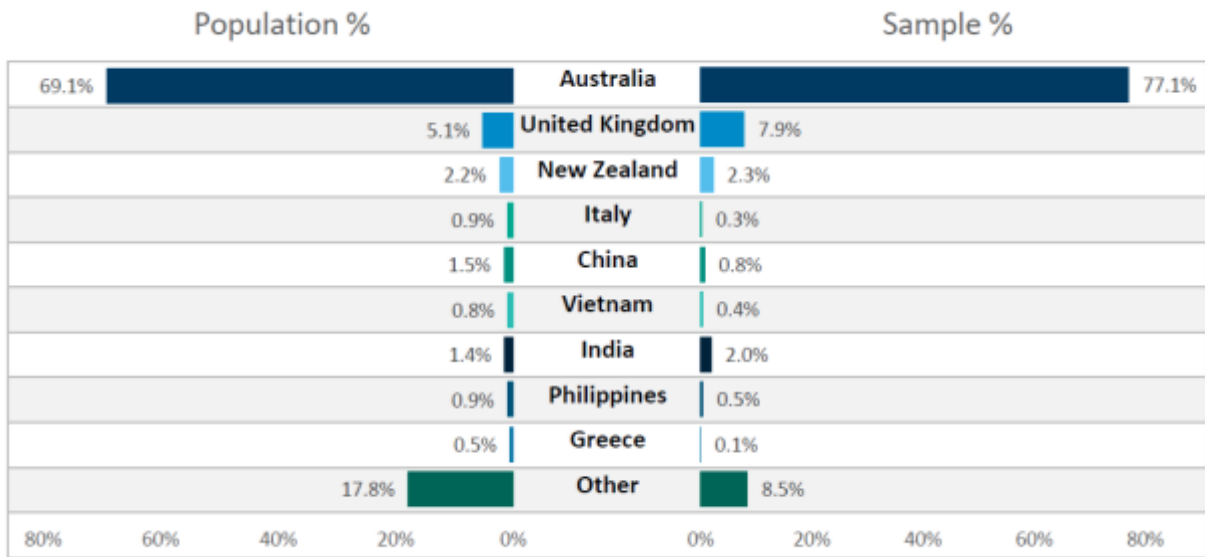


Figure 0.5: Country of birth | N:1146

The majority of respondents were born in Australia at 77%. This is followed by the United Kingdom at 8%. Around 7% of people surveyed were born in countries such as New Zealand, Italy, China, etc. The remaining 9% of respondents were born in other countries not listed here.

Years living in Australia

How many years have you lived in Australia?

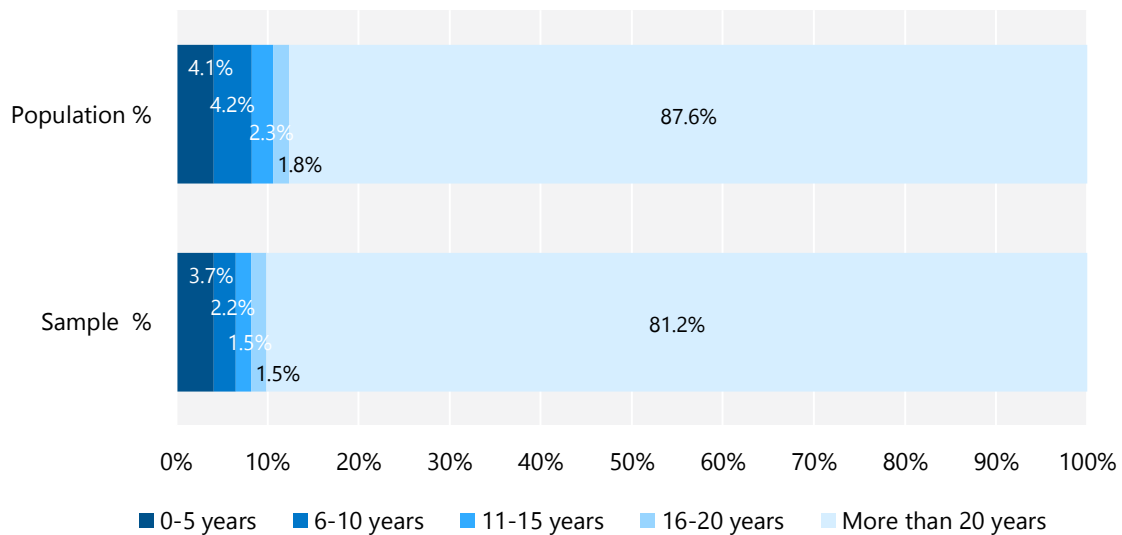


Figure 0.6: Years lived in Australia | N:1146

The majority of people surveyed has been living in Australia for the last 20 years (61.8%). The second major proportion of respondents has lived in Australia for five years or less at 15.9%.

Ethnicity

If asked your ethnicity, what would you say it is?

Australian, British-Australian, and European-Australian represent more than 85% of the people surveyed. Other ethnicities account for around 15% of the respondents.

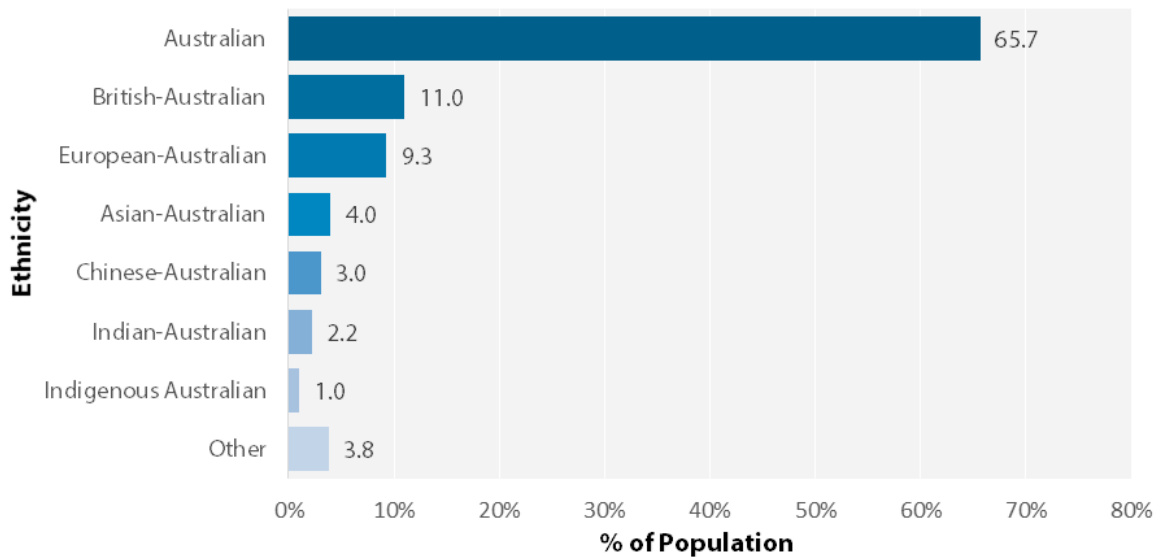


Figure 0.7: Ethnicity by proportion of population | N:1146

Highest level of education reached

What is your highest level of education?

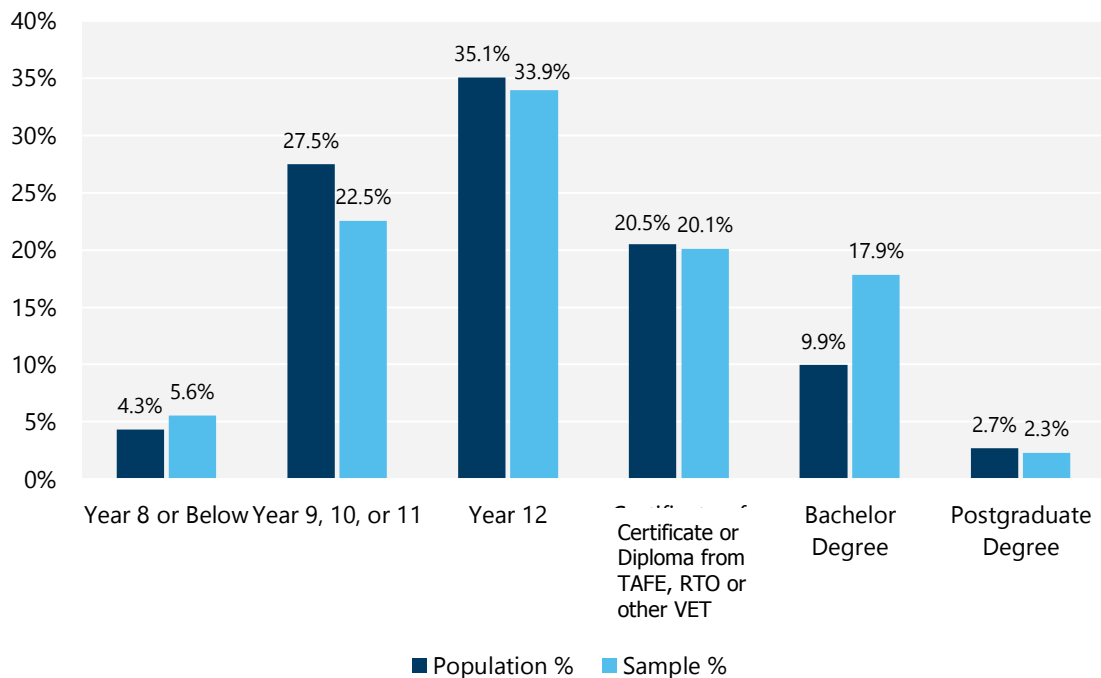


Figure 0.8: Population by level of education | N:1146

Around 20% of people surveyed have a certificate or diploma from TAFE, RTO or other VET. While 18% of respondents have a bachelor degree, approximately 23% have finished school in Years 9, 10 or 11.

Doctor waiting times

How many days do you normally have to wait to get to see your usual doctor?

The majority of respondents reported that they do not need to wait more than a day to see their doctor. 32.7% of respondents see their doctor the next day and 30.3% on the same day. A minority (6.5%) wait for three days to see their usual doctor.

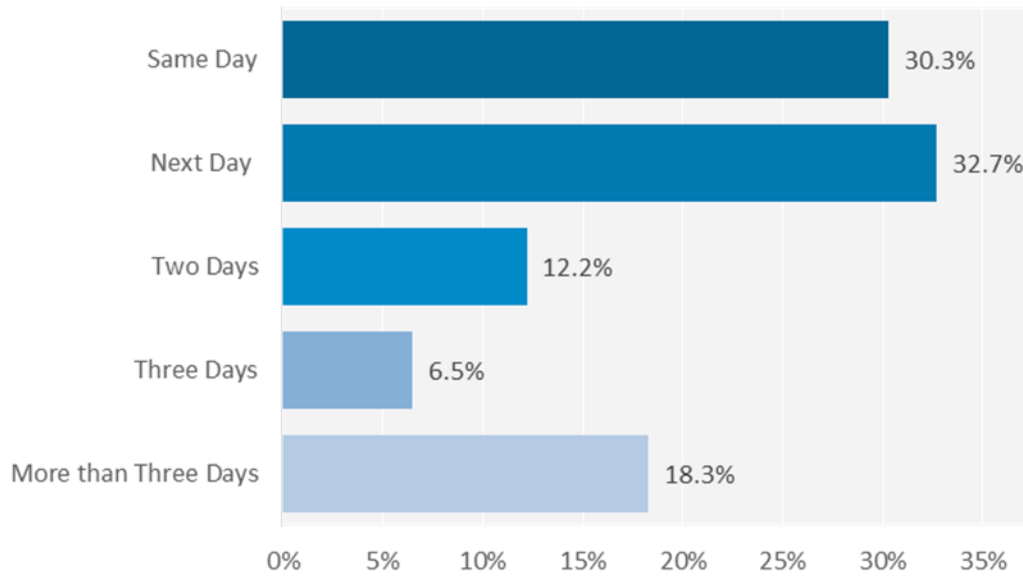


Figure 0.9: Waiting time to get doctor's appointment in days | N:1146

On average, how long do you normally have to wait in the waiting room before seeing your doctor?

Around 80% of respondents wait for no longer than 40 minutes to see their doctor. Just less than 2% of people need to wait for more than two hours to see their doctor. The remaining 18% of respondents need to wait between 40 minutes to two hours.

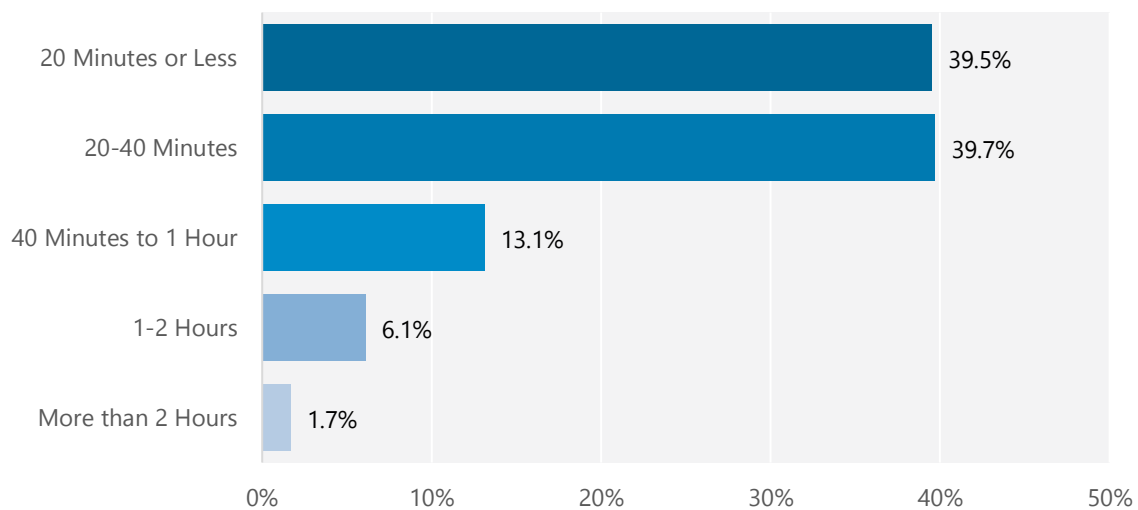


Figure 0.10: Doctor waiting room time | N:1146

Doctor out of pocket expense per visit

How much do you, personally, normally pay (out of pocket) to visit your usual doctor?

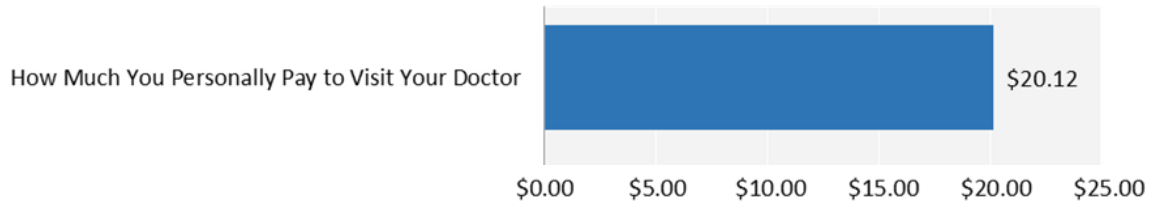


Figure 0.11: Doctor out of pocket costs (\$) | N:1146

On average, respondents pay \$20.12 out of their pocket to visit their usual doctor.

Do you have private health insurance?

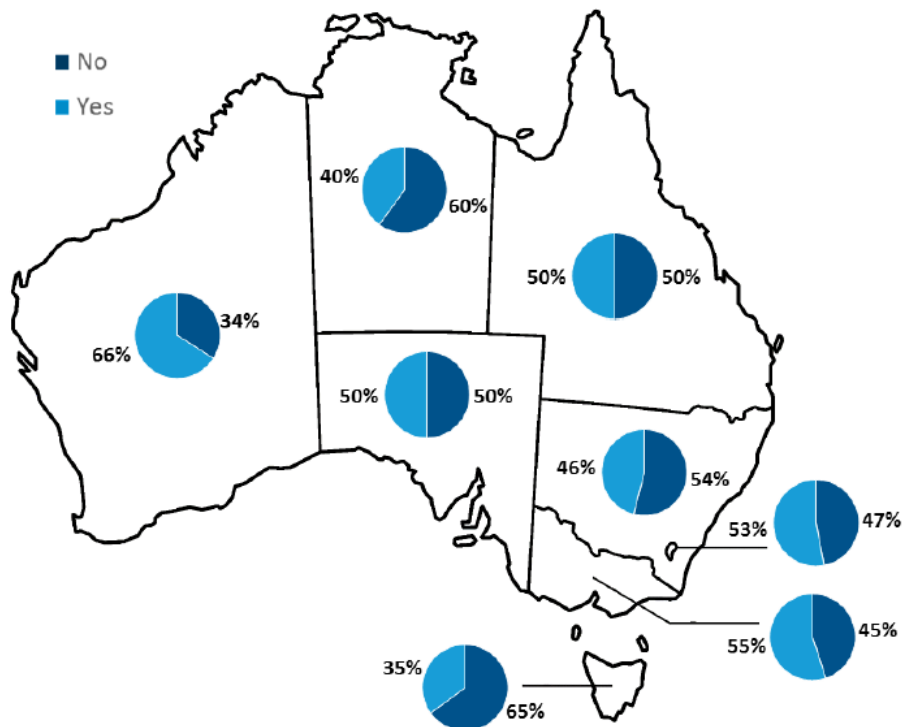


Figure 0.12: Proportion of population with private health insurance | N: 1146

Within the sample, West Australians have the highest level of private health insurance coverage in Australia with 66% of people living in that state covered by private health insurance. The sample from Tasmania has the lowest proportion of respondents with private health insurance at 35%. Victoria has the second highest rate of private health insurance at 55%, followed by Queensland and South Australia at 50%.

SECTION 1:

What are consumers' use of and attitudes toward OTC medicines?

1.1 Usage of OTC medicines by adults

Usage of OTC medicines in the last month

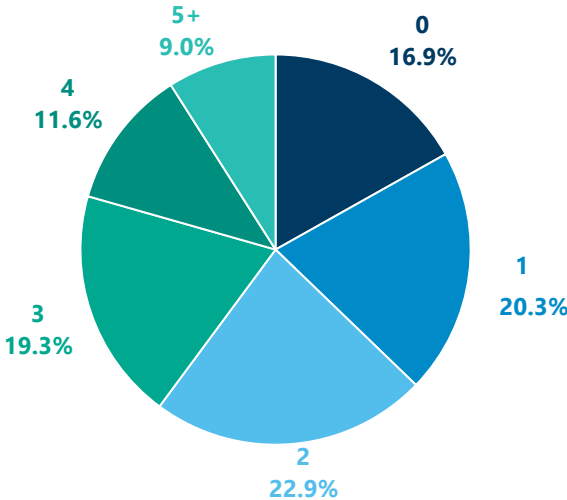


Figure 1.1: OTC usage by adults in the last month | N:1146

This graph shows the percentage of respondents who have used a number of OTC medicines in the last month, with only 16.9% reporting to have not used an OTC in the last month.

Usage of OTC medicines in the last year

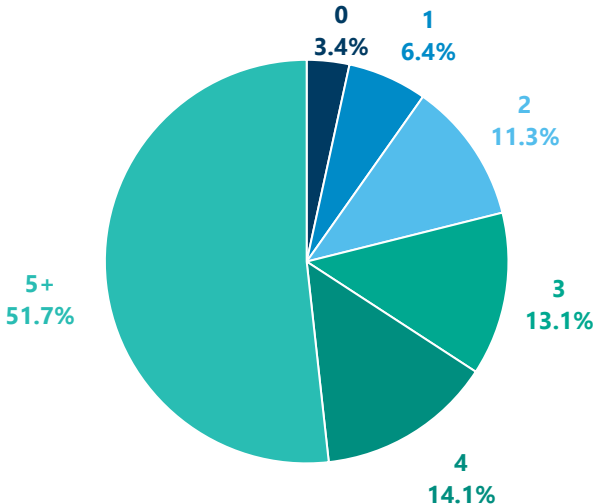


Figure 1.2: OTC usage by adults in the last year | N:1146

The majority of respondents used five or more OTC medicines in the last year. This suggests consumers are comfortable treating a variety of illnesses with OTC medicines on a regular basis.

Category penetration

When did you last take this type of medicine?

Pain relievers have the highest penetration, followed by cough and cold medication with only 4.5% and 6.9% of people respectively having never used them.

