



“HK’s Top 5 Indoor Allergens of **Eye Allergy** Survey Report”

Dr. Robert Ting-Yiu Chung,
Director of HKUPOP
April 7, 2008

Survey Findings

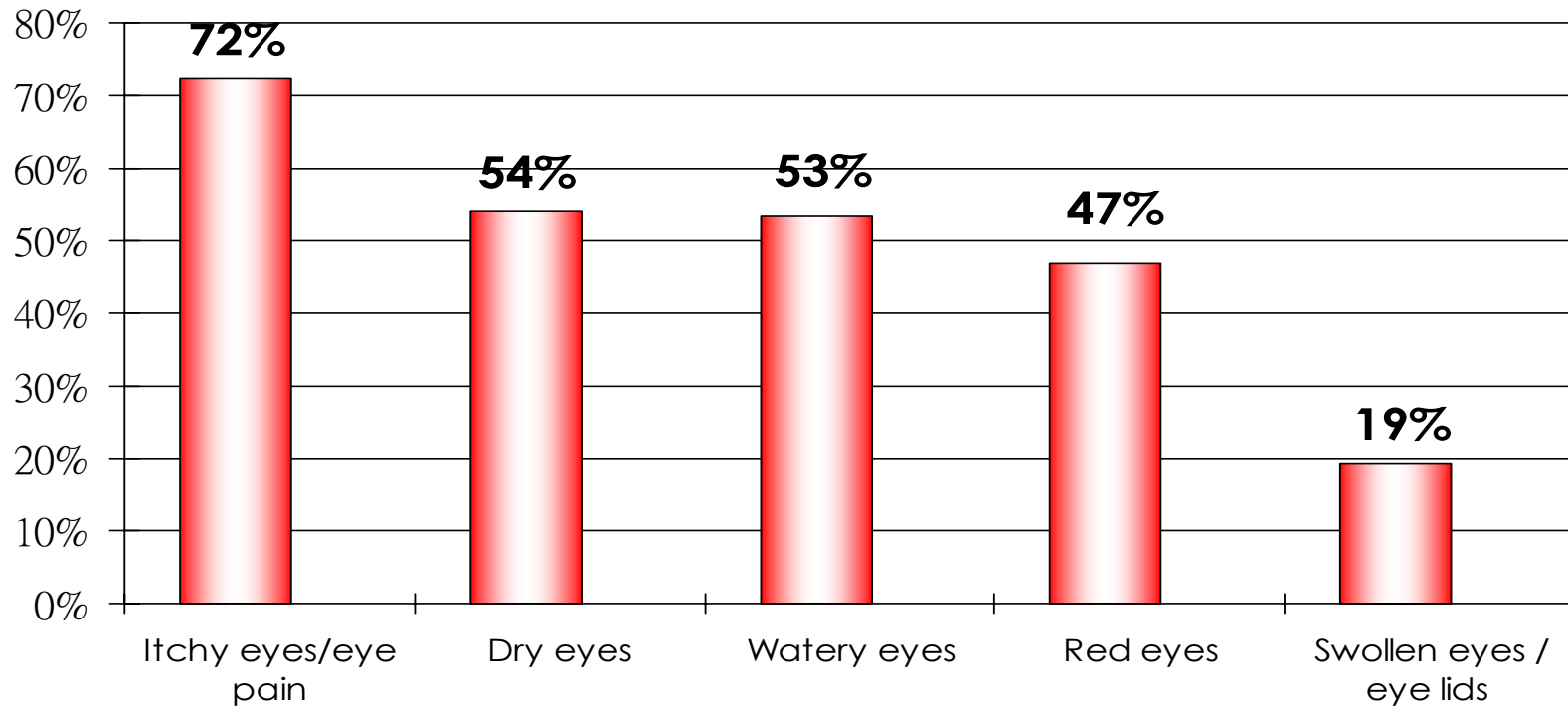
Survey Overview

Survey Objective	To identify the key indoor allergens of eye allergy in residence and offices in HK so as to provide public education that best fits their needs
Survey Period	From March 11-17, 2008
Methodology	Phone interview
Target Definition	Employed or unemployed people aged 18-60 with eye allergy symptoms in the past 1 year.
Survey Institute	Public Opinion Program, the University of Hong Kong (HKU)
Successful Samples	511 respondents
Response Rate	78.9%
Sampling Error	Less than 2.2% (95% confident interval, sample error < +/- 4.4%)

Over 70% respondents' key eye allergy symptoms are:

Itchy eyes/ eye pain

Q : Did you ever have the following eye allergy symptoms?

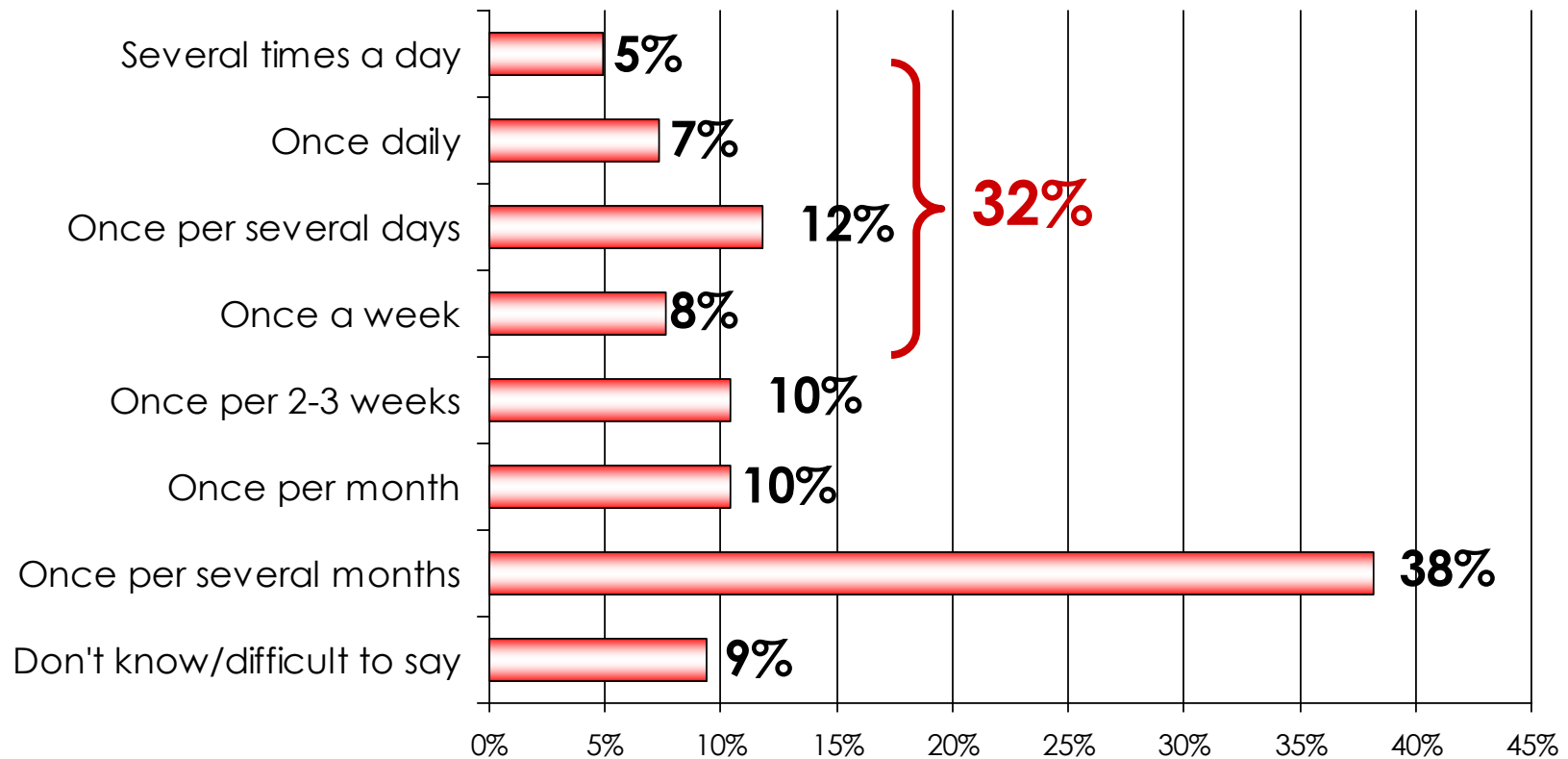


Successful samples : 511

4

32% respondents experience eye allergy symptoms at least once a week

Q : How often do you experience eye allergy symptoms?