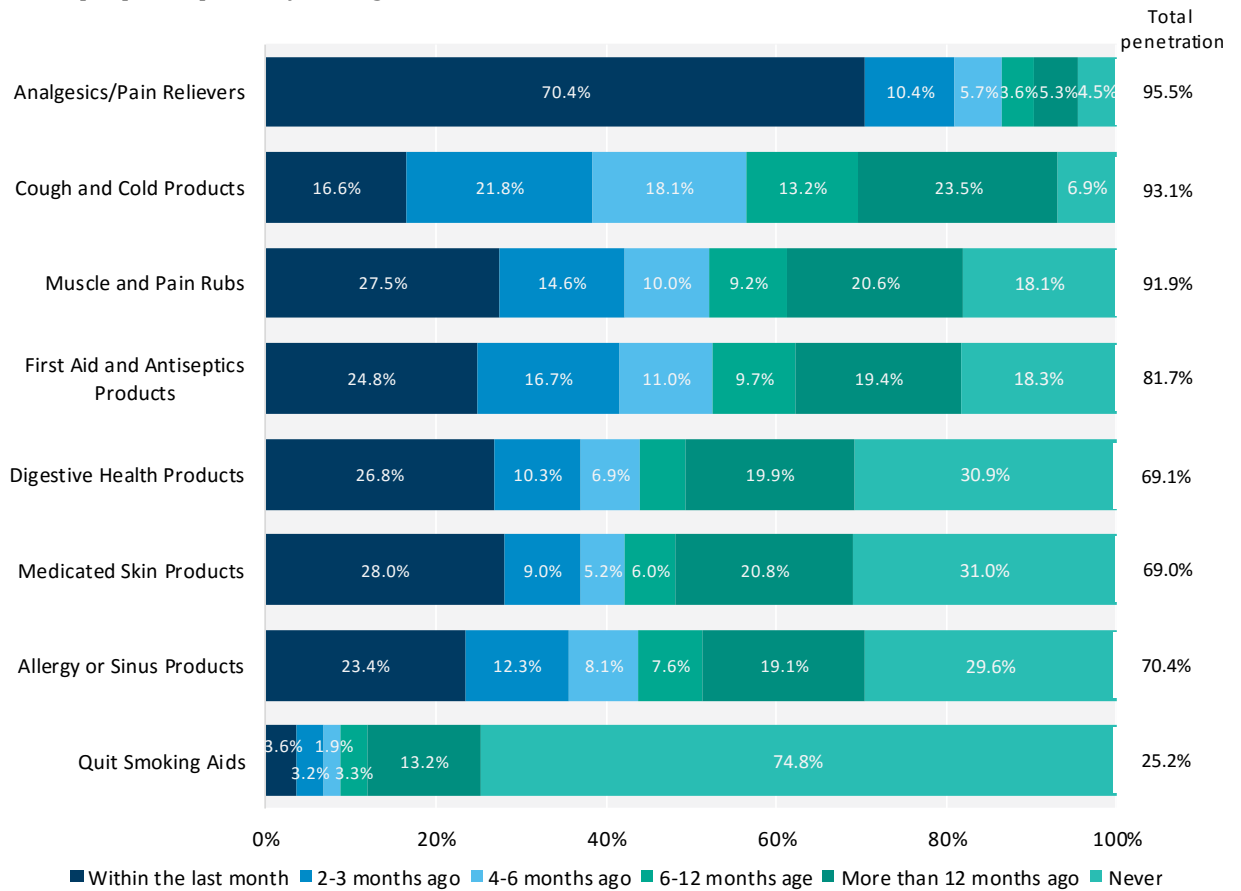


Figure 1.3: OTC category penetration | N:1146

Among the 1146 respondents, more than 70% have taken an analgesic/pain reliever medicine within the last month. This is followed by medicated skin products at 28% and muscle and pain rubs at 27.5% as the second and third major type of medicines taken by respondents within the last month.

Frequency of use by category

In the last 12 months, how many times did you take a particular type of medicine to treat that type of illness or condition?

Pain relievers, products for digestive health and allergy or sinus products have the highest frequency of use, with larger proportions of respondents in these groups reporting taking medicine four or more times within the last 12 months for these conditions than compared with other conditions.

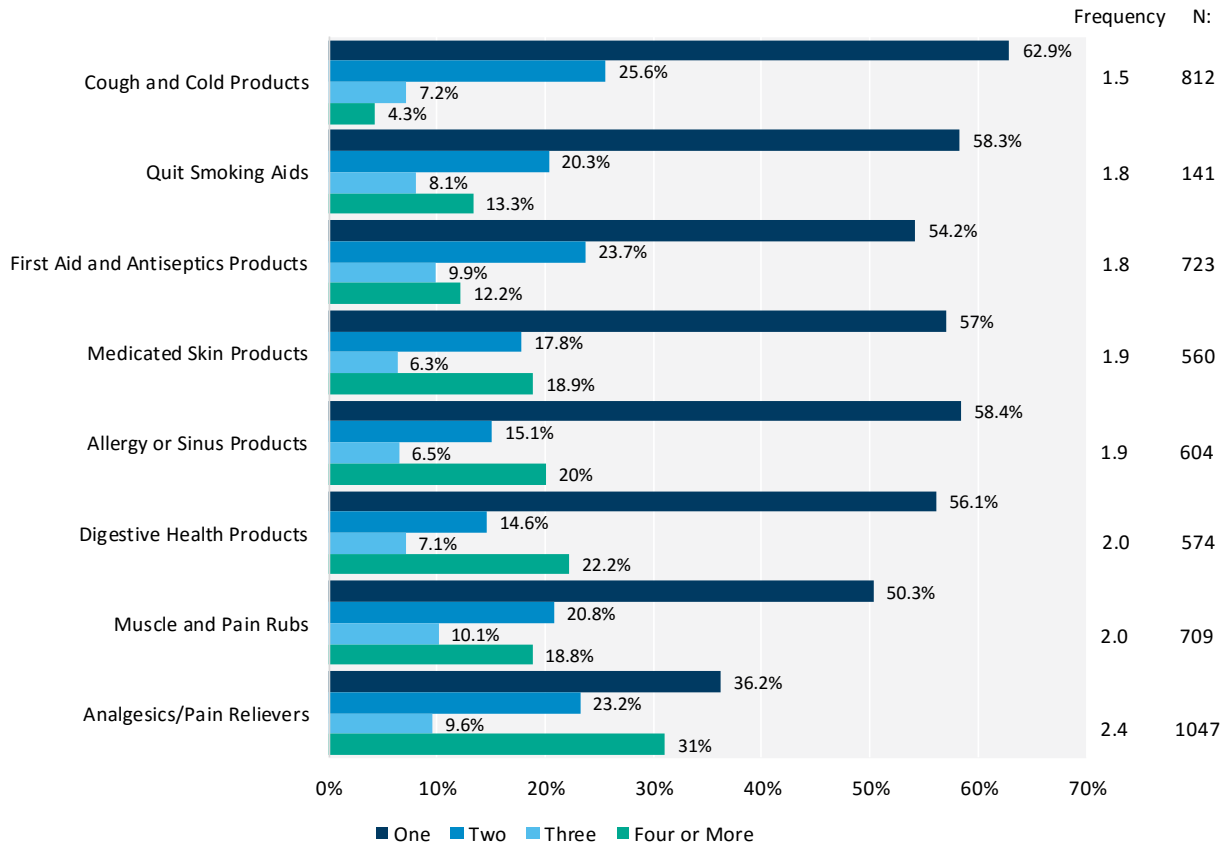


Figure 1.4: Frequency of use by category

Usage duration by category

For how long did you usually take these medicines?

Respondents reported using medicated skin products and quit smoking aids on a daily basis at 20.5%, and 19.9% respectively. While muscle and pain rubs are mainly used for two days (27.6%), cough and cold medicines are mainly taken for a period of three to five days (39.2%). An average use per 90 days is listed for each product (annualised average use is calculated as 4x average use per 90 days).

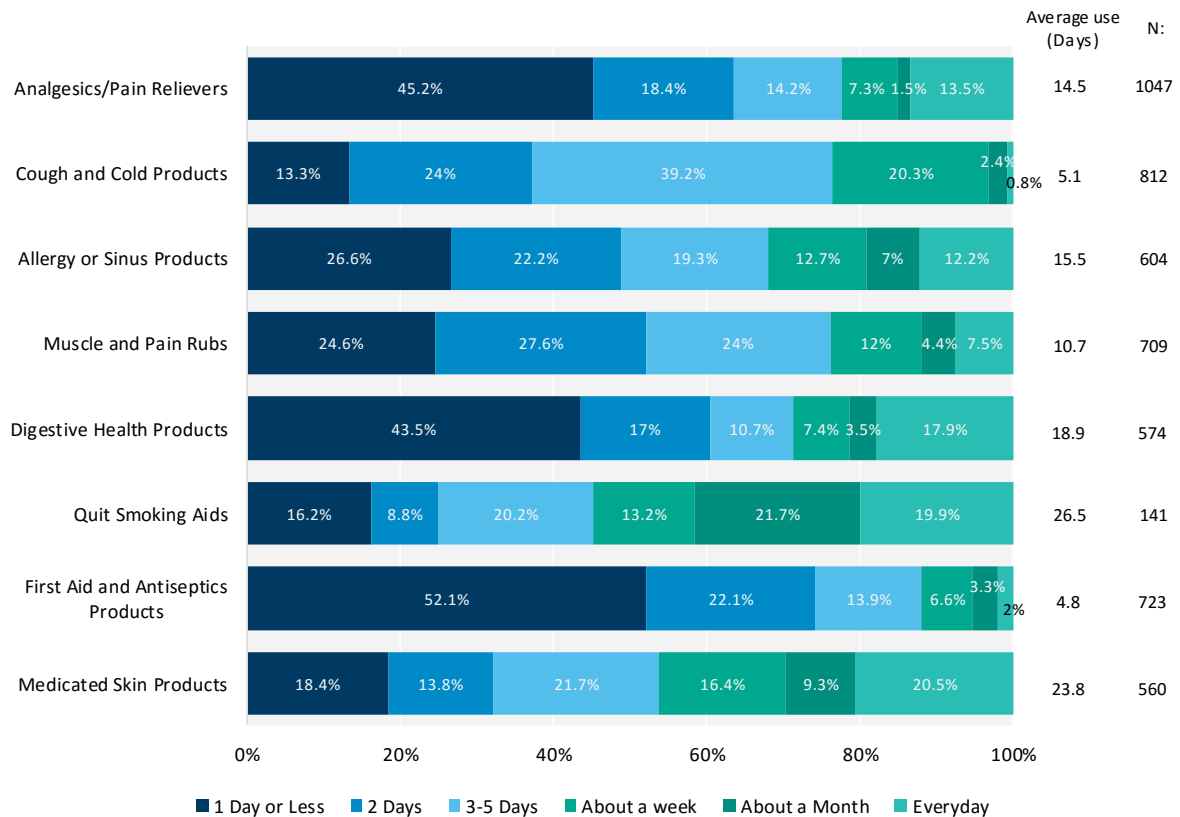


Figure 1.5: Category by duration of usage

Retail split of OTC purchases

Where did you buy the medicine you took?

Overall, 41% of medicines were self-selected either from pharmacy open shelves or front-of-counter. This is followed by purchase from behind-the-counter in the pharmacy at 36%. This split reflects legislative requirements in each state about placement of medicines within pharmacies, not product schedules. A smaller proportion of medicines (23%) is bought from a supermarket.

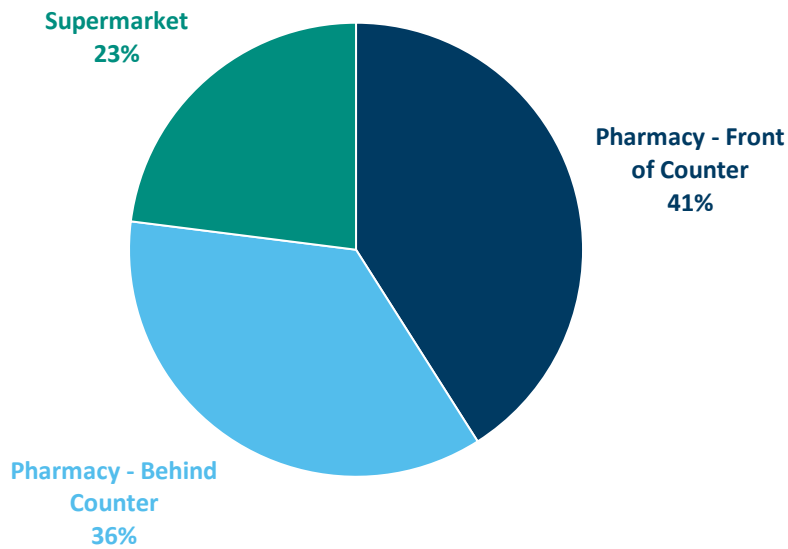


Figure 1.6: Retail split of OTC purchases | N: 1146

Retail split by category of OTC purchases

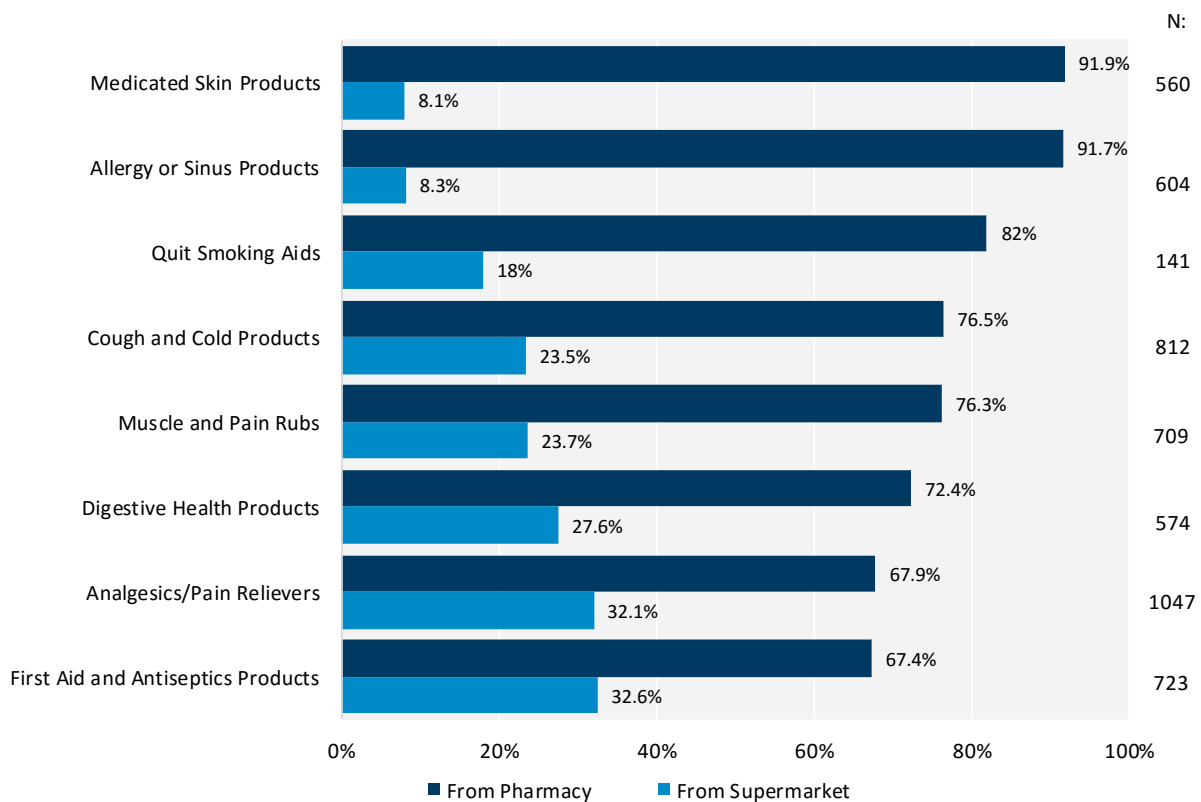


Figure 1.7: Retail channel by OTC categories

Alternative actions from restricting access to OTC medicines - overall

If you could not get the medicine you needed without a prescription, what would you do?

Respondents were asked what they would do if they could not get the medicine they needed without a doctor's prescription. For example, if pain relievers were suddenly up-scheduled to prescription only, what would they do? 51.1% of respondents reported that if they could not get the medicine they needed without a prescription, they would mainly visit their doctor. Alternatively they may also use a home remedy (21%), or decide to "tough it out" by doing nothing (19.3%). A minority (1.5%) said they would consider going to an emergency department. Respondents could choose multiple options for this response and frequently did so.

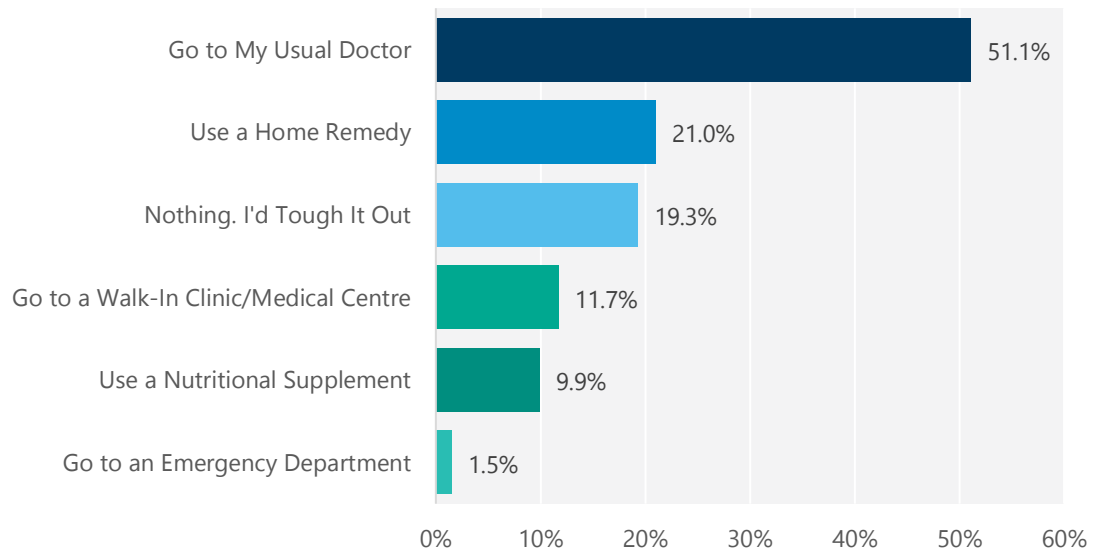


Figure 1.8: Alternative action if OTC unavailable - aggregate | N:1146

Alternative actions from restricting access to OTC medicines - by category

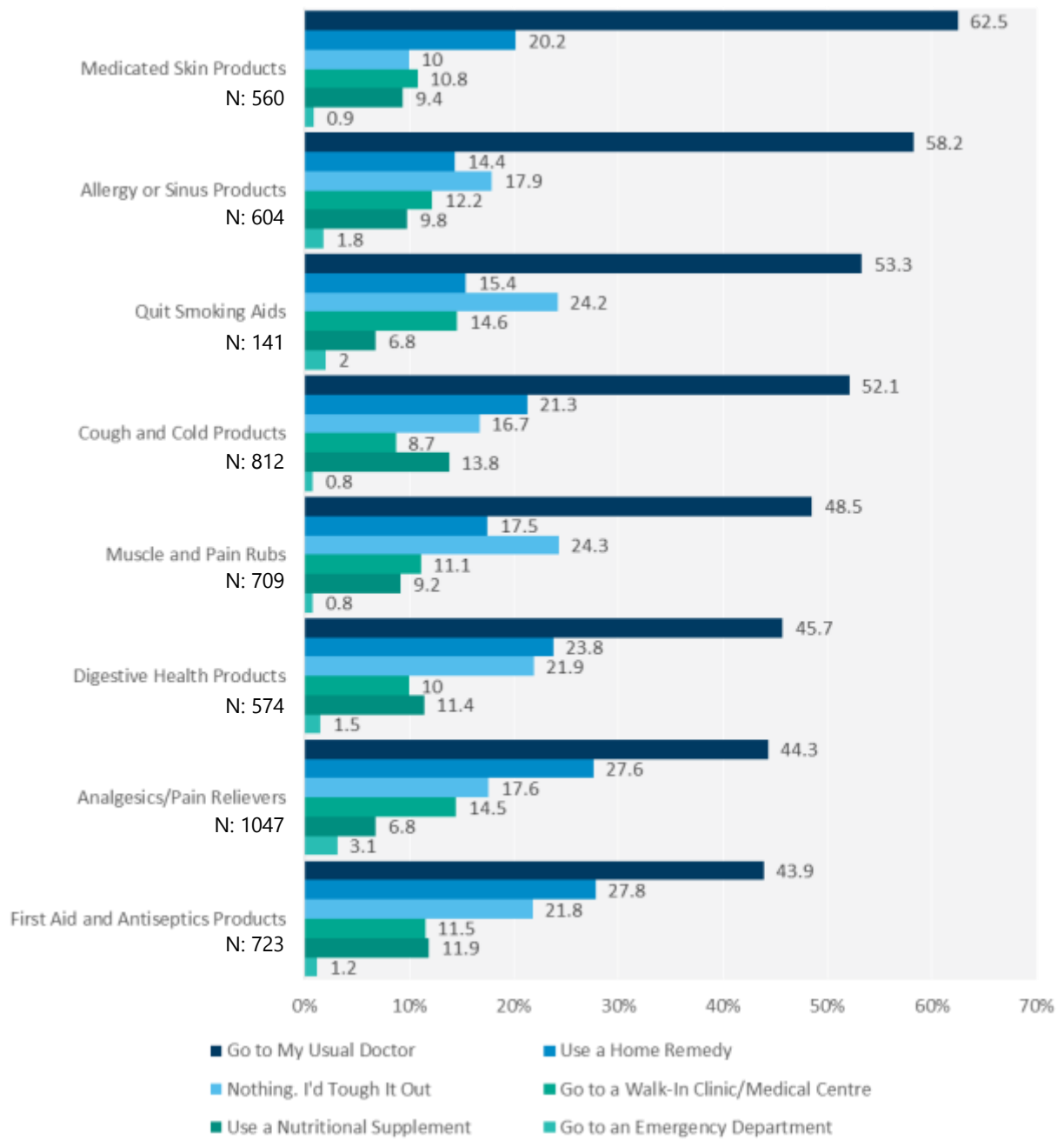


Figure 1.9: Alternative action if OTC unavailable - by category

Days off work by category if OTC medicines were not available without prescription

If you didn't have any access to the medicine below, how many extra days would you be off from work for each illness?

The majority of respondents stated that they prefer to have zero days off from work for any illness. The majority of people also said that they would take one or more days off from work if there were no OTC cough/cold products available.