Successful samples : 511

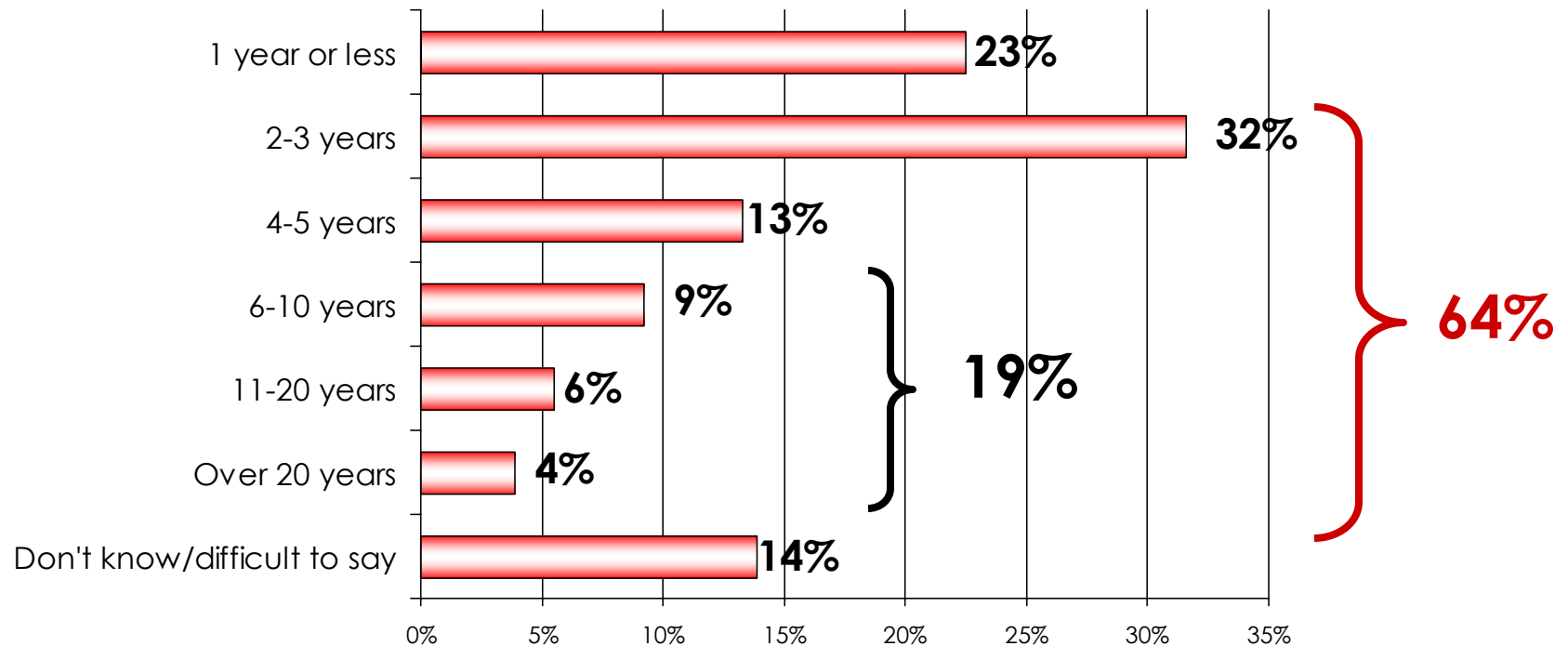
5

Respondents have suffered from eye allergy for 4.7 years on average

Close to 20% have eye allergy for at least six years

Q : How long have you got eye allergy symptoms?

Average : 4.7年
Standard deviation : 0.24年
Base : 440

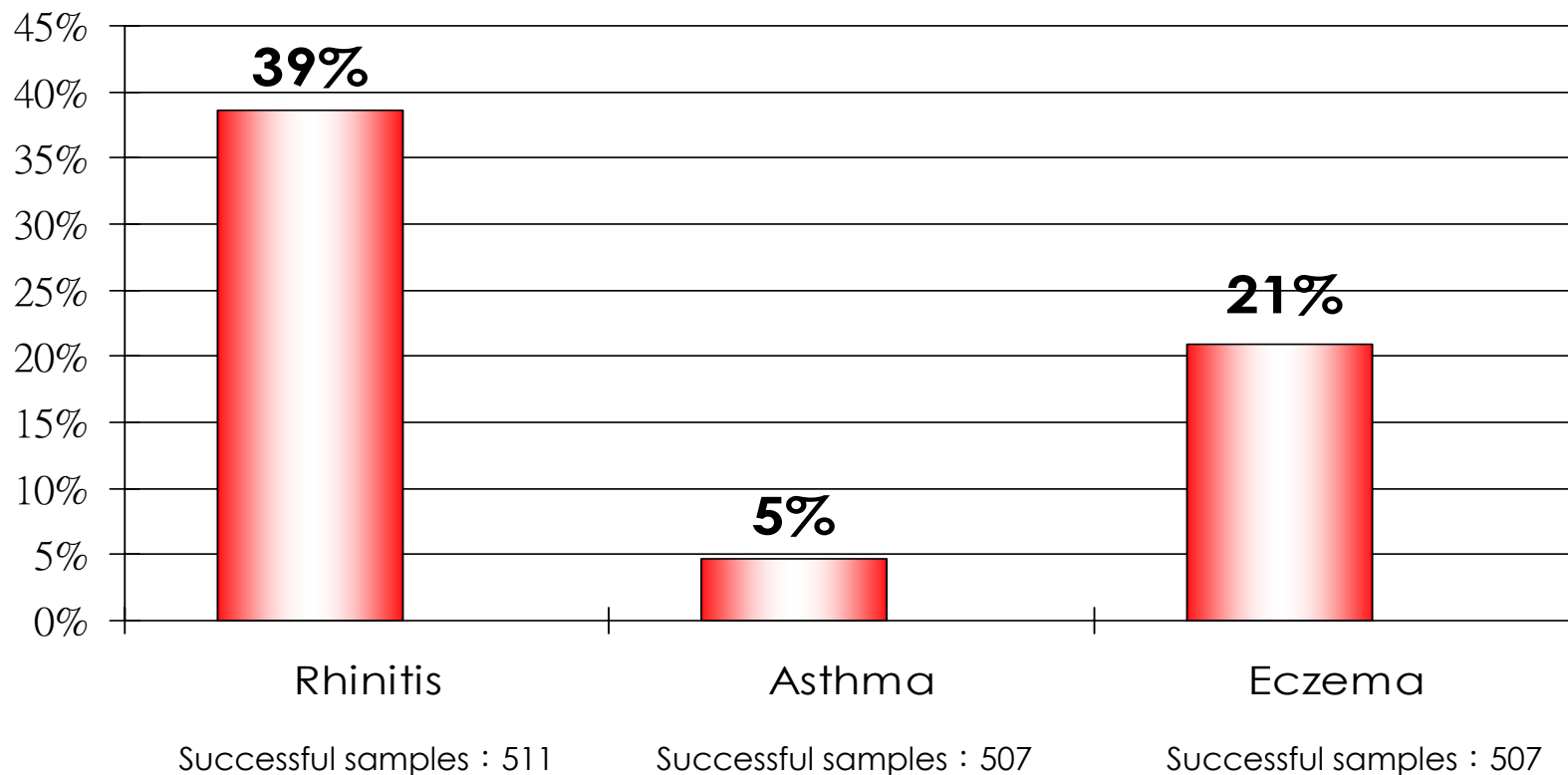


Successful samples : 511

6

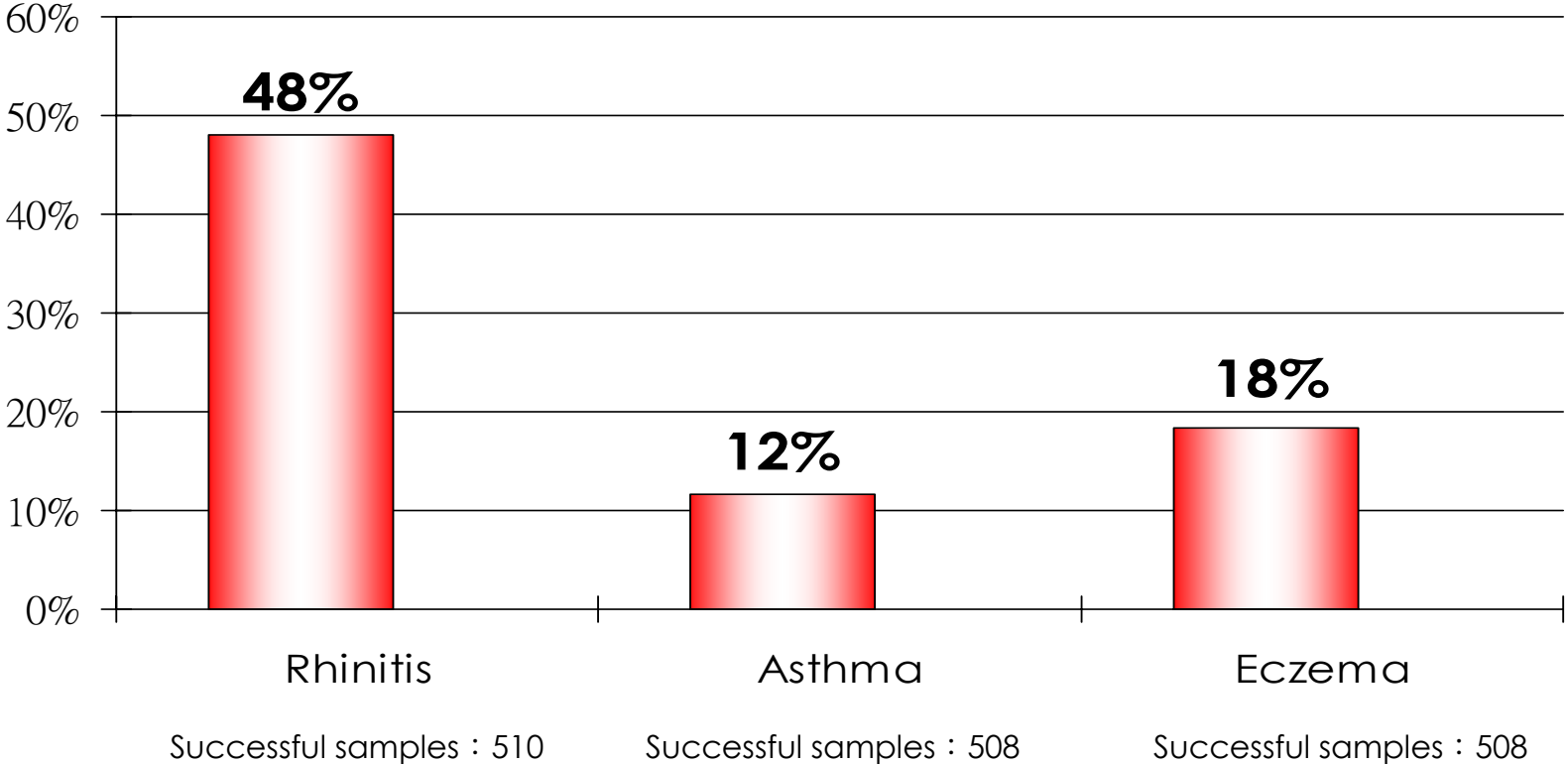
Close to 40% respondents also have rhinitis

Q : Do you have any of the following allergy diseases?