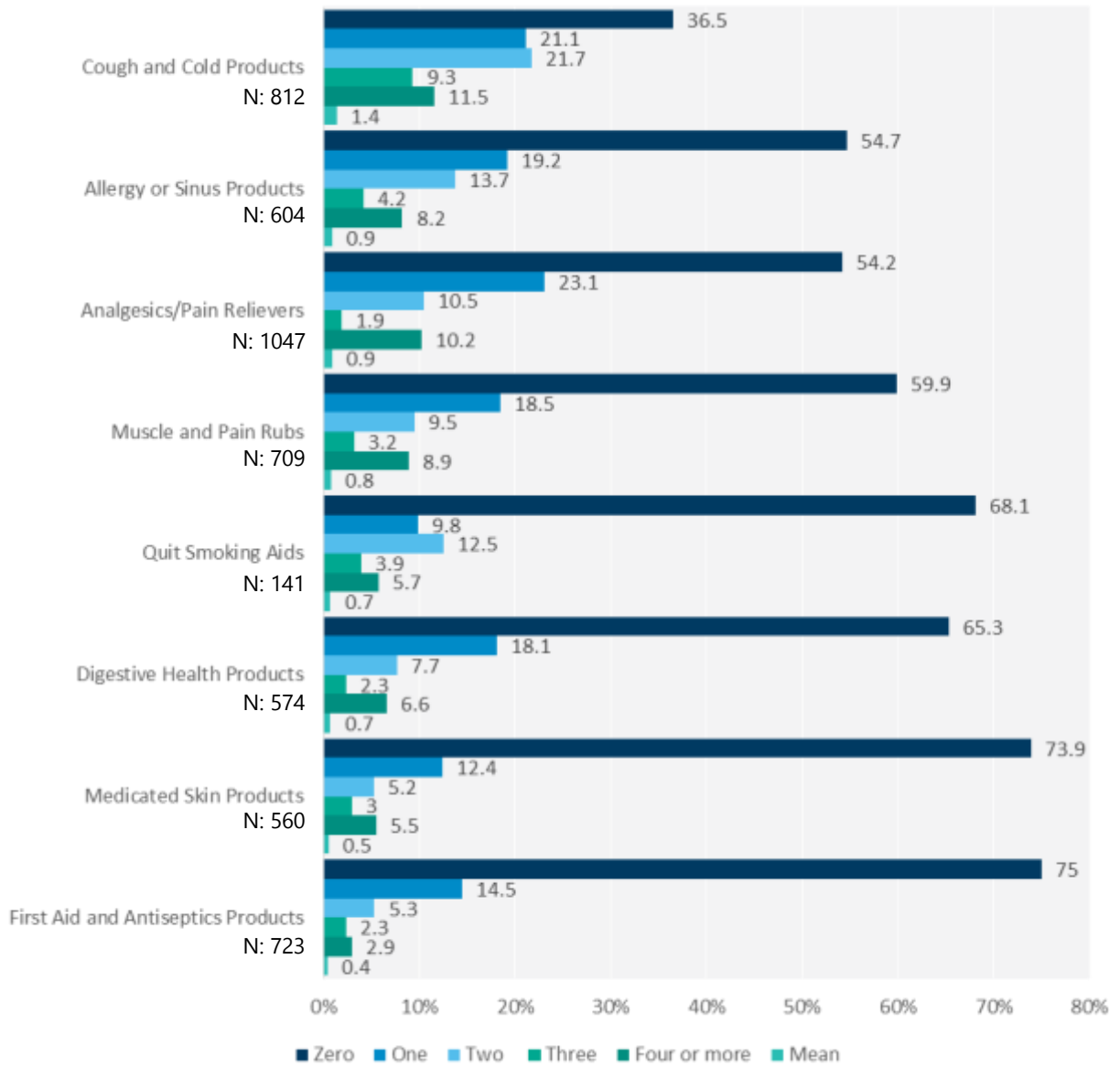


Figure 1.10: Days off work if OTC unavailable - by category

'Urgency of treatment' metric if OTC medicines were not available without prescription - adults

For the medicines below, could you have waited until your next doctor's appointment to get the prescription?

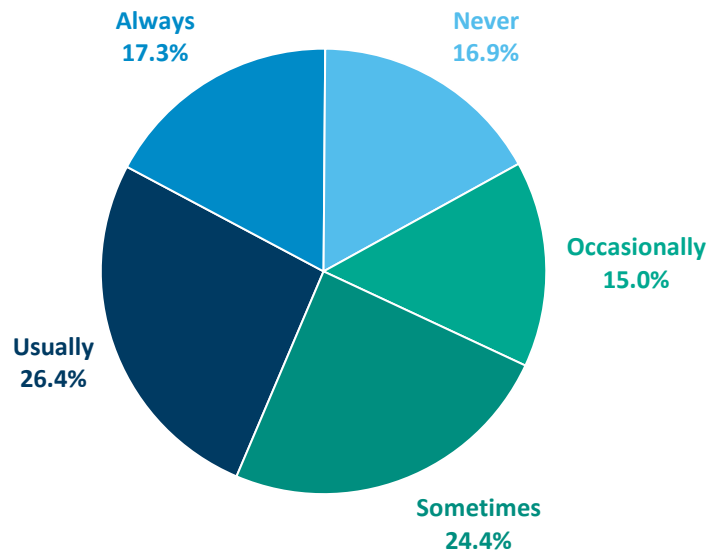


Figure 1.11: Ability to defer doctor visit if OTC unavailable - aggregate | N:1146

Approximately 16.9% of people surveyed said they can never wait for their next doctor's appointment to get the prescription, particularly if the relief they need is urgent such as an analgesic/pain reliever. In contrast, 17.3% of respondents reported that they can always wait for their next doctor's appointment especially if the medicine they need is first aid and antiseptics products. The results are mixed for quit smoking aids.

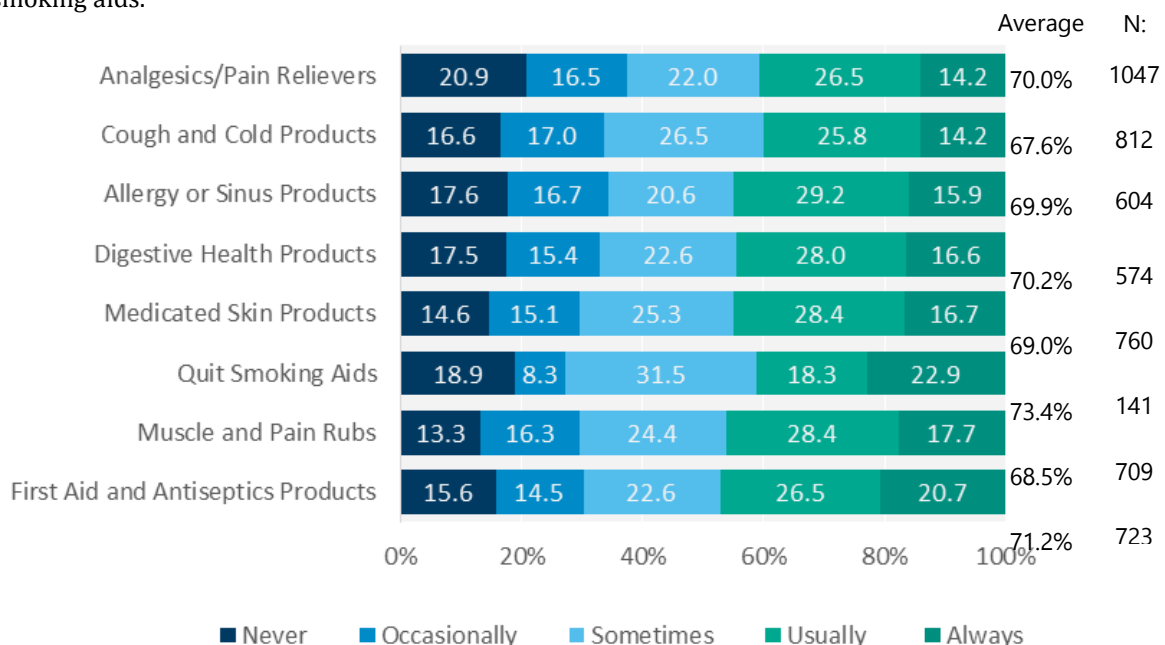


Figure 1.12: Ability to defer doctor visit if OTC unavailable - by category

The averages quoted to the right of the graph represent the position, from the left of the graph, of the mean "ability to defer" for their respective categories. They all lie between 67-72% and in all cases the average respondent reported that they could "usually" defer a visit to the doctor if the OTC medicine they wanted was unavailable.

1.2 Usage of OTC medicines by children/dependants

Of the total 1146 respondents only 807 reported on children or dependants.

Usage of OTC medicines in the last month

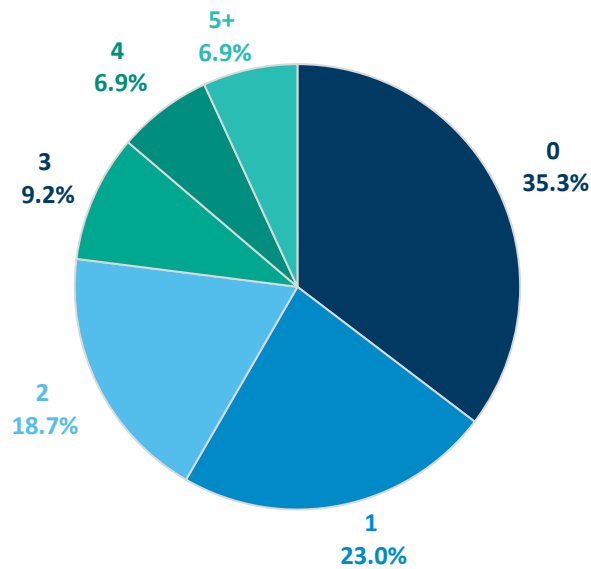


Figure 1.13: OTC usage by children/dependants in the last month | N:807

Of the children and dependants in the survey, 65% used an OTC medicine once or more in the last month.

Usage of OTC medicines in the last year

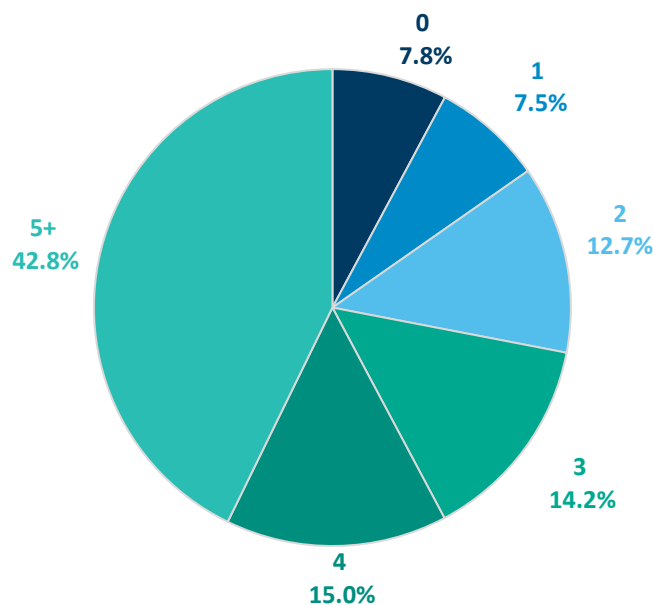


Figure 1.14: OTC usage by children/dependants in the last year | N:807

58% of children and dependants had used an OTC four or more times in the last twelve months, while only 7.8% had not used an OTC for their child/dependant in the last year. Children and dependants tended to use five or more OTC medicines, taking up 42.8% of all use.

Penetration of child population - tables by category

When did your children (child under 18) or family member last take this type of medicine?

Analgesics/pain relievers are the main medicine that has been taken by children/dependants (supervised by a primary person), within the last month. Similarly, cough and cold medicine has been the main medicine taken within the last two to twelve months. In contrast, the majority of respondents in this sample (80.3%) have never taken a quit smoking medicine. Given the age limitation on these products, this low penetration is not surprising.

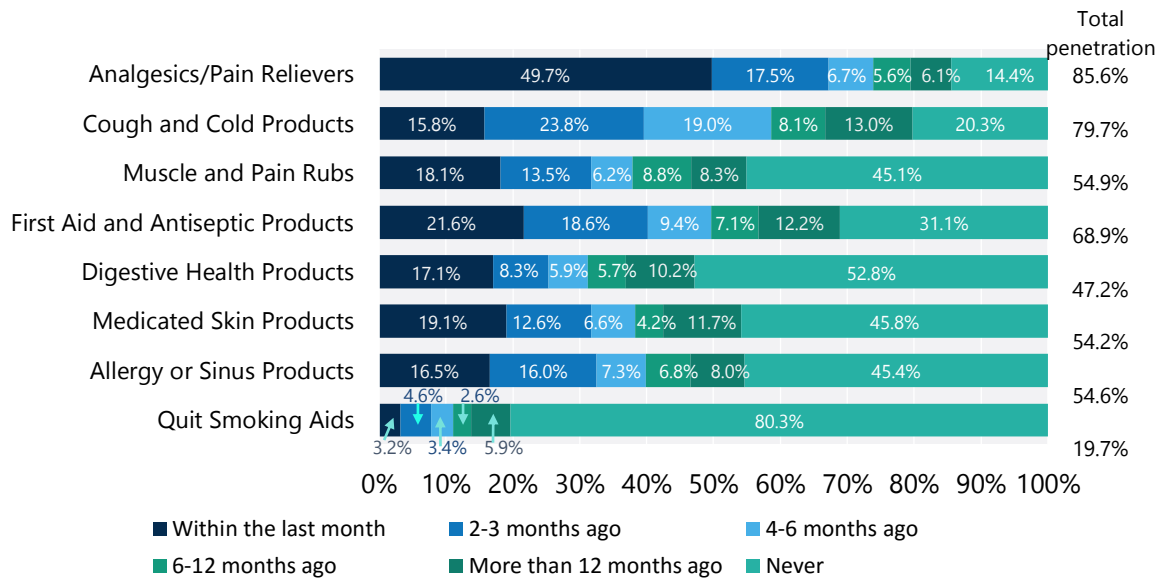


Figure 1.15: Incidence of usage by children/dependants - by category | N:807

Average frequency of use – adults vs. children/dependants

On average over the last 12 months, how many times did your children/dependants take a particular type of medicine to treat that type of illness or condition?

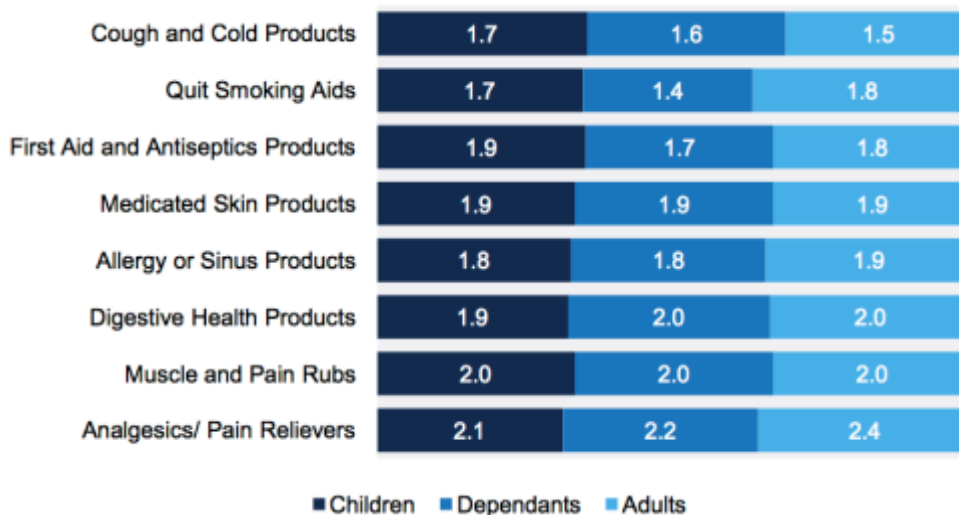


Figure 1.16: Average frequency of use by category – children/dependants vs. adults

Analgesic/pain relievers are slightly more prevalent among adults compared to their children and dependants. By contrast, although the difference is only small, the usage of cough and cold products and first aid and antiseptics products is higher among children.

Usage duration by category

For how long did your children/dependants usually take these medicines?

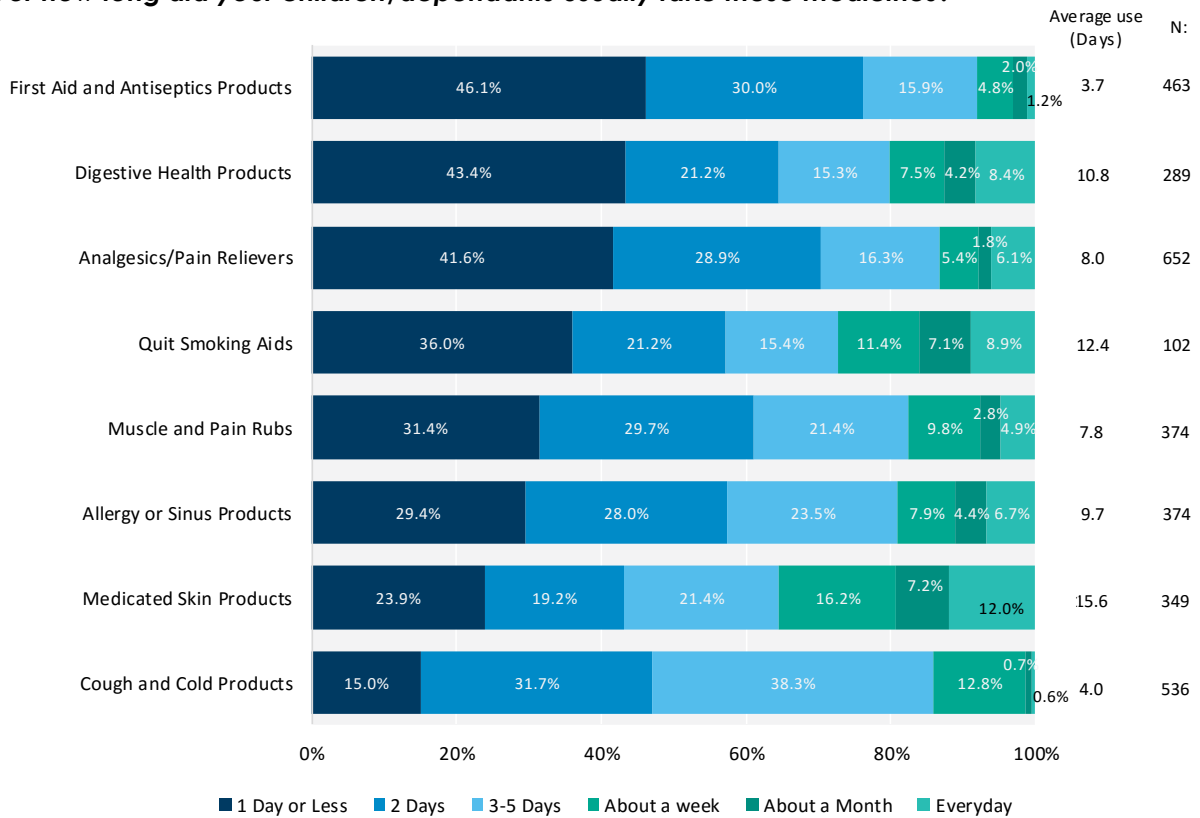


Figure 1.17: Usage duration by children/dependants - by category

Retail split by category

Where did you buy the medicine for your child/dependant?

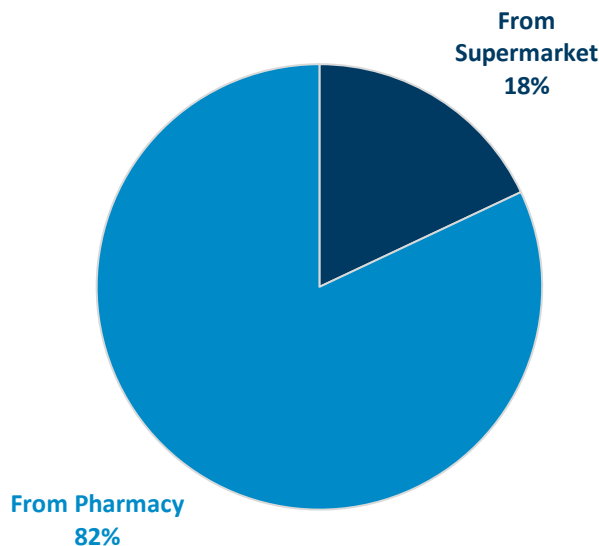


Figure 1.18: Retail split of OTC purchase bought for children/dependants- aggregate | N:807

The majority of medicines taken by children were bought from a pharmacy (82%). In only 18% of cases the medicine taken by children (mainly first aid and antiseptics products) was bought from a supermarket. Allergy or sinus and medicated skin products are two main products bought from a pharmacy as opposed to a supermarket.

Channel split – OTC purchases for children/dependants

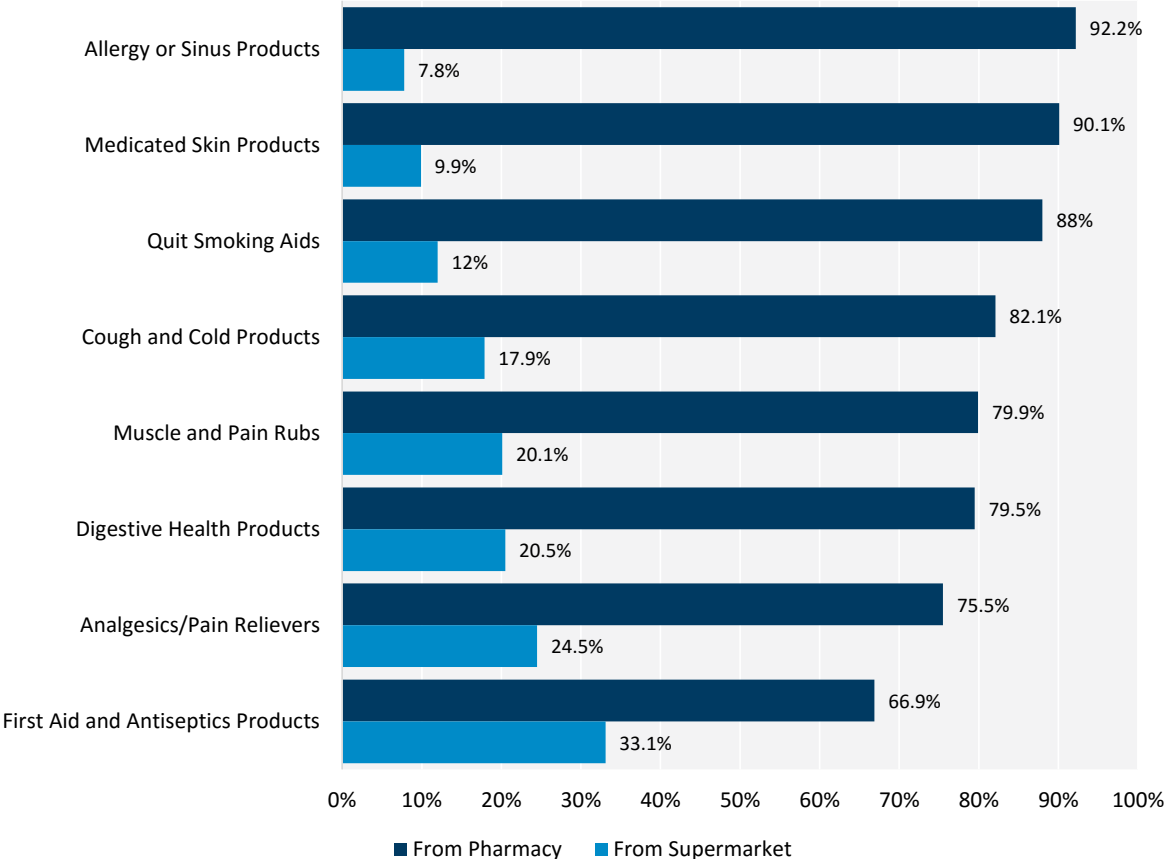


Figure 1.19: Retail split of OTC purchase bought for children/dependants - by category | N:807

Pharmacy appears to be the preferred retail channel for the majority of OTC purchases for children/dependants.

Alternative actions from restricting access to OTC medicines – Doctors' visits for children/dependants

If your child/dependant could not get the medicine they needed without a prescription, what would you do?

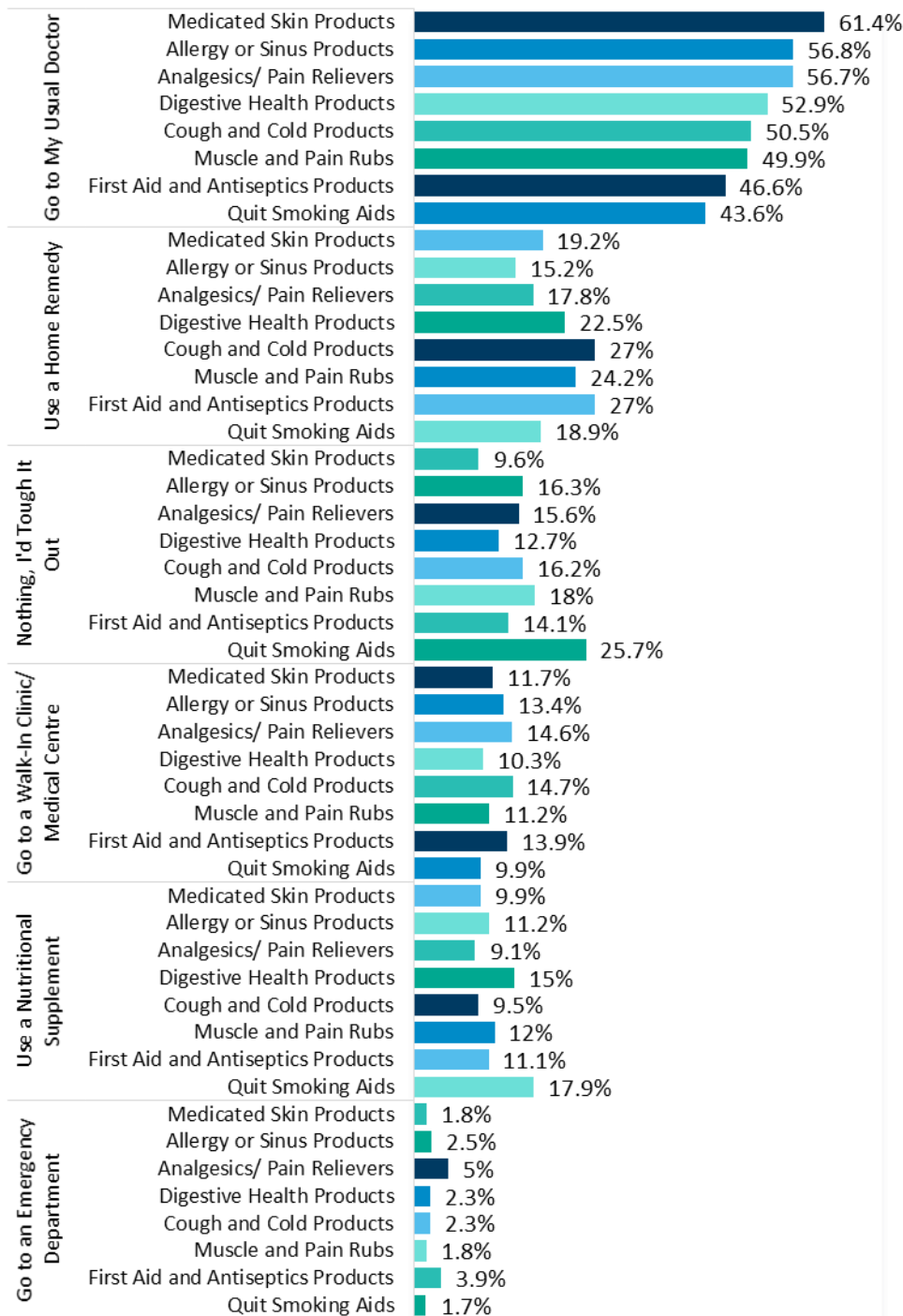


Figure 1.20: Alternative action if OTC unavailable for children/dependants – by category | N:807

The majority of respondents reported that they would visit their doctor if their children (or dependant family member) could not get the medicine they needed without a prescription. This applies particularly for medicated skin products, allergy or sinus and analgesics/ pain relievers. For all different types of medicines, going to an emergency department is the least likely approach.

Estimated time off school if OTC medicines were not available without prescription

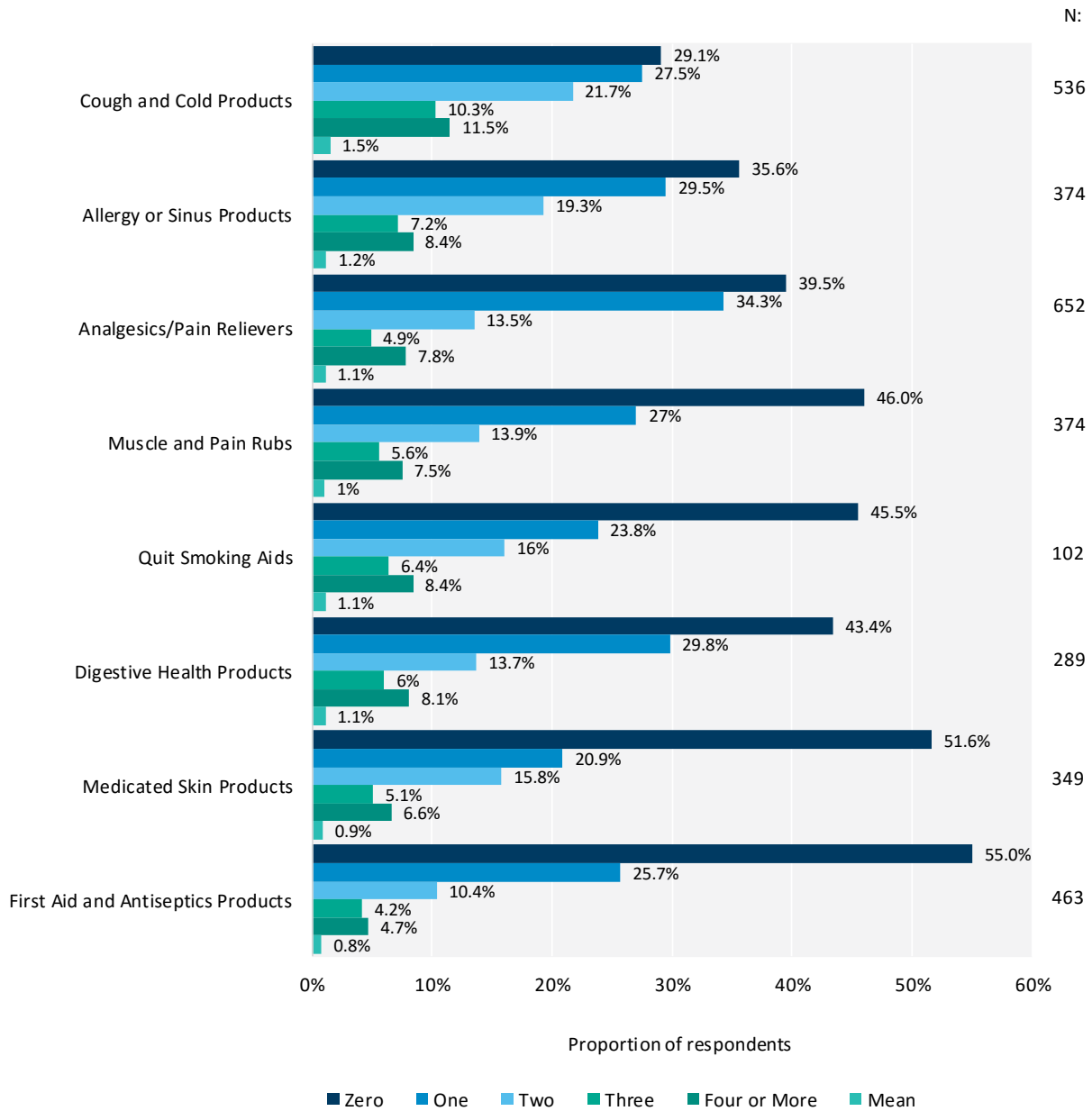


Figure 1.21: Days off school if OTC is unavailable –by category

If an OTC solution was unavailable, the most impacted condition is cough and cold, with 45% taking two or more days off school. While children are least likely to miss school due to the lack of access to first aid and antiseptic products (55%) and medicated skin products (51%), the main reason to be off from school for just one day would be in response to no OTC availability of analgesics/pain relievers at 34%, followed by digestive health at 30%.

Estimated time off work for parent/carer if OTC medicines were not available without prescription

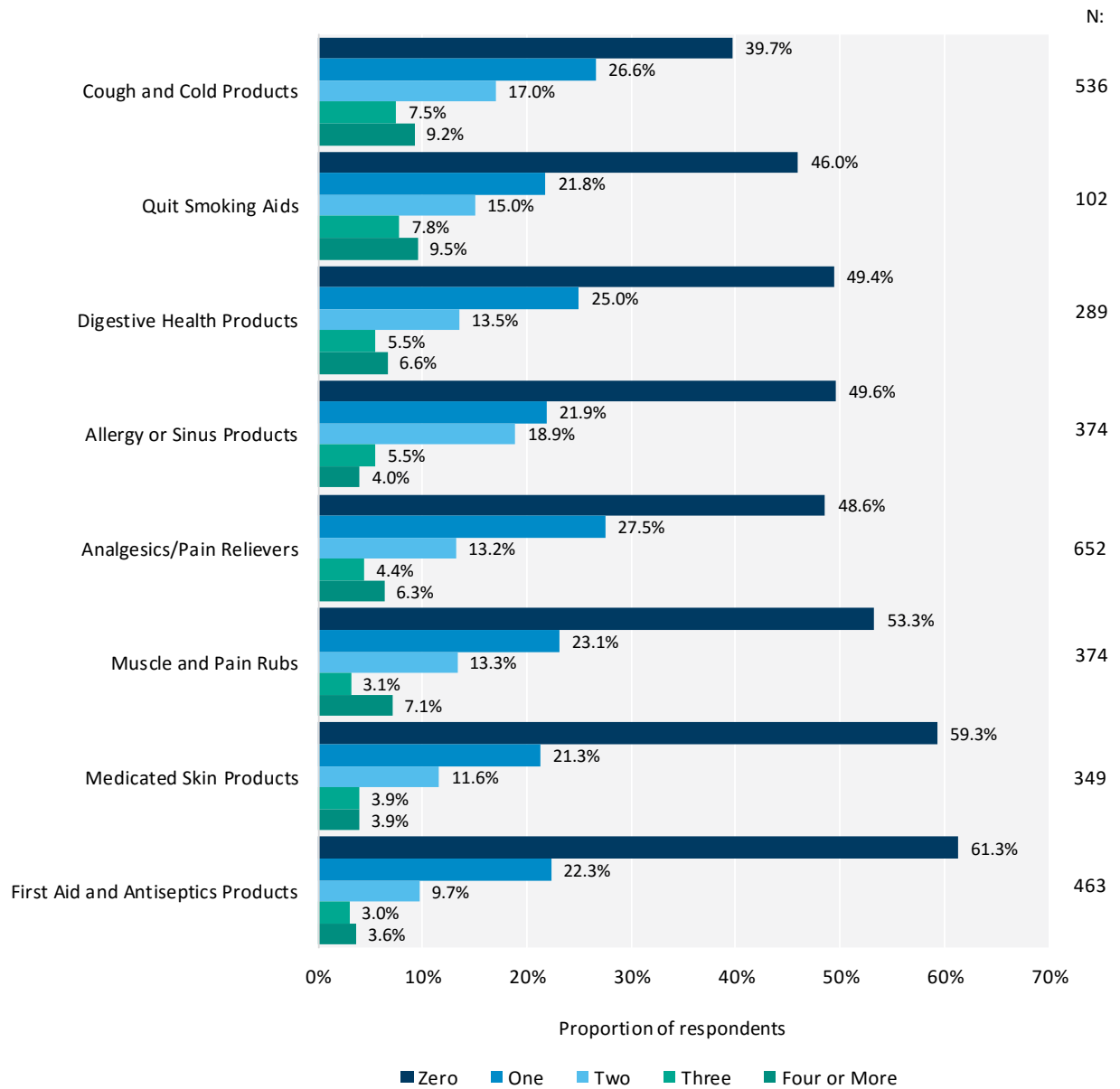


Figure 1.22: Days off work if child/dependant sick and OTC medicine unavailable - by category

The above chart identifies the corresponding time off work for the parent/carer when the child/dependant is suffering from a condition with no OTC option available.

No OTC available without prescription – adults vs. children/dependants



Figure 1.23: Alternative action if OTC unavailable – adults vs. children/dependants – by category

In comparison, respondents are less likely to tough it out when it comes to their children and family members; instead they are more likely to visit their doctor when their children need a treatment, particularly if there is no OTC available.

'Urgency of treatment' metric if OTC medicines were not available without prescription – children/dependants

Could your children have waited until their next doctor's appointment to get a prescription?

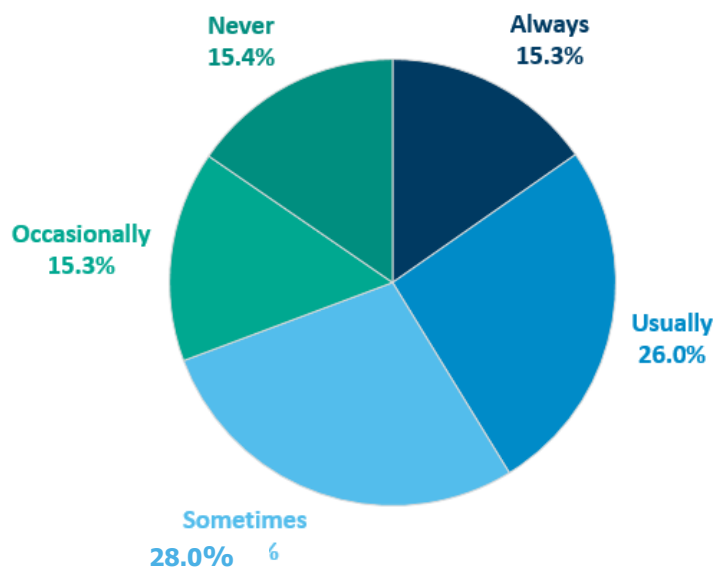


Figure 1.24: Ability to defer doctor visit if OTC unavailable – children/dependants | N:807

Similar to adult respondents, in around 85% of cases, children can to some degree wait until their next doctor's appointment.

1.3 Shopping Behaviour

Retail channel split as a proportion of population

Approximately what percentage of the time do you buy OTC medicines from a pharmacy or a supermarket?

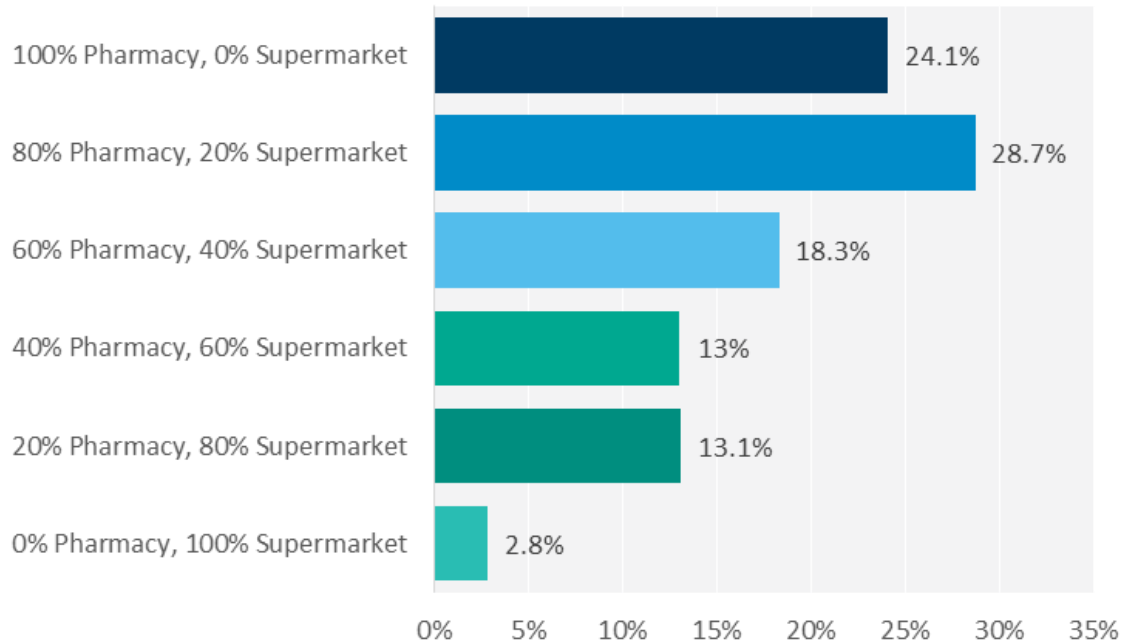


Figure 1.25: Retail channel split - pharmacy vs. supermarket - aggregate | N:1146

Pharmacy remains the main retail channel for OTC medicines. For 24% of people surveyed, pharmacy is the only channel of purchase (100% pharmacy, 0% supermarket). In contrast, only 2.8% of people buy OTC medicines exclusively from supermarkets.

Retail channel preferences by gender

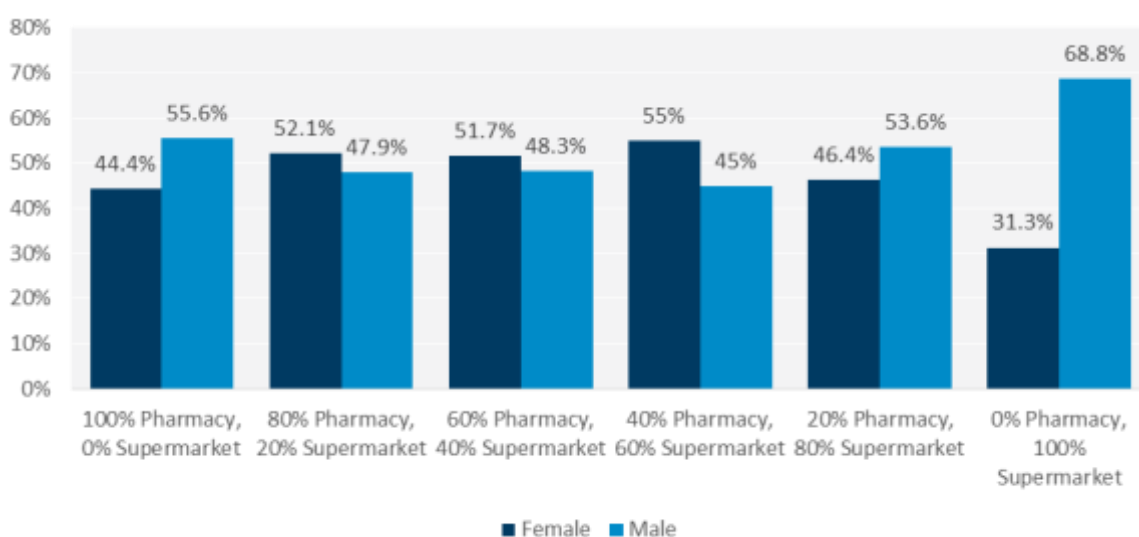


Figure 1.26: Retail channel split - pharmacy vs. supermarket - by gender | N:1146

On average, females are less likely to buy OTC medicines from supermarkets compared to males.

OTC purchases – immediate use vs. pantry stock

Approximately what percentage of the time do you buy OTC medicines because you need them immediately as opposed to because you are stocking the pantry?

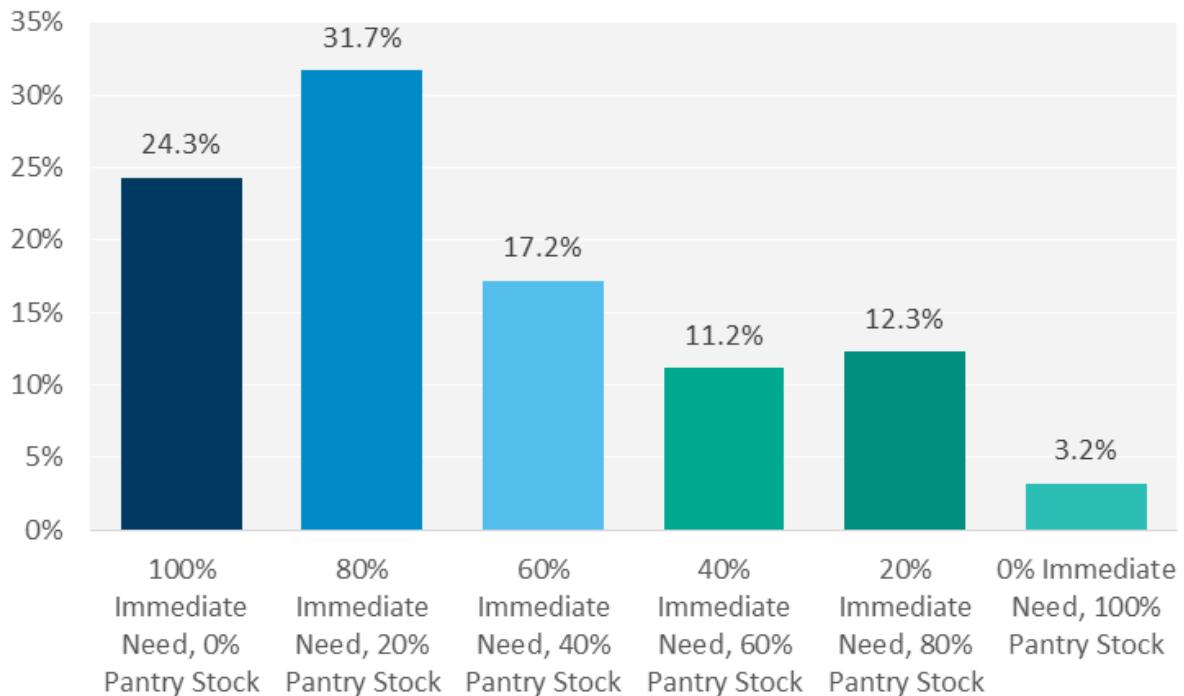


Figure 1.27: OTC purchases – immediate need vs. pantry stock | N:1146

Overall, immediate need is the main reason to buy OTC medicine.