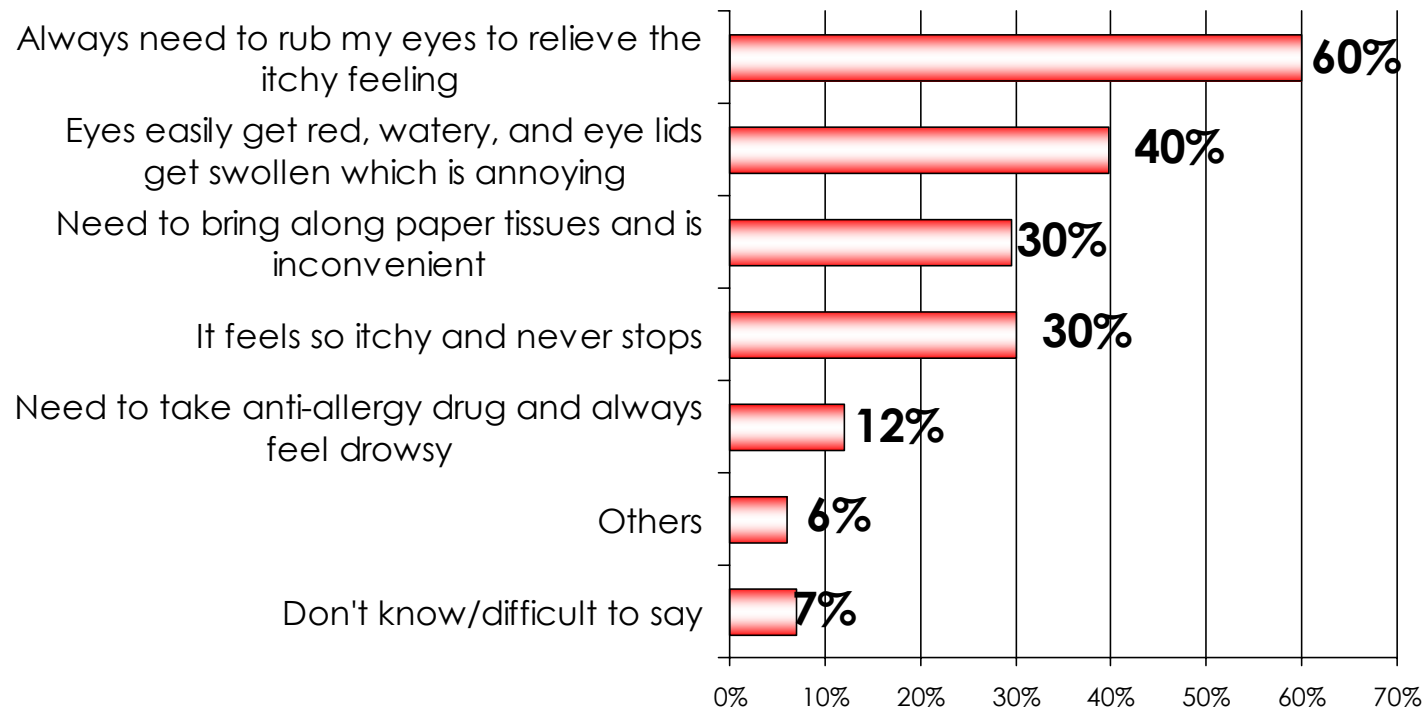
48% respondents' family members also have rhinitis

Q : Does any of your family members has the following allergy diseases?



60% respondents regard the utmost inconvenience of eye allergy is: **always need to rub the itchy eyes**

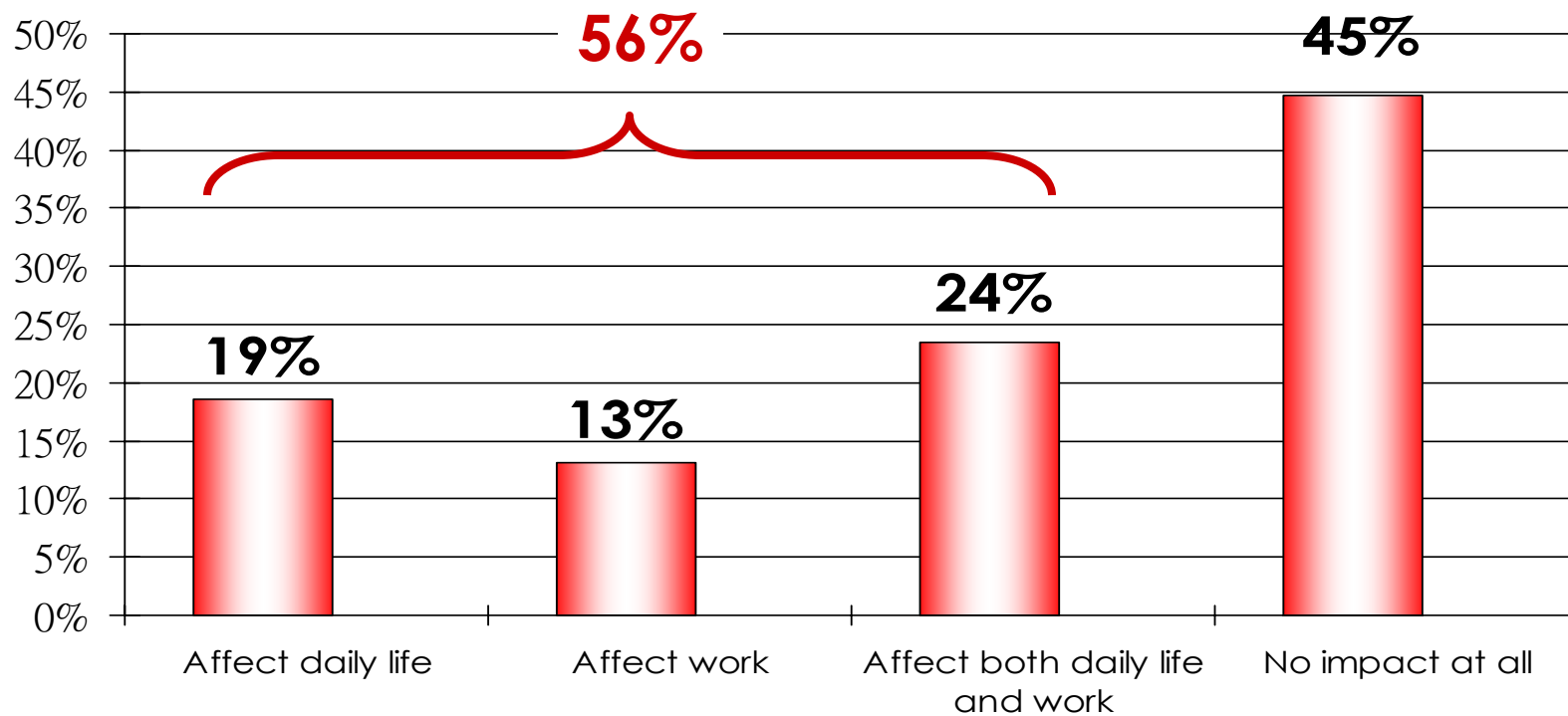
Q : What is the most annoying issue from eye allergy?