1.4 Examining the attitudes of Australian OTC shoppers

Respondents were also asked their general attitudes toward OTC medicines. They were asked to either agree or disagree with 55 statements about OTC medicines. The response scale ranged from strongly agree to strongly disagree. These attitudes are listed below in order from the most agreed to statements to the least agreed to statements, with the aggregated response marked by a light blue line. The main influences in choosing an OTC medicine are packet directions on usage and dosage, family recommendations, pharmacy staff advice and accessibility.

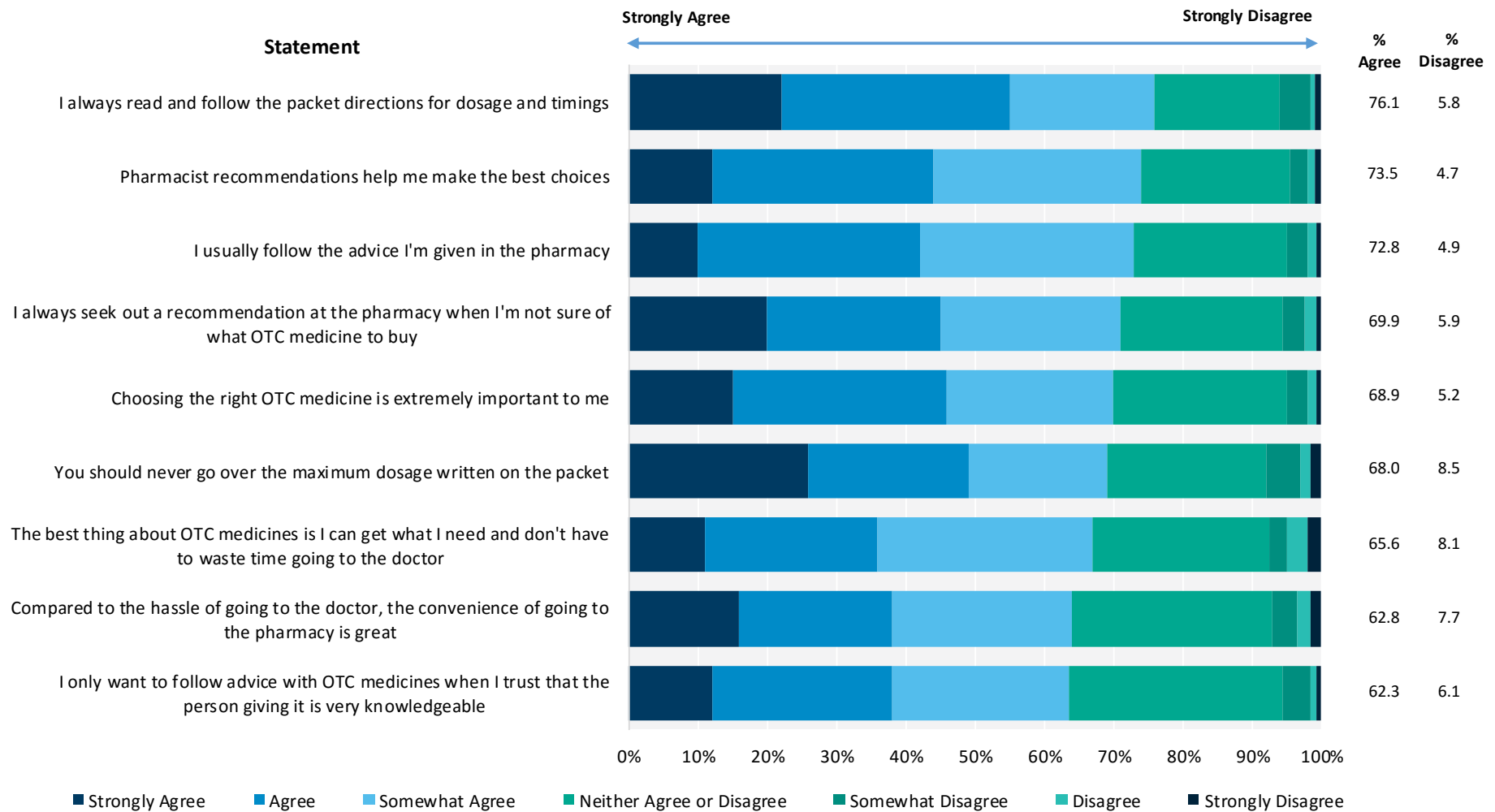


Figure 1.28: Attitudes towards OTC medicines (1/5) | N: 1146

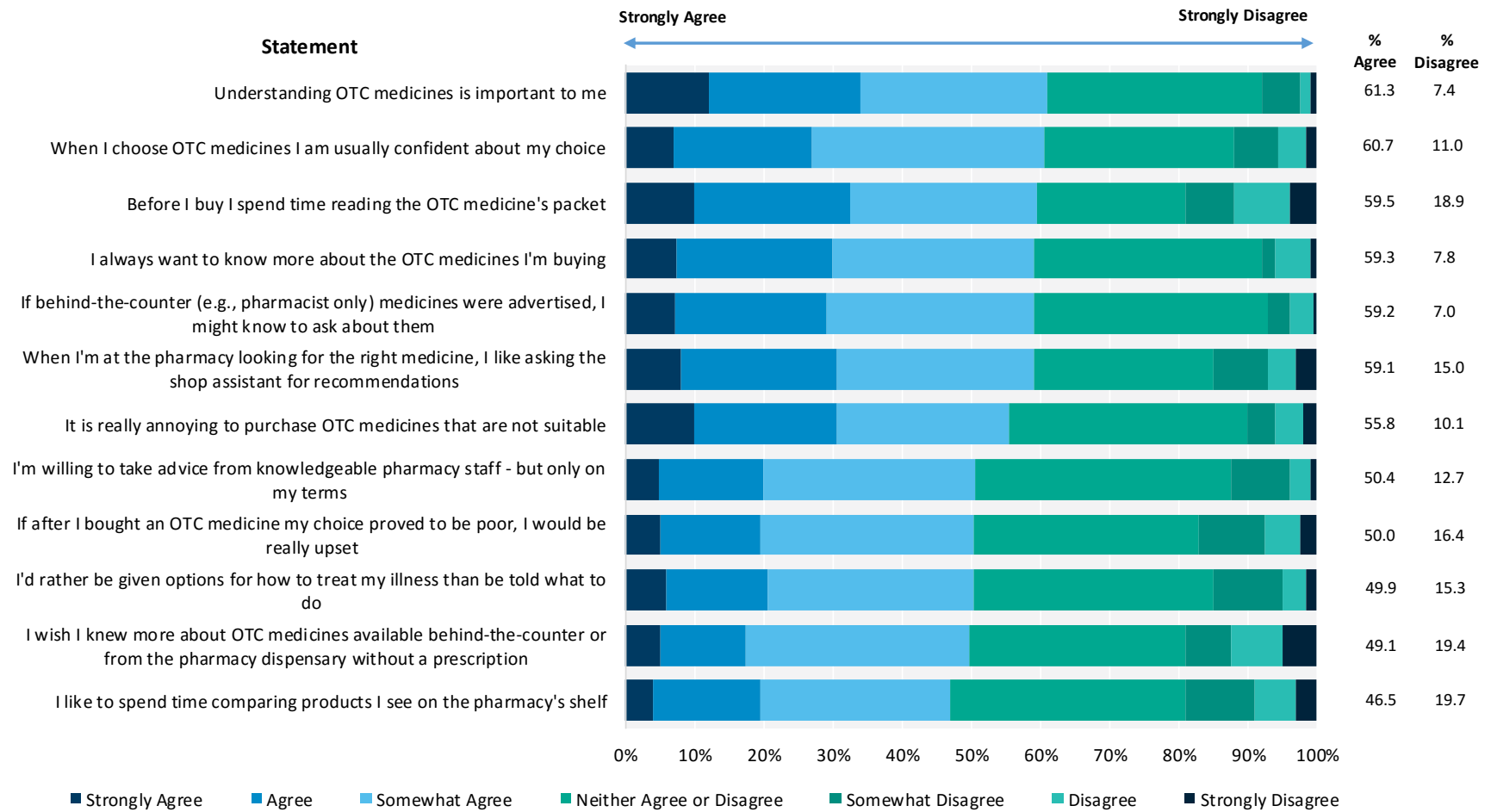


Figure 1.29: Attitudes towards OTC medicines (2/5) | N:1146

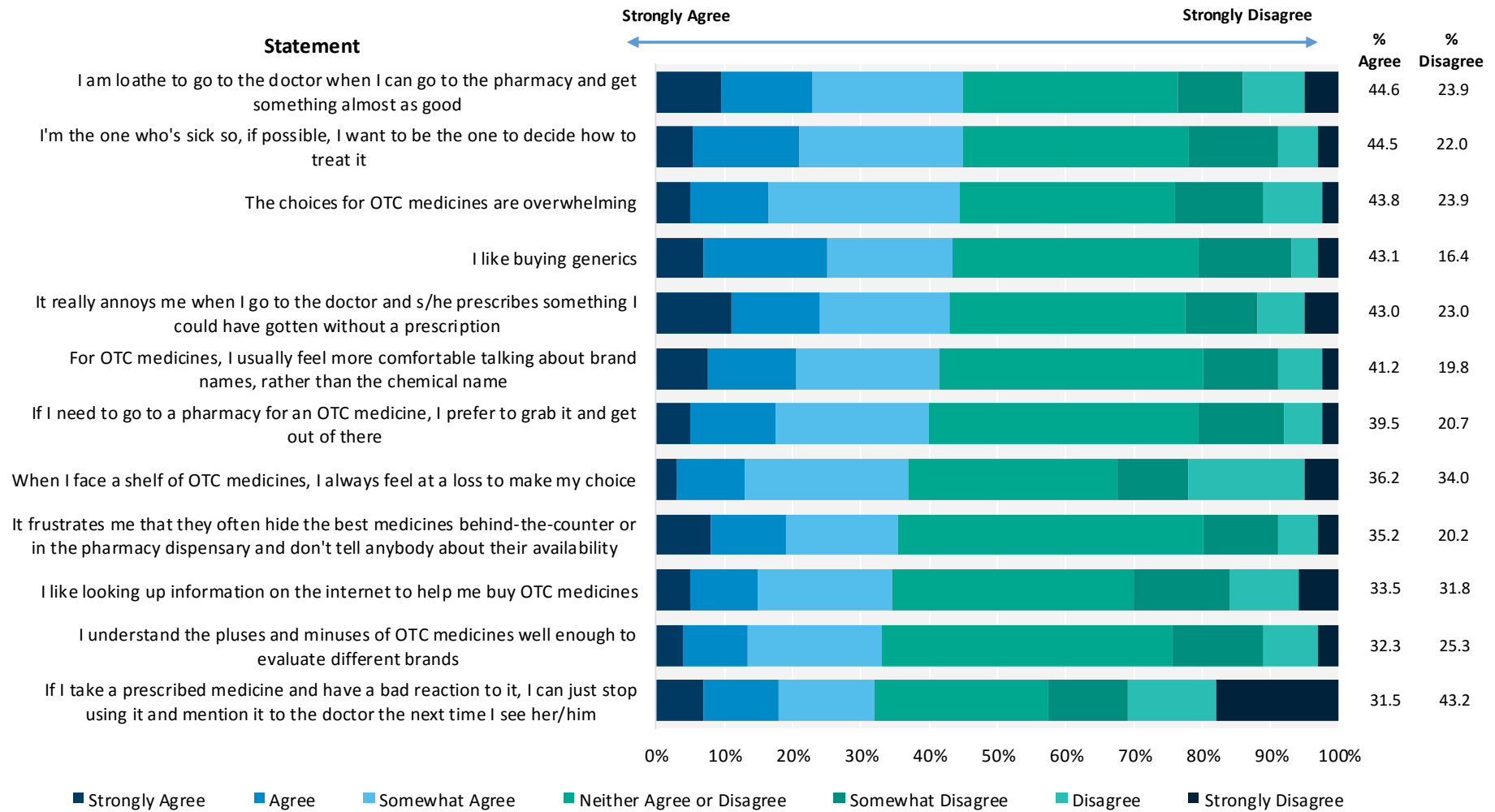


Figure 1.30: Attitudes towards OTC medicines (3/5) | N: 1146

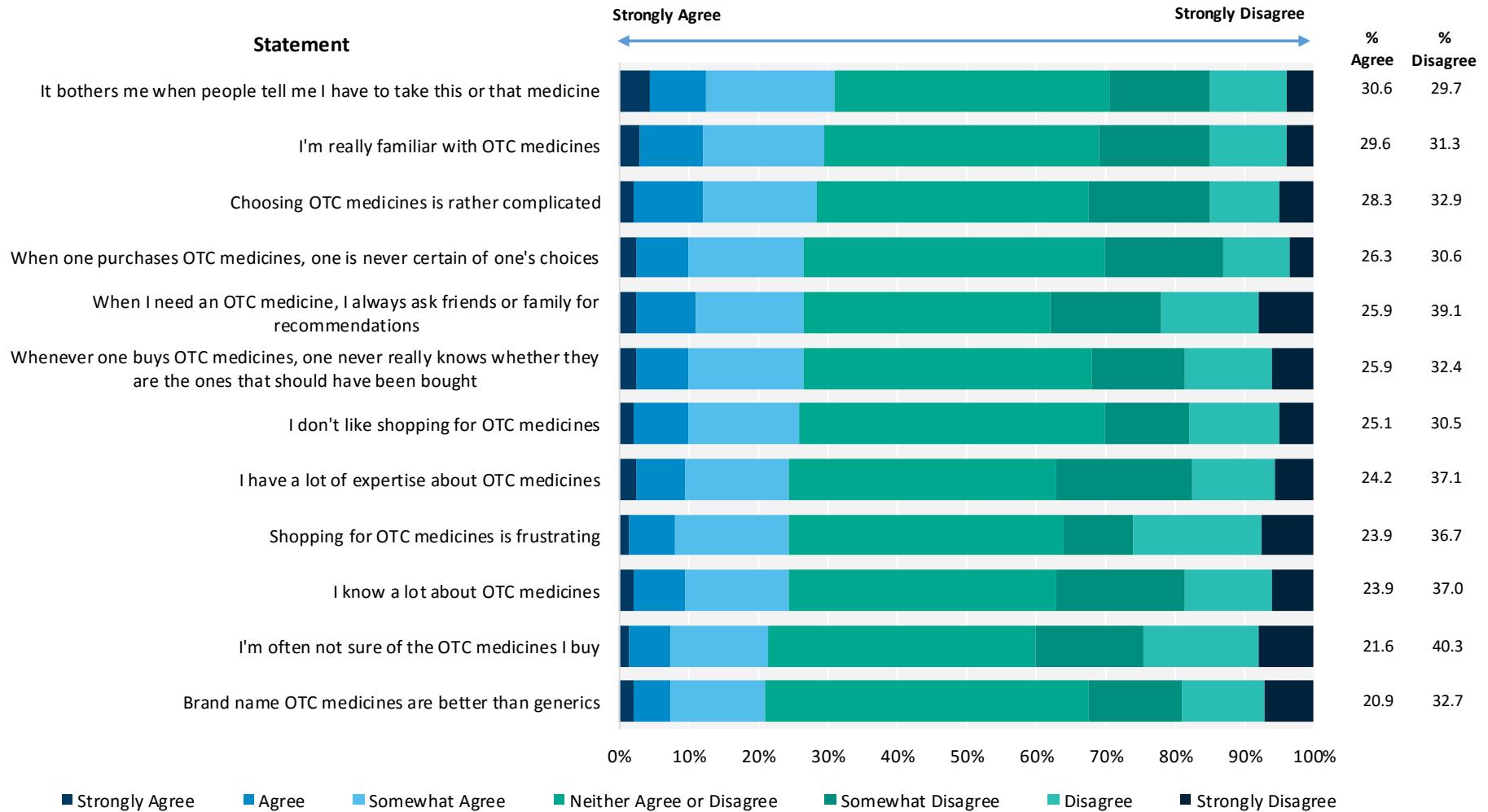


Figure 1.31: Attitudes towards OTC medicines (4/5) | N: 1146

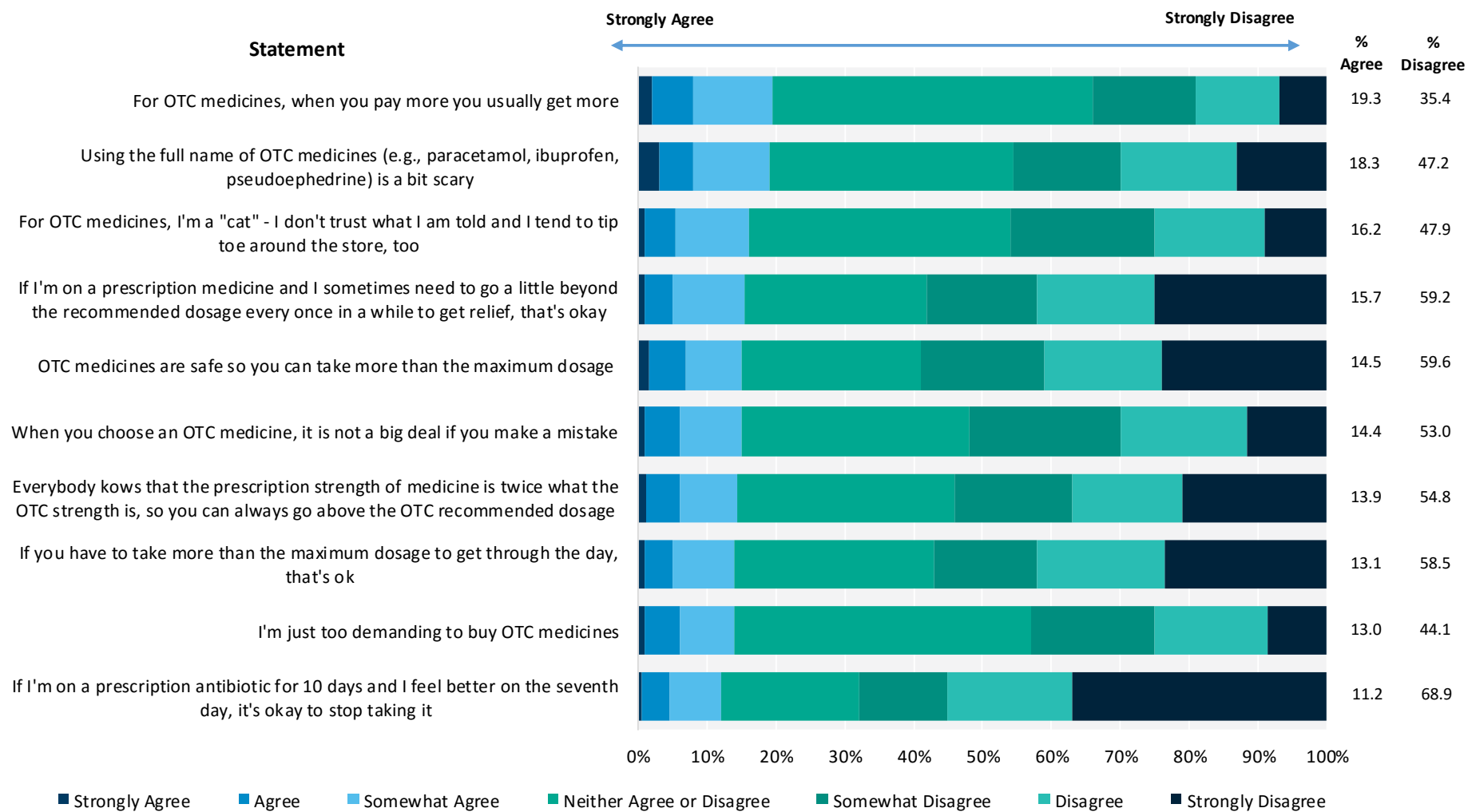


Figure 1.32: Attitudes towards OTC medicines (5/5) | N: 1146

SECTION 2:

How do consumers use vitamins, minerals and supplements?

2.1 Penetration and usage of VMS products by adults

Usage of VMS in the last year

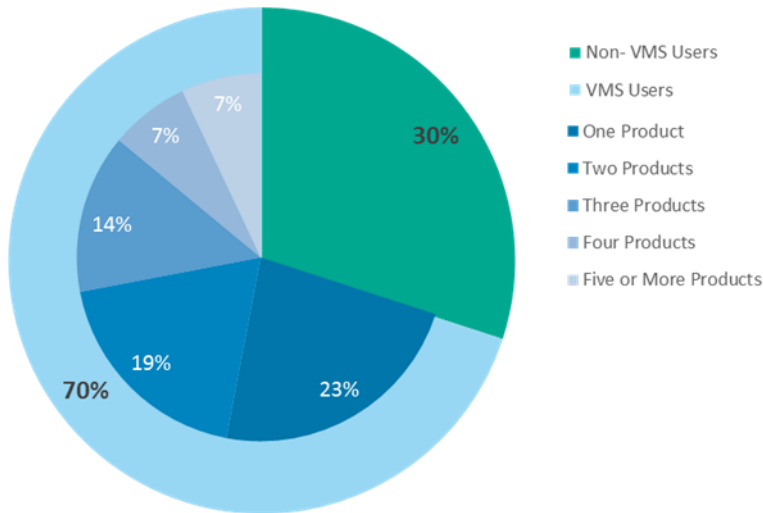
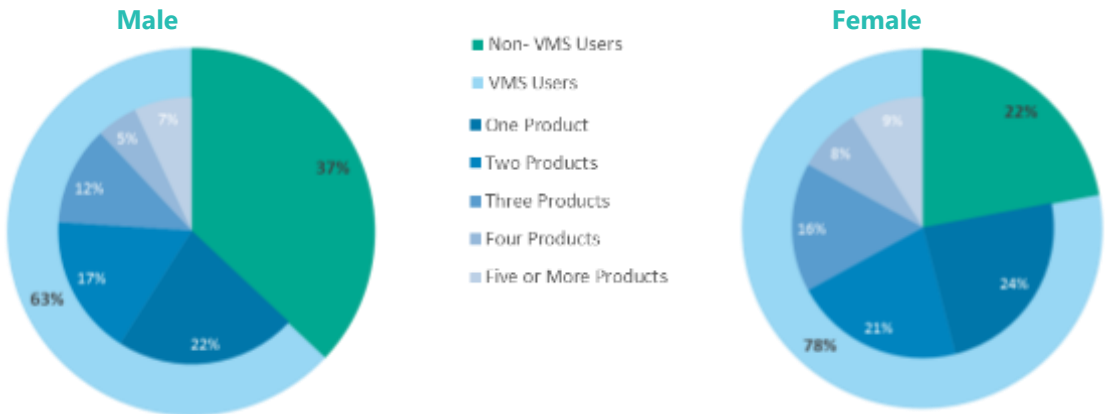


Figure 2.1: Number of VMS used | N:1146

70% of respondents have used VMS products in the last year, with 47% using 2 or more types.

VMS usage by gender



Figures 2.2/2.3: Penetration and number of VMS by gender | N:1146

Usage of VMS in the last year is higher amongst females at 78% versus males at 63%. Usage of multiple VMS products (2 or more) is also higher amongst females at 54% versus 41% for males.

VMS users split by age

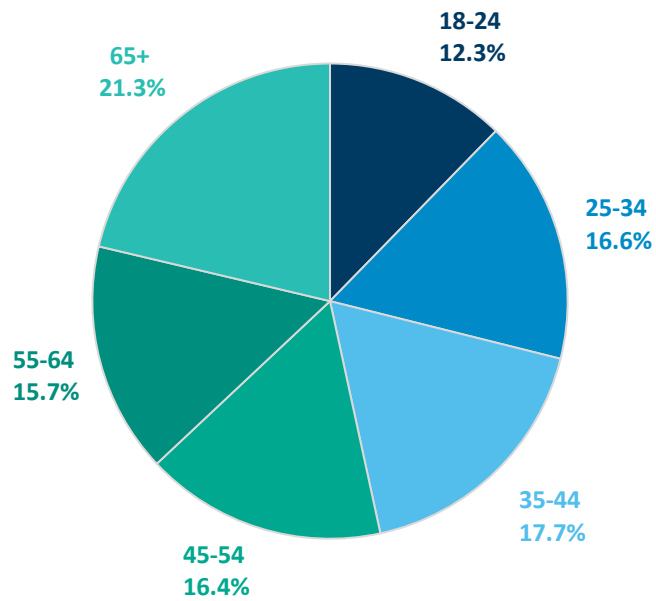


Figure 2.4: Penetration of VMS users by age | N:802

37.0% of respondent VMS users were aged 55 or over, compared with 33.4% of the Australian population being in this age group.

Usage of VMS by age group

The following charts depict the usage of VMS products within discrete age groups. Usage of VMS is fairly consistent across all age groups, the overall penetration range being 65 – 73%. Each figure in this set of charts is based on N:1146.

Ages 18-24

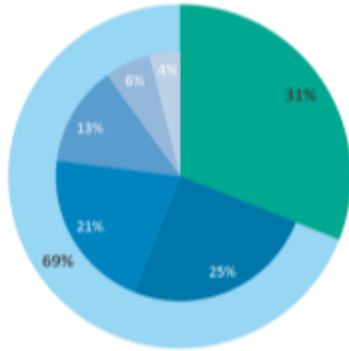


Figure 2.5: Usage of VMS by ages 18-24
44

Ages 25-34

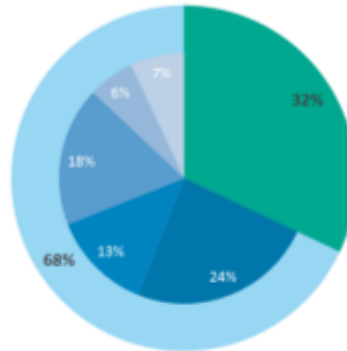


Figure 2.6: Usage of VMS by ages 25-34

Ages 35-44

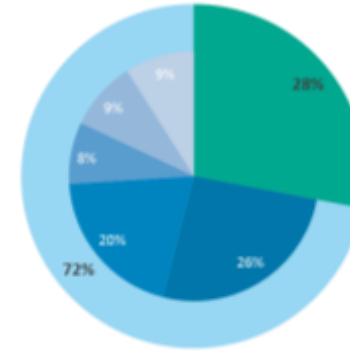


Figure 2.7: Usage of VMS by ages 35-44



Ages 45-54

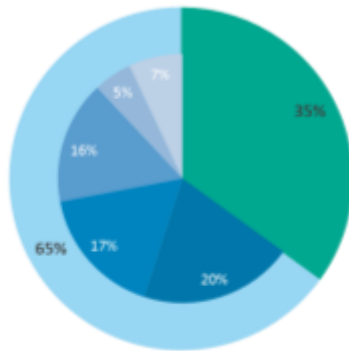


Figure 2.8: Usage of VMS by ages 45-54

Ages 55-64

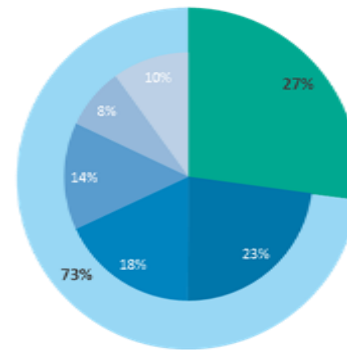


Figure 2.9: Usage of VMS by ages 55-64

Ages 65+

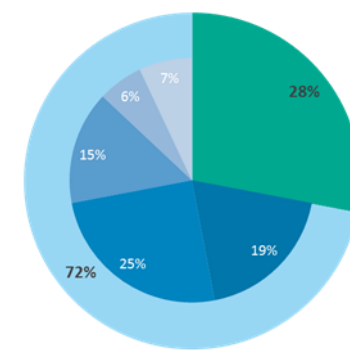


Figure 2.10: Usage of VMS by ages 65+

VMS usage by education level

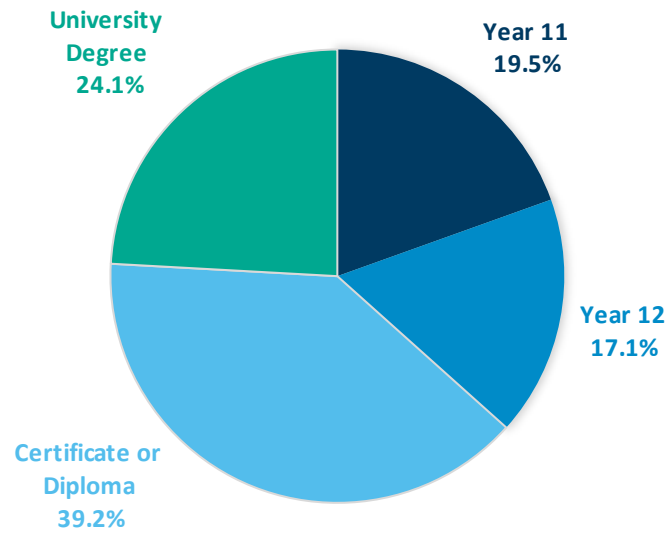


Figure 2.11: Penetration of VMS users by education | N:802

63.3% of respondent VMS users had a post-secondary education, compared with 33.1% of the Australian population being at this education level.

Penetration and number of VMS products used by education level

The following charts depict the usage level of VMS products within education levels. Usage of VMS is high among all groups (66 – 75%), with the highest usage amongst university graduates at 75%. Each figure in this set of charts is based on N:1146.

University Degree

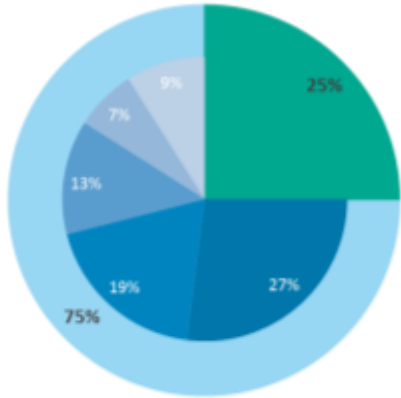


Figure 2.12: Usage of VMS - University Degree

Certificate or Diploma

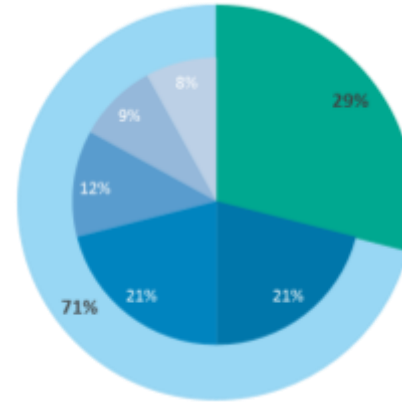


Figure 2.13: Usage of VMS - Certificate or Diploma

Year 12

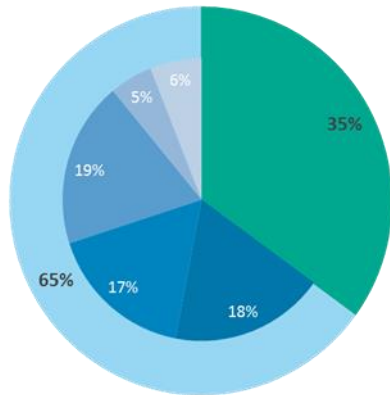


Figure 2.14: Usage of VMS - Year 12

Year 11

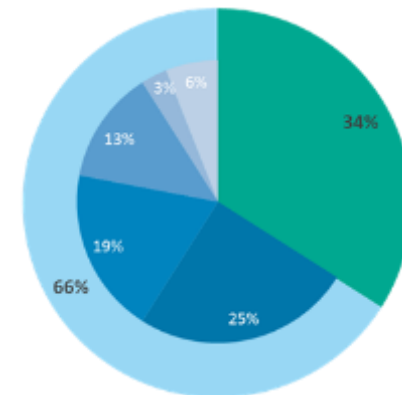


Figure 2.15: Usage of VMS - Year 11

- Non-VMS Users
- VMS Users
- One Product
- Two Products
- Three Products
- Four Products
- Five or More Products

Overall VMS usage by product category – among total respondents

Do you take any health or nutritional supplements?

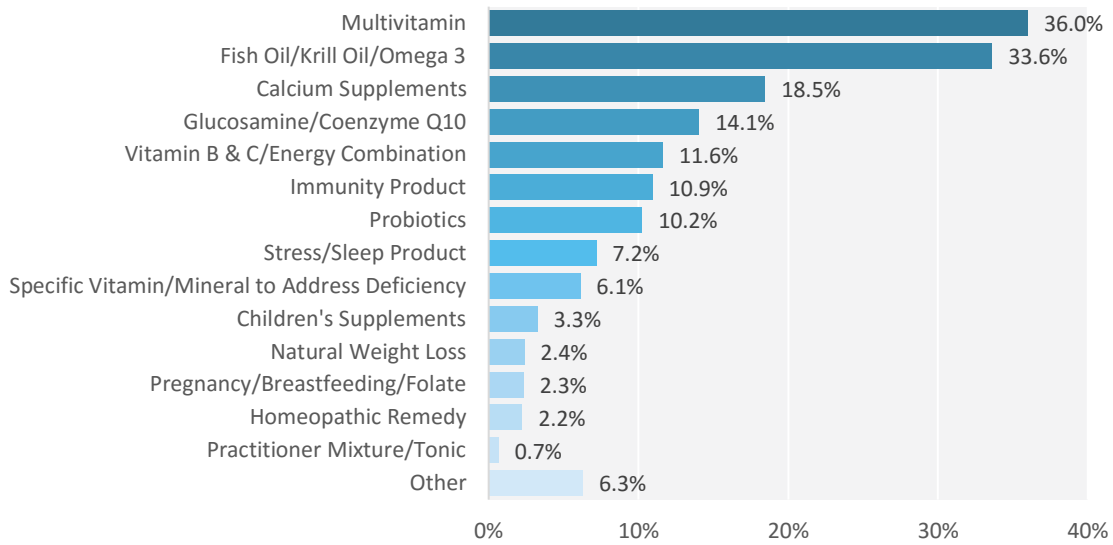


Figure 2.16: VMS products used among total respondents | N:1146

Among total respondents, multivitamins and fish oil/krill oil/omega 3, are the major two types of VMS taken at 36.0% and 33.6% respectively. This is followed by calcium supplement and glucosamine at 18.5% and 14.1%.

Overall VMS usage by product category – among VMS users

What health or nutritional supplements do you take?

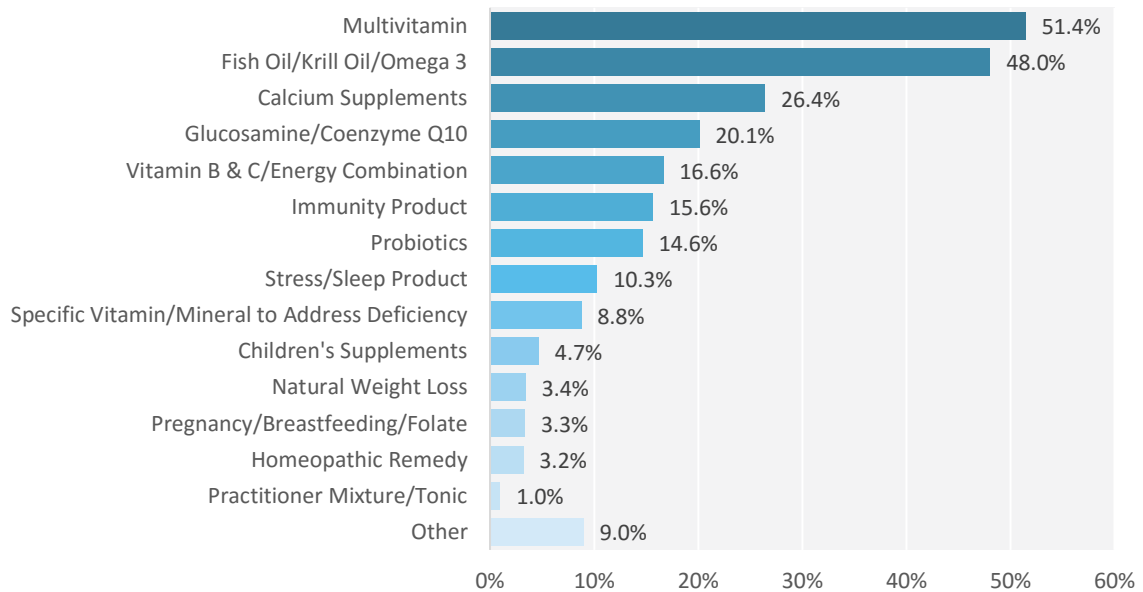


Figure 2.17: VMS products used among VMS users | N:802

Among VMS users, multivitamins and fish oil/krill oil/omega 3 are the major two types of VMS taken, at 51.4% and 48.0% respectively.

2.2 Frequency of VMS usage by product category

How often do you take these supplements?

N:

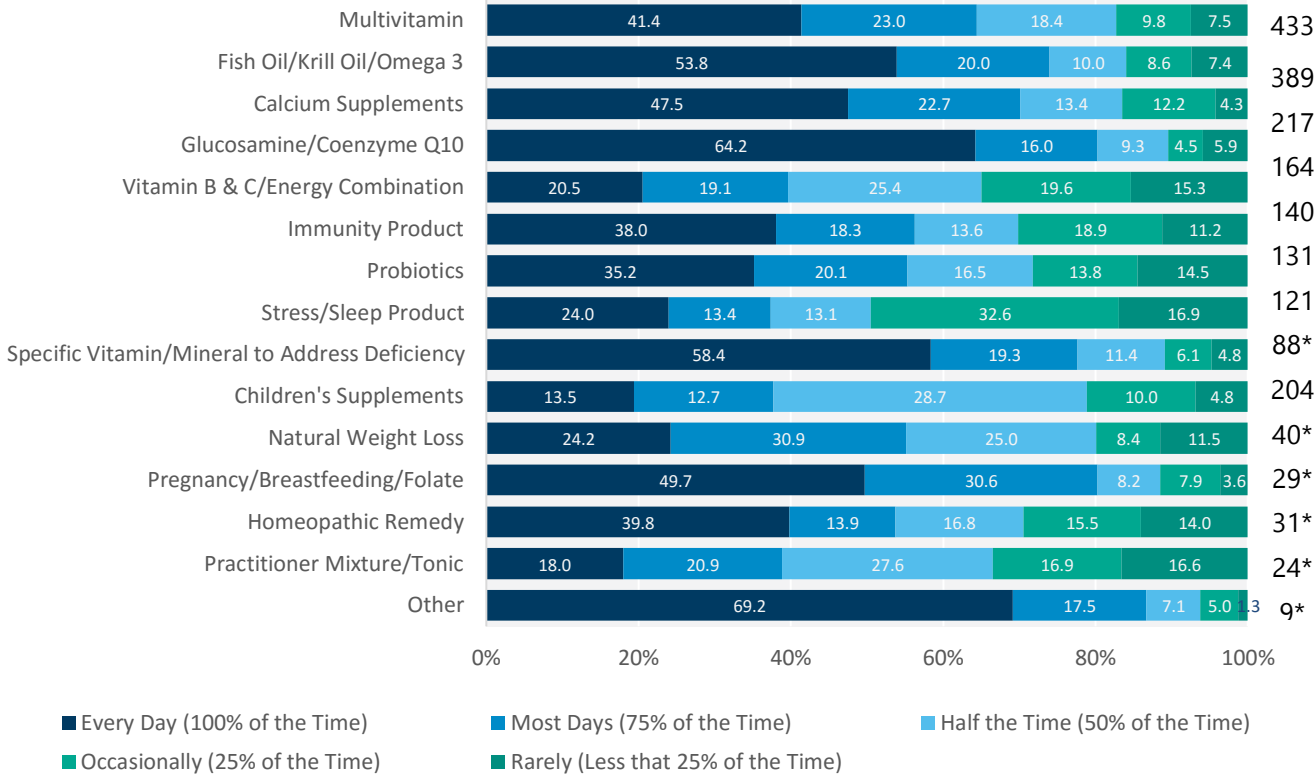


Figure 2.18: VMS frequency of usage by VMS product

The majority of users of glucosamine/coenzyme Q10 and specific vitamin/mineral supplements take those products on a daily basis at 64.2% and 58.4% respectively. While pregnancy/breastfeeding and natural weight loss medicine are taken most days, stress/sleep products and children’s supplements are among the type of supplements that respondents reported taking only occasionally. * Please note however that in cases where the sample size is less than 100, it is difficult to make meaningful extrapolations to the general public.

Frequency of VMS usage by gender

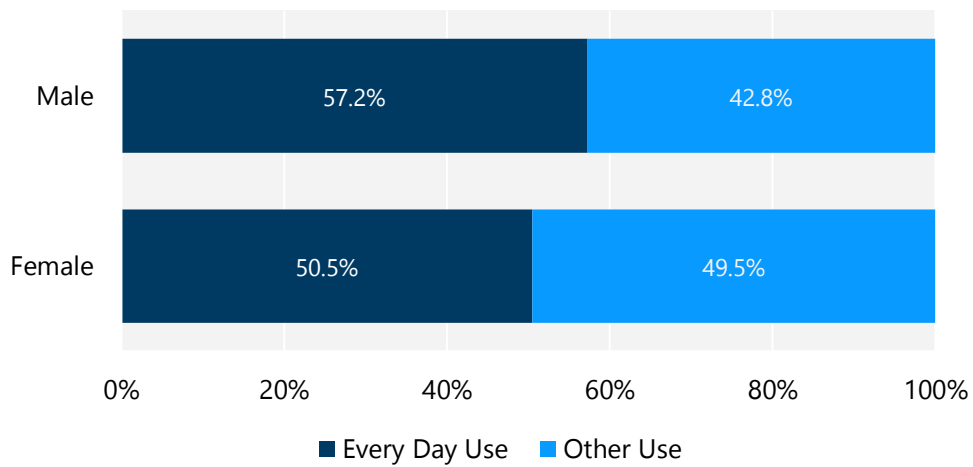


Figure 2.19: VMS frequency of usage by gender | N:802

At 57.2% of men versus 50.5% of women, men tend to be more likely than women to use VMS products on an every-day basis.

Frequency of VMS usage by education

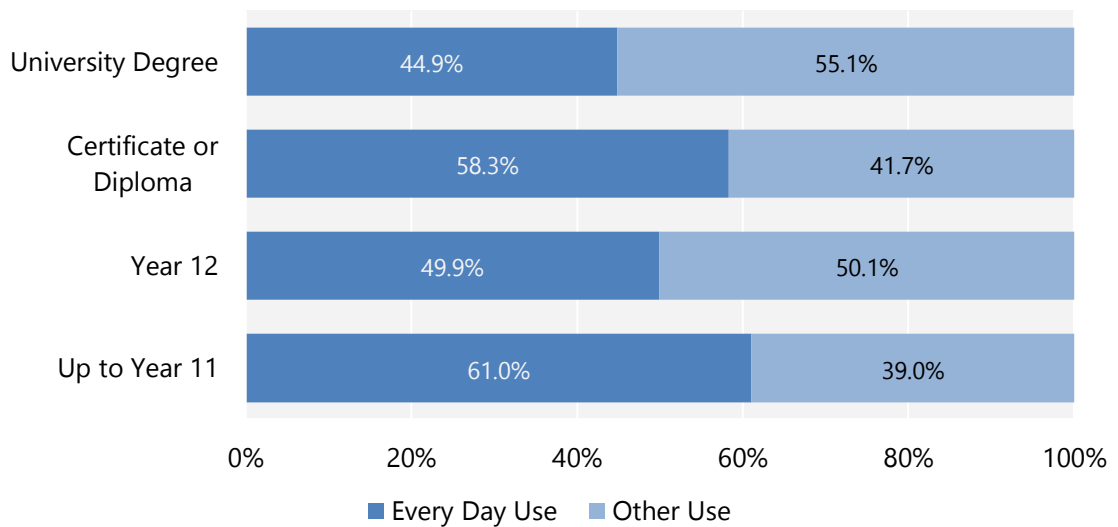


Figure 2.20: VMS frequency of usage by highest education level | N:802

While the data collected in this study shows no obvious trend in frequency of use by education, more complex ANOVA models by the author do show a positive effect of education on VMS use.