Successful samples : 503 (Multiple Choice) 9

56% respondents think that eye allergy affects their daily life and work

Q : Do you think eye allergy has any impact on your work or daily life?



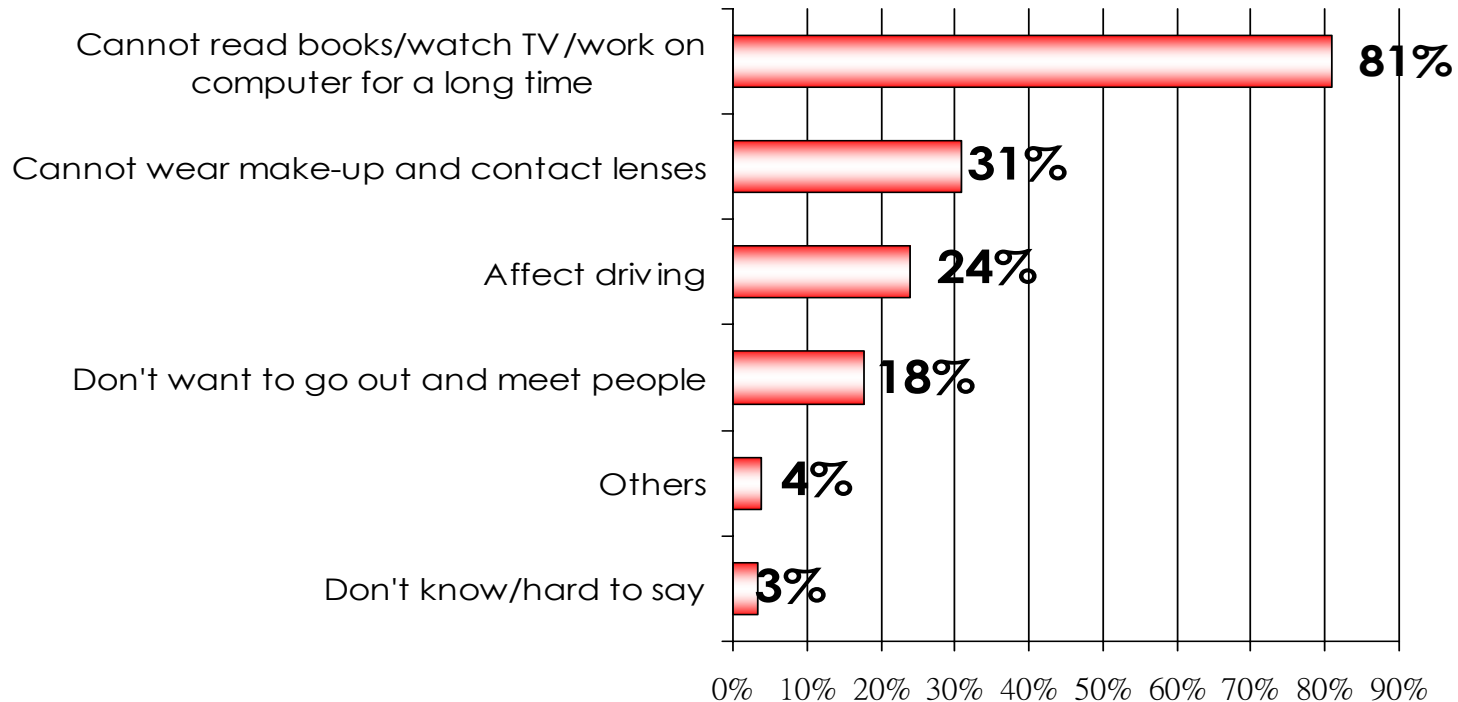
Successful samples : 511

10

Regarding daily life, more than 80% respondents consider the utmost inconvenience of eye allergy lies in

Cannot read books/watch TV/work on computer for a long time

Q : If yes, what are the impact?