Frequency of VMS usage by age

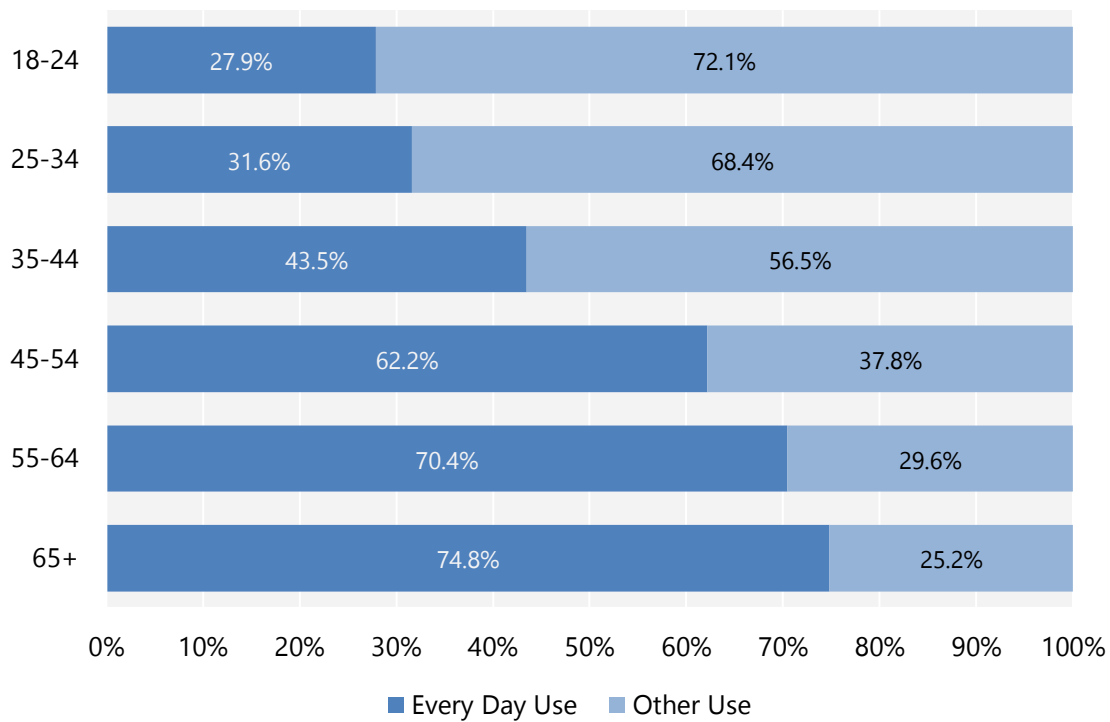


Figure 2.21: VMS frequency of usage by age | N:802

Every day use of VMS products is more common among people aged 65 and over. At 74.8% compared with 27.9%, this is almost three times the frequency of usage by people aged 18-24.

Note that in Figures 2.19, 2.20 and 2.21, “Other Use” includes most days, half the time, occasionally and rarely. Further detailed breakdown of usage is contained in the charts in Appendix A.

2.3 Reasons for VMS usage

People mainly take supplements for general health. People do however take specific supplements for specific reasons - for example stress/sleep products to help with stress and natural weight loss supplements for weight loss. *Note that the analysis in this figure is based on 2010 responses reported by 802 VMS users.

Across a variety of VMS products, the major motivation for use is general health. Respondents were allowed to select multiple reasons and they often selected more than one reason. Specific VMS products have a pattern of motivations for use that are specific to them. For example, respondents reported taking immunity products for both general health and to boost immunity.

For what reasons do you use vitamins, minerals and supplements?

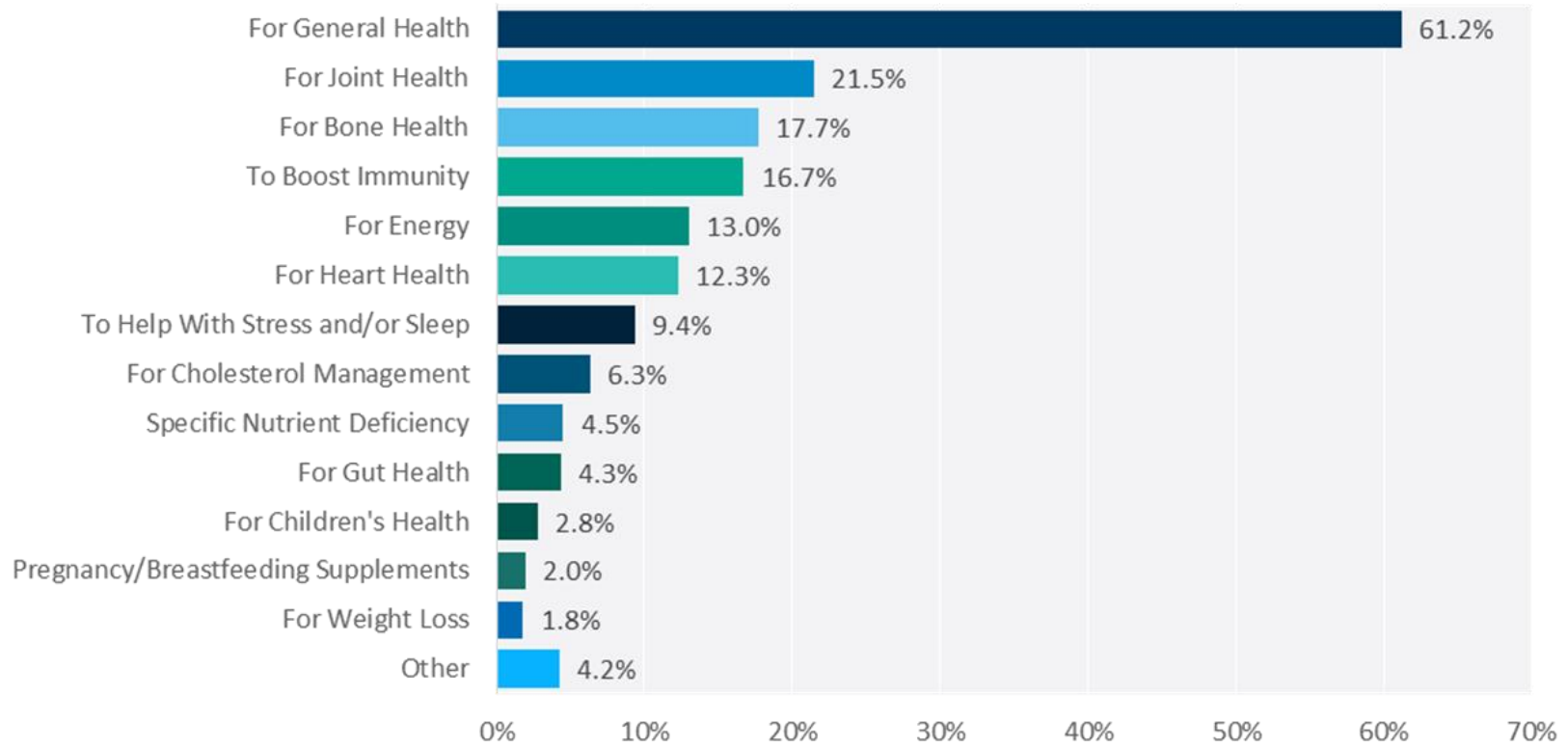


Figure 2.22: Reasons to take supplements – aggregate | N:2010

Reasons for VMS usage by product category



Figure 2.23: Reasons to take supplements – by product

* Please note however that in cases where the sample size is less than 100, it is difficult to make meaningful extrapolations to the general public.

2.4 VMS usage based on health risk

Do you take the various VMS products you indicated because you are at higher risk of those particular health concerns compared to people of your age and gender?

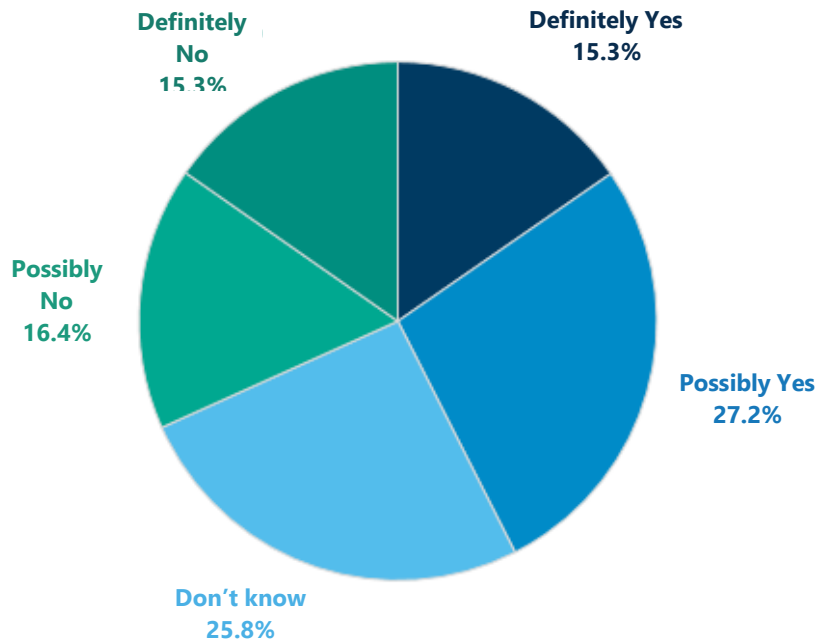


Figure 2.24: Usage link to perceived higher risk/vulnerability- aggregate | N:802

In general, respondents reported that they were taking VMS products because they were at higher health risks than others of the same age and gender. This seems consistent with the dominant reason of general health as a motivation for taking VMS products.

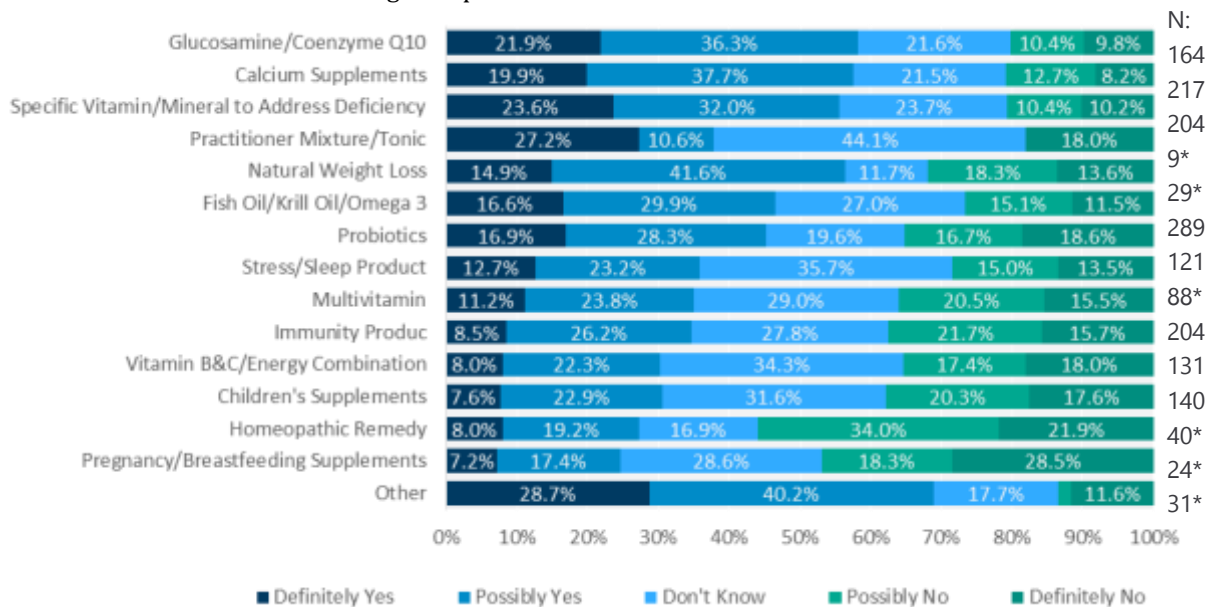


Figure 2.25: Usage link to perceived higher risk/vulnerability - by product | N:802

* Please note however that in cases where the sample size is less than 100, it is difficult to make meaningful extrapolations to the general public.

Glucosamine/coenzyme, calcium supplements and specific vitamins are the main products people take due to being at higher risk of the health concerns. Children’s supplements, homeopathic remedy and pregnancy/breastfeeding/ folate are among the products people take for reasons other than specific health risks. The chart above provides a summary of the extent respondents reported taking each VMS product due to perceived higher risk or vulnerability.

2.5 Place of purchase of VMS products

Where do you buy your health and nutritional supplements?

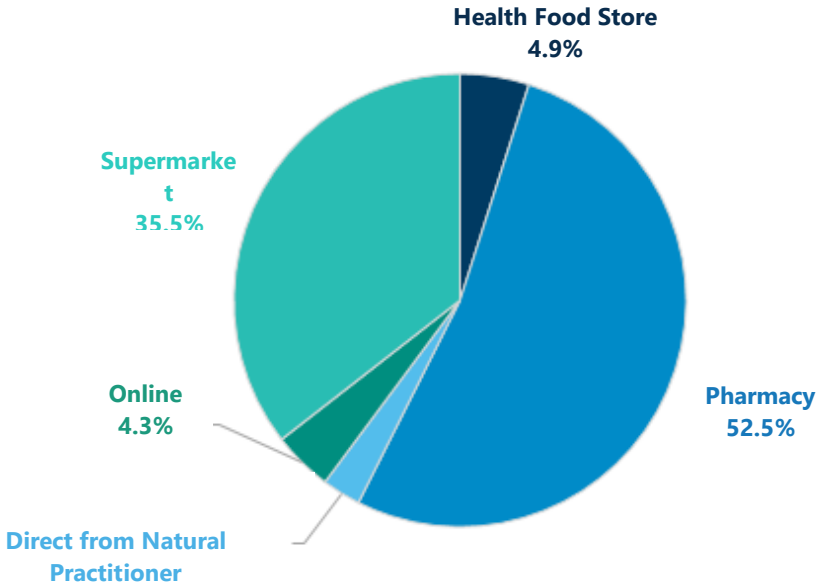


Figure 2.26: Retail channel split for VMS | N:802

Pharmacy and supermarket are the two main preferred channels of VMS purchase at 52% and 35% respectively. In contrast, VMS purchases from a practitioner of natural medicine accounts for just 2.8% of purchases.

2.6 Further information about VMS usage

In addition to the analysis in this section, further demographic splits of VMS usage for individual VMS categories are provided in Appendix A.

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SECTION 3:

Prescription to OTC Switch – Consumer Insights

3.1 Number of prescription medicines used

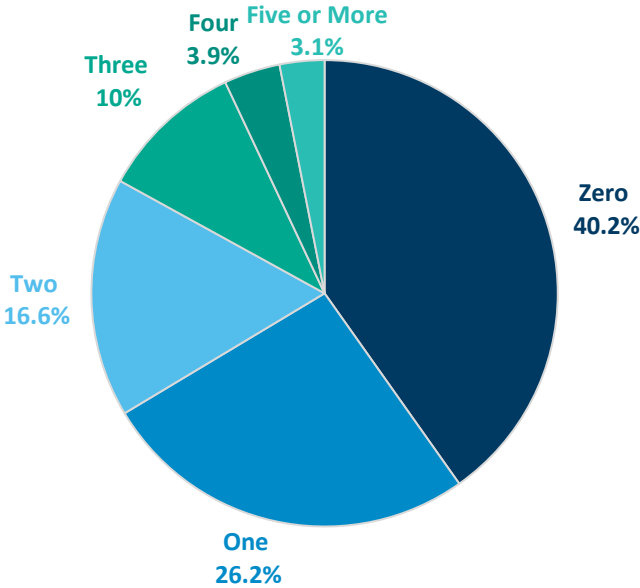


Figure 3.1: Number of prescription medicines used | N:1146

52.8% of respondents reported taking one to three prescription medicine types, while 40% take none at all.

3.2 Penetration of prescription categories

Do you currently take or have you recently taken (in the last 12 months) any of the following products by a doctor's prescription?

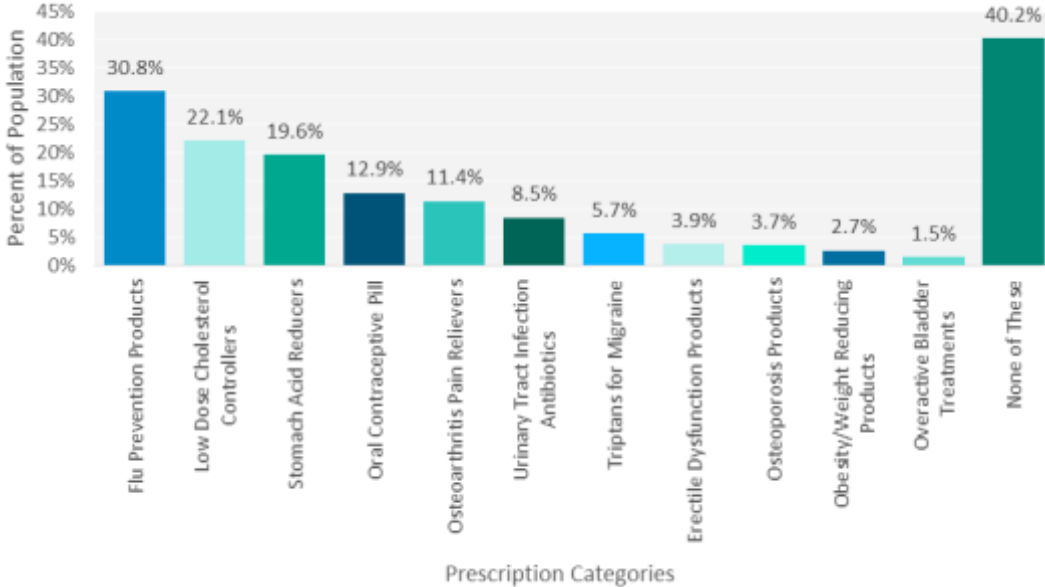


Figure 3.2: Penetration of key prescription-only medicine | N:1146

The penetration of possible switch candidate categories varies by category, with flu prevention, cholesterol controllers and stomach acid reducers at the higher end.

3.3 Pharmacist-only access preference by type of prescription medicine

If these medicines were available without a prescription, would you consider obtaining this medicine direct from your pharmacist instead of going to the doctor for a prescription?

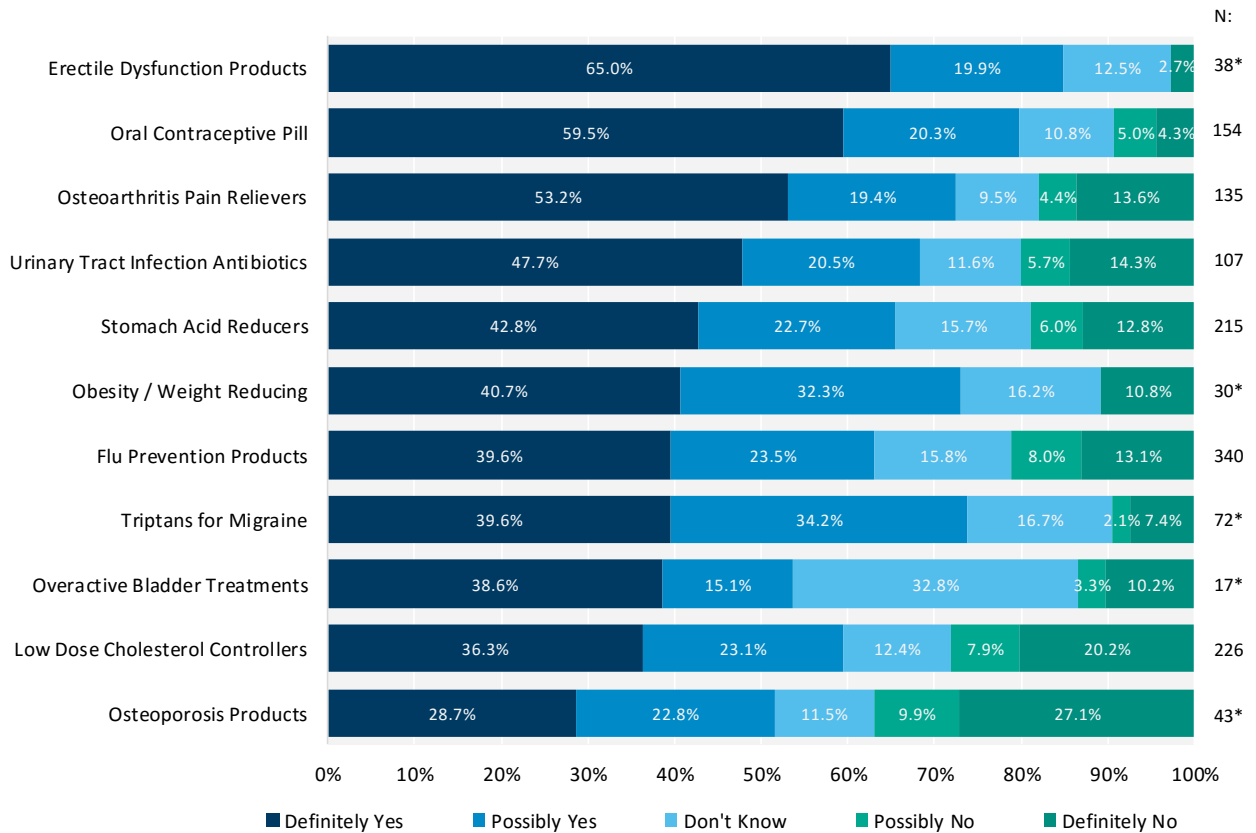


Figure 3.3: Access preference for key prescription-only medicine

Erectile dysfunction products and the oral contraceptive pill are two main products that people would consider buying directly from a pharmacist rather than going to a doctor for a prescription. In contrast, people are least likely to buy osteoporosis products and low dose cholesterol controllers/lipid lowering products from a pharmacist instead of going to a doctor for a prescription. *Please note however, that when the sample size is less than 100, it is difficult to make meaningful extrapolations to the general public.