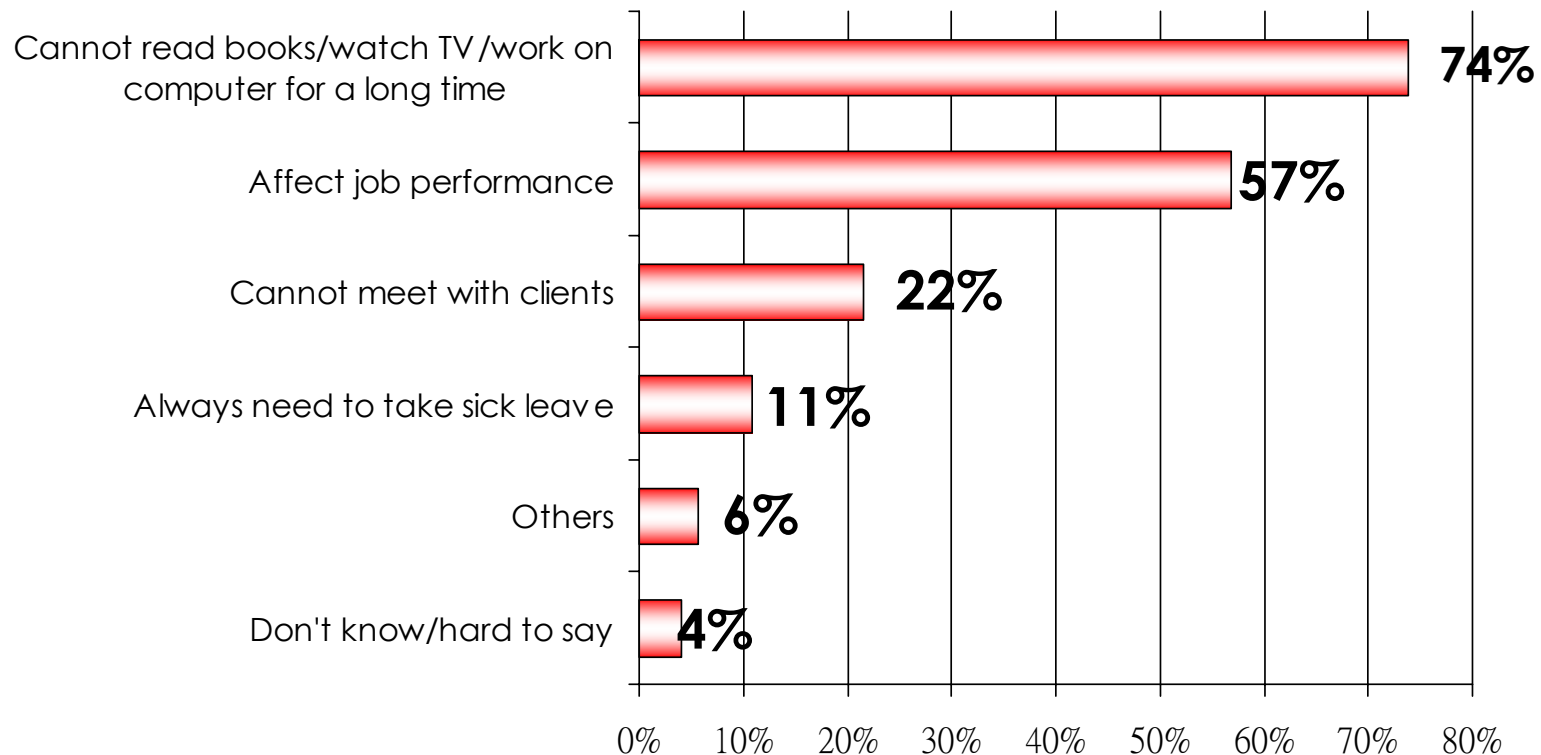


Successful samples : 208 (Multiple choice) 11

Regarding work, 74% respondents consider the utmost inconvenience of eye allergy lies in

Cannot read books/watch TV/work on computer for a long time

Q : If yes, what are the impact?