3.4 Visits saved by prescription medicine if switched

If you could get these products without a prescription through your pharmacist, how many visits to the doctor would you save each year?

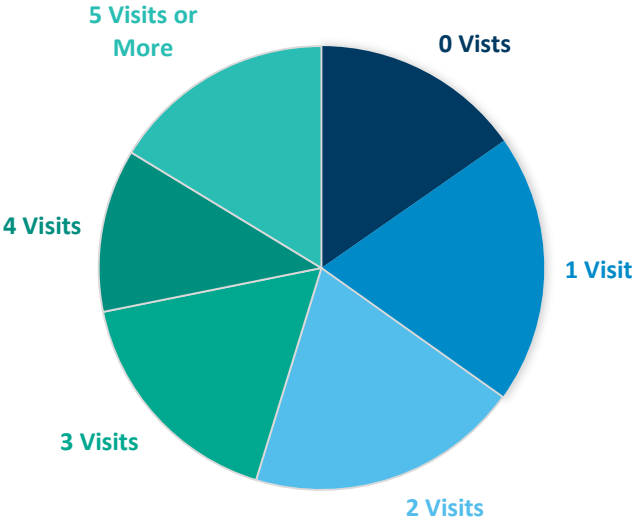


Figure 3.4: Doctor visits saved if available OTC | N:688

Getting one of these medicines without a prescription from a pharmacy saves at least one visit to the doctor per year for 85% of respondents.

3.5 Conclusion

This study provides important insights into the attitudes and behaviour of Australian consumers regarding OTC and complementary medicines. It reveals a high uptake of OTC medicines in Australia, indicating that consumers are comfortable treating a variety of illnesses with OTC medicines. It also shows the majority of Australians use complementary medicines and that they take supplements mainly for general health.

This study provides an important fact base in consumer healthcare to inform decision making and policy formulation in relation to OTC and complementary medicines.

APPENDIX A

A.1 Frequency of usage x Age x VMS product

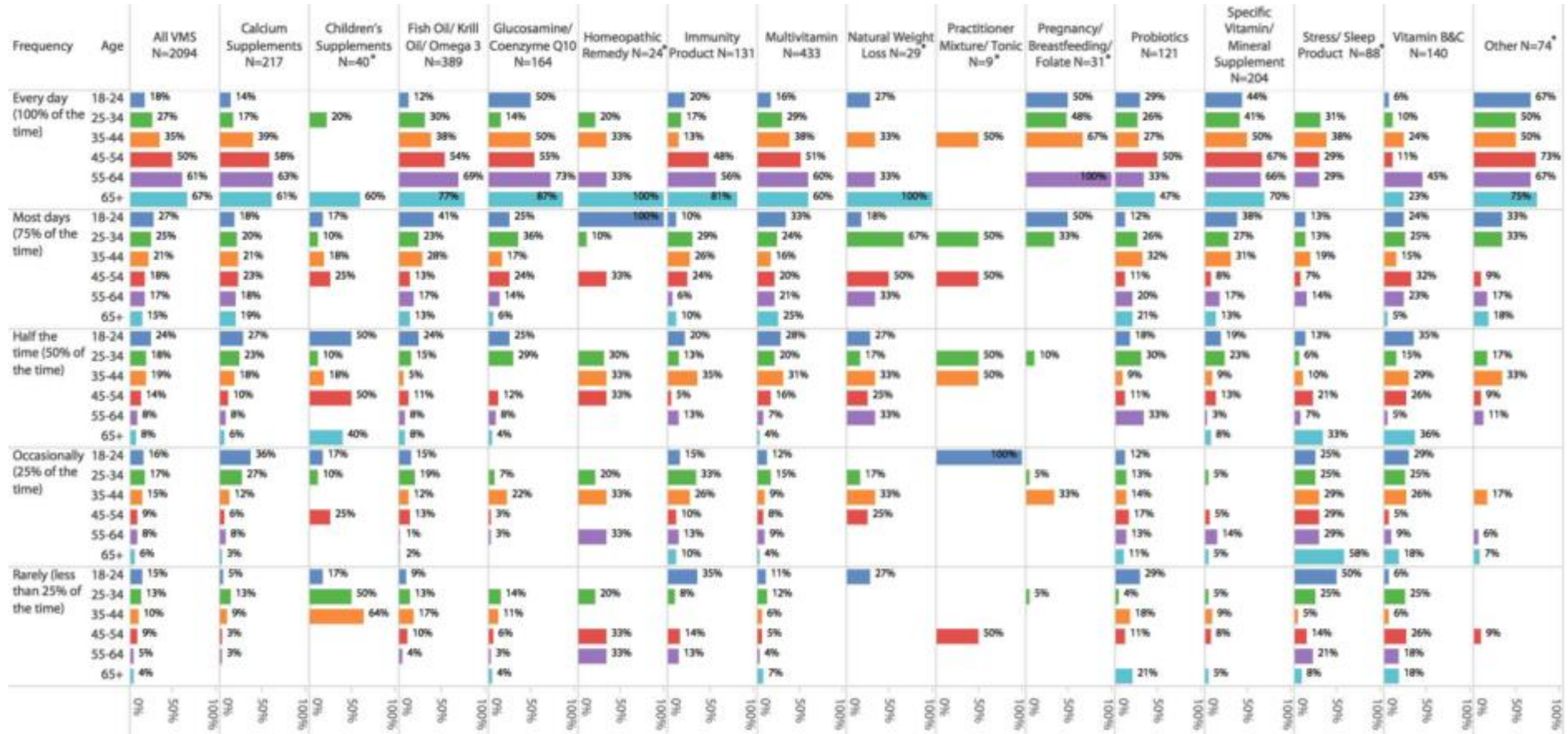


Figure A.1: Frequency of usage x Age x VMS product

For each VMS category, the age group, represented by different colours, is broken down by frequency of usage, and grouped by frequency, i.e. all the blue bars in a column, representing ages 18-24, will add up to 100%. * Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

A.2 Age x Frequency of usage x VMS product

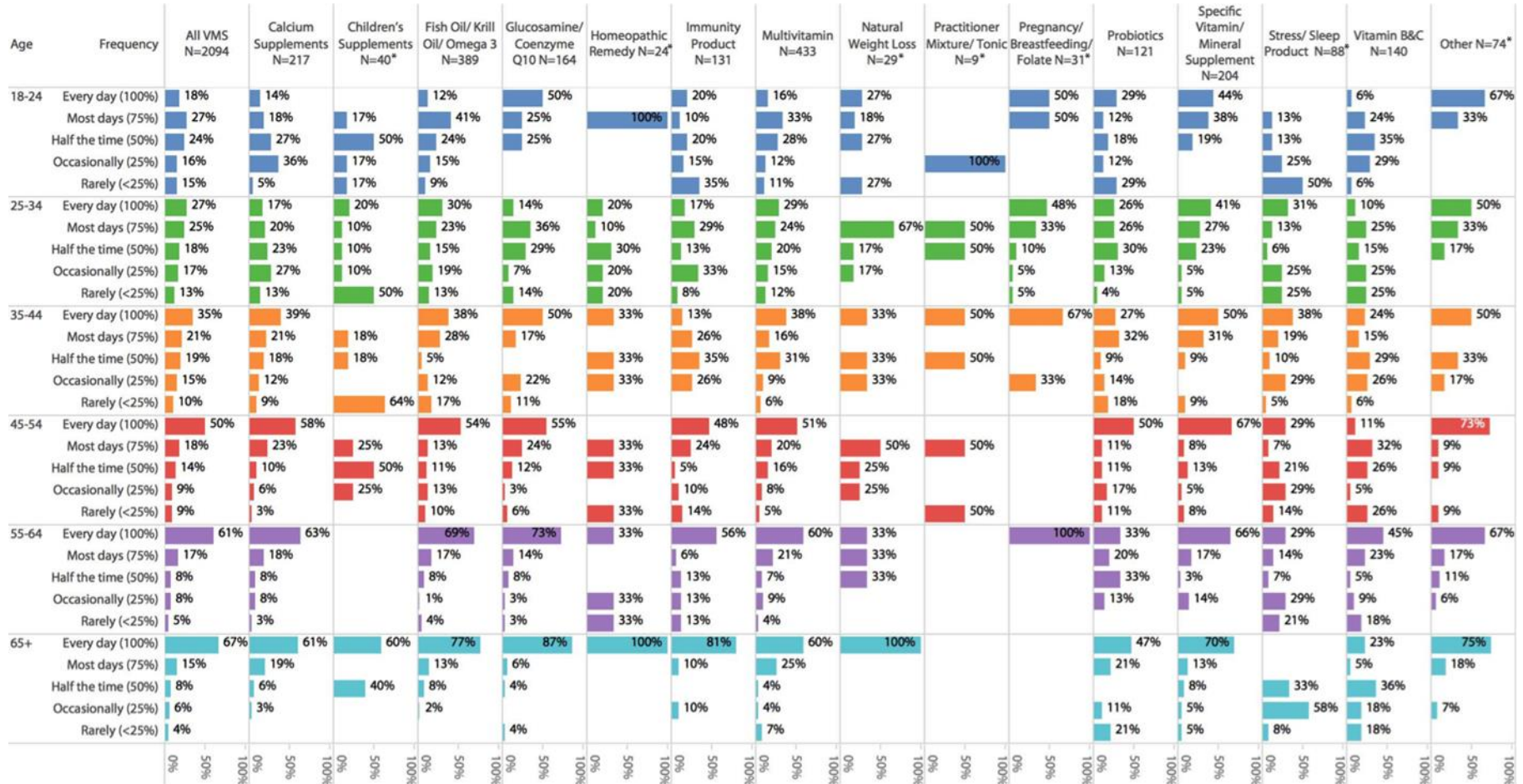


Figure A.2: Age x Frequency of usage x VMS product

This is the same set of data as in Figure A.1, however it is grouped by age to provide another useful perspective. Clear trends are visible within age groups, for example calcium supplements tend to be used more as people get older, signalled by the increasing amount of every day users for this product in this age category.

* Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

A.3 Frequency of usage x Gender x VMS product

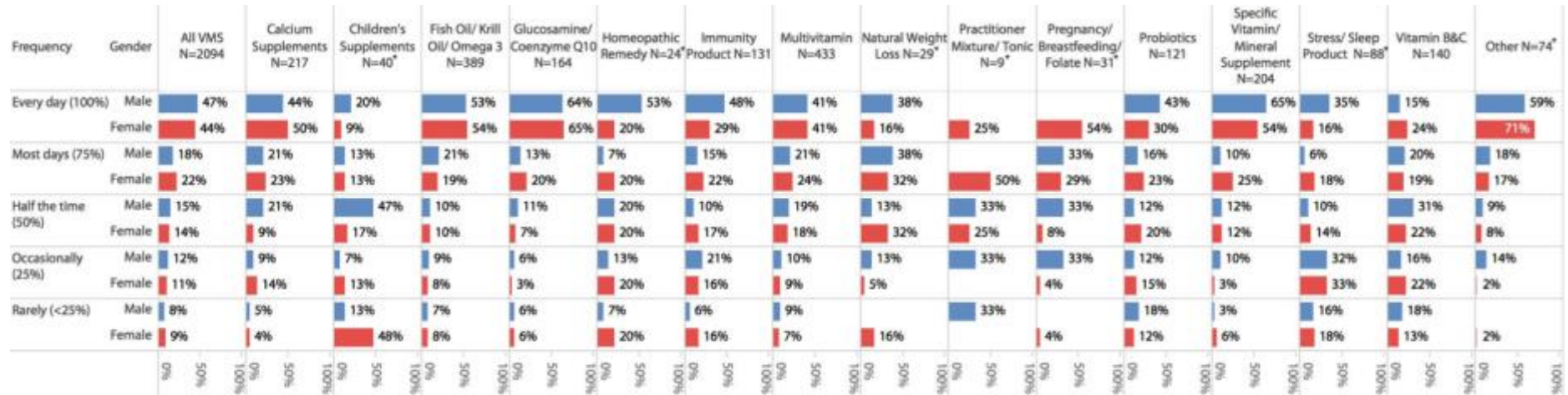


Figure A.3: Frequency of usage x Gender x VMS product

Each cell in the figure above contains two bars, blue for male and red for female, and represents the percentage of male and female who use the product in that column, at the frequency of its respective row.

This chart shows a comparison of frequency of VMS usage between male and female. A higher percentage of males use probiotics and specific VMS every day, whereas females tend to use calcium supplements and vitamins B and C on a daily basis more than males do.

* Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

A.4 Gender x Frequency of usage x VMS product

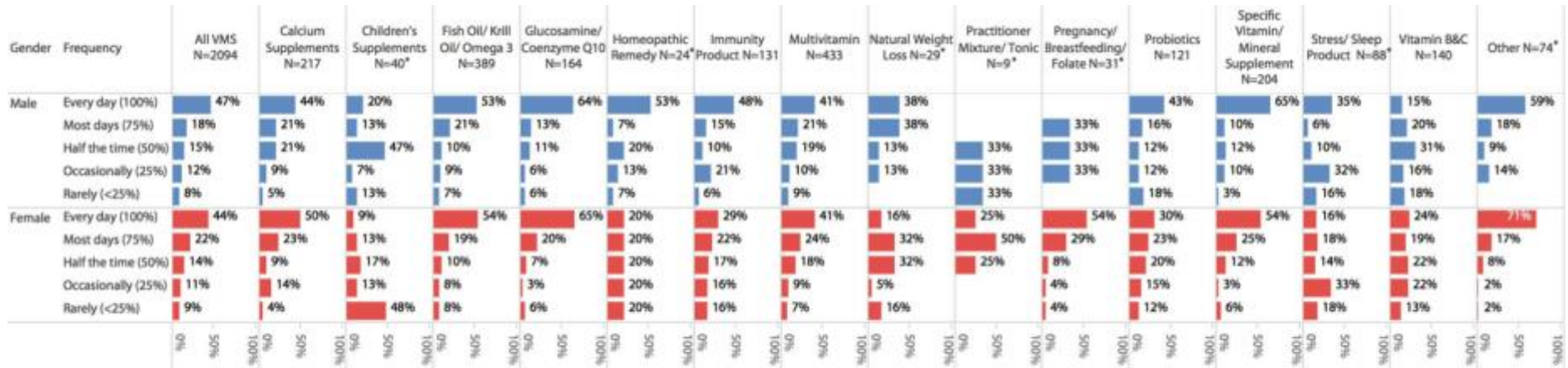


Figure A.4: Gender x Frequency of usage x VMS product

This chart uses the same data as Figure A.3, however groups the data according to gender rather than frequency. This chart makes clear the trend in frequency with each gender and shows that overall, the majority of both males and females take a VMS product most days, if not every day.

* Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

A.5 Frequency of usage x Level of education x VMS product

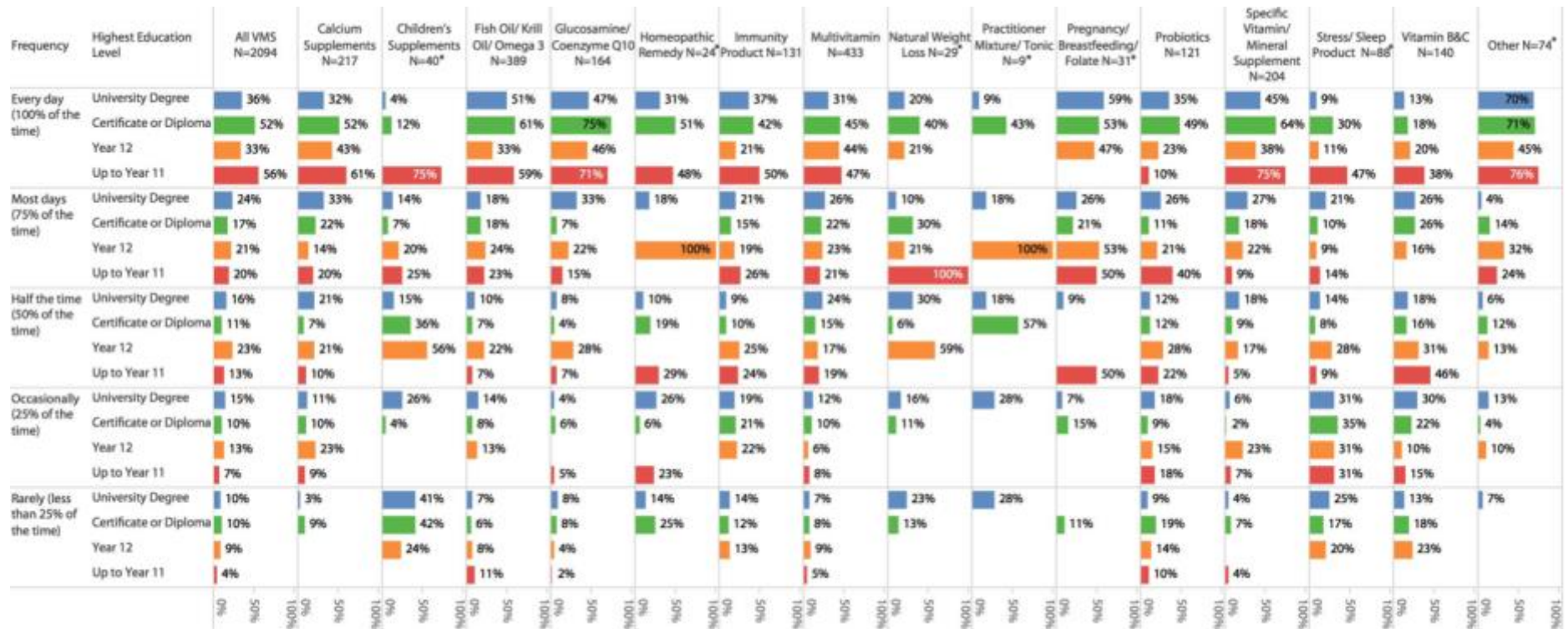


Figure A.5: Frequency of usage x Level of education x VMS product

This chart represents the relationship between VMS usage and the respondent's highest level of education, grouped by frequency of usage. Colour represents level of education. Although these tables show no one-way effect of education, more complex ANOVA models by the authors do show a positive effect of education on VMS usage.

* Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

A.6 Level of education x frequency of usage x VMS product

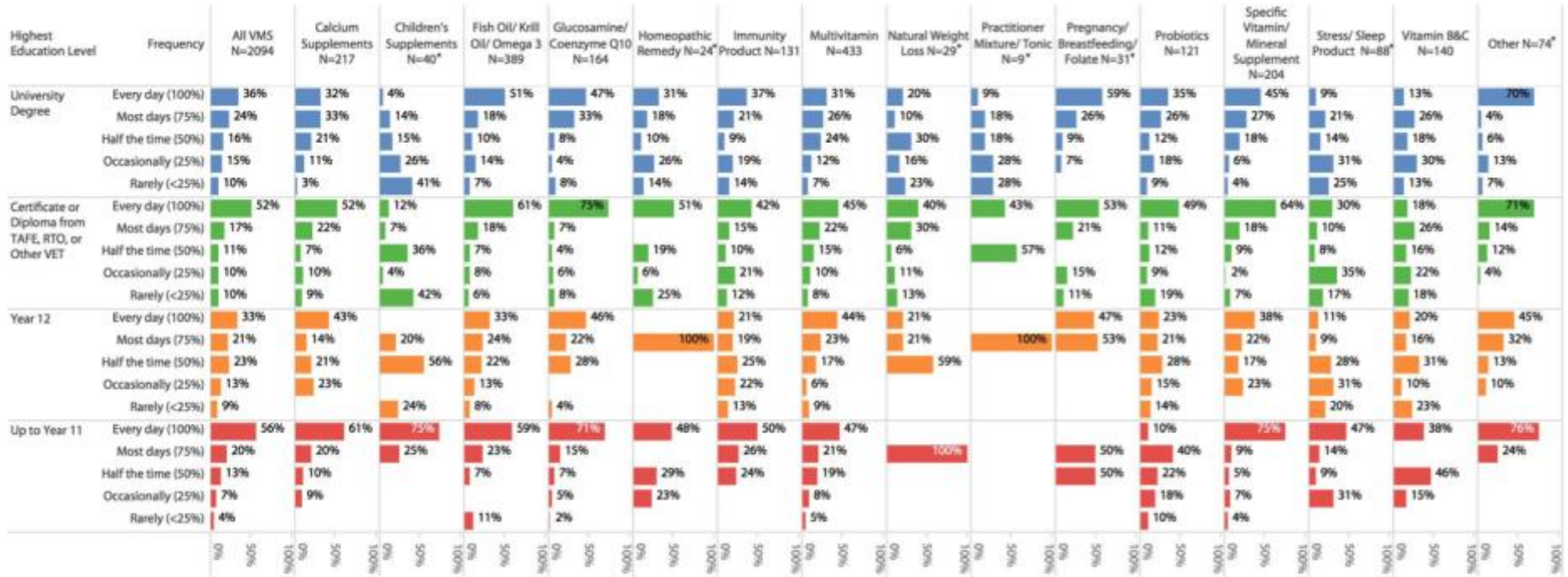


Figure A.6: Level of education x frequency of usage x VMS product

The data used in this chart is the same as Figure A.5, however represented so that frequency is grouped by education level. In this view of the data, a clear pattern can be seen across all education groups tending towards daily usage of most VMS products.

* Please note that when sample size is less than 100 it is difficult to make extrapolations to the general public.

STUDY AUTHOR

This paper was written by Professor Scott Koslow. The author gratefully acknowledges the assistance of Laknath Jayasinghe, Andrew West, Cathy Xu, LayPeng Tan, Lawrence Ang, Con Korkofingas, Hume Winzar, Stephanie Huang, Daniel Dilley and Boaz Ng.

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Macquarie University jointly funded this study through a pilot research grant under an “Enterprise Partnerships Scheme”.