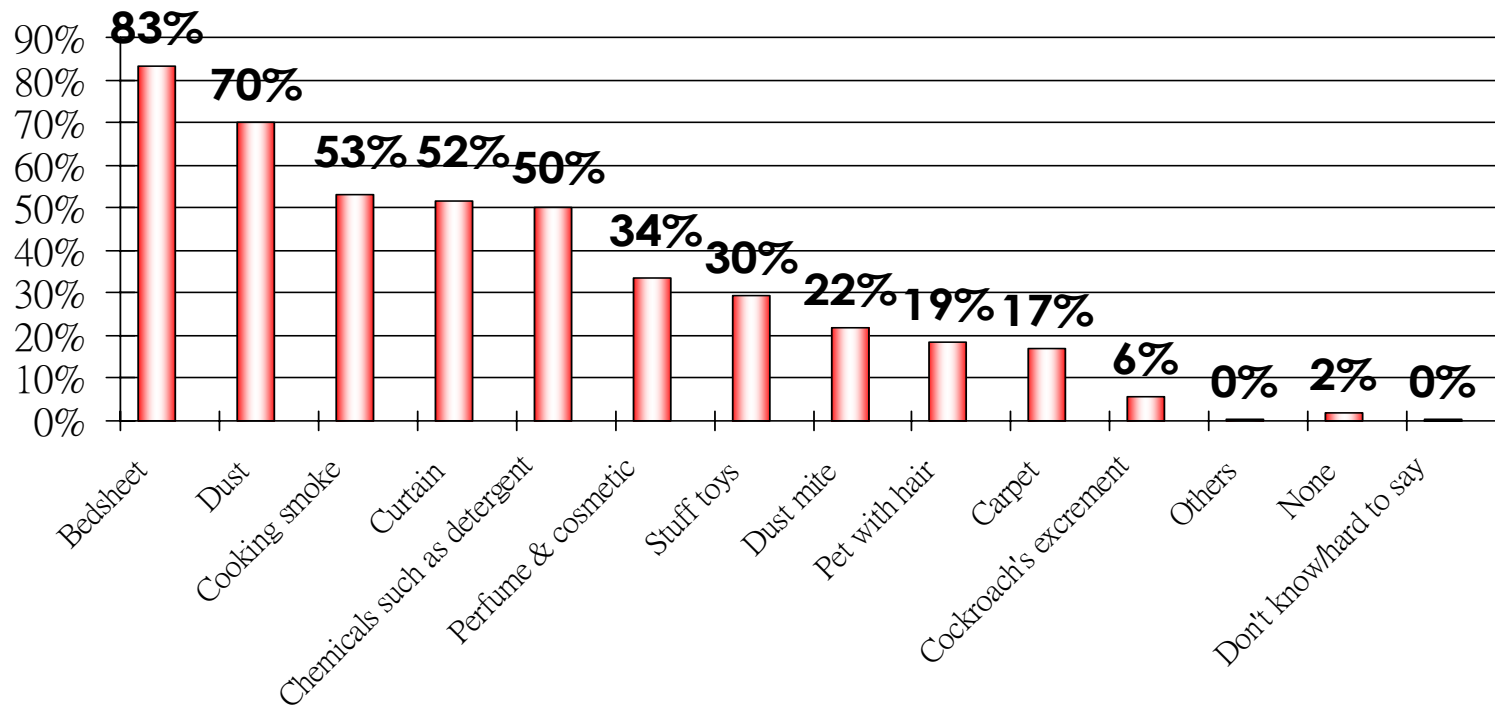


Successful samples : 176 (Multiple choice) 12

Top 5 indoor allergens of eye allergy that respondents are constantly in contact with at home:

Bedsheet、**dust**、**cooking smoke**、**curtain**、**chemicals**

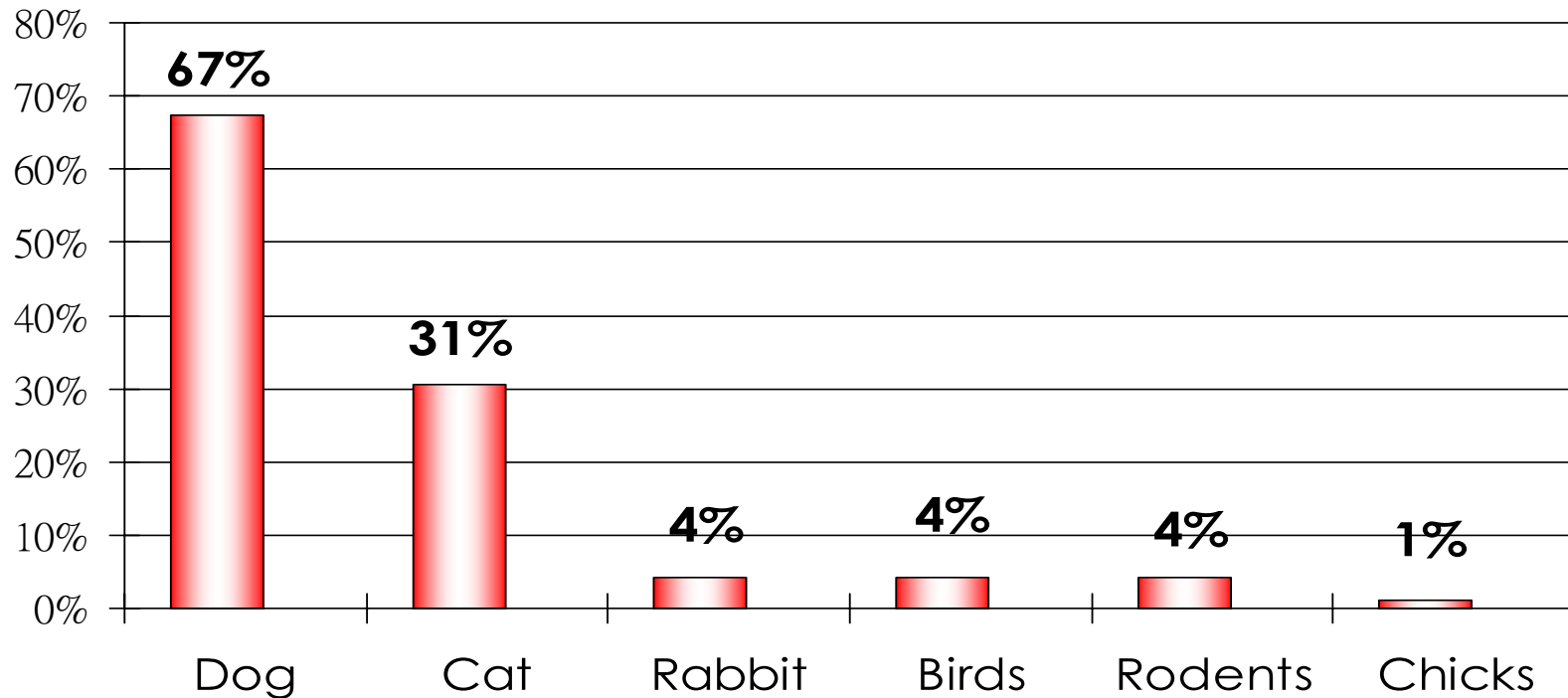
Q : Which of the following are you constantly in contact with at home?



Successful samples : 511 (Multiple choice) 13

Pets that respondents are constantly in contact with at home :
Dog, Cat, Rabbit, Birds, Rodents

Q : What types of pet do you keep at home?

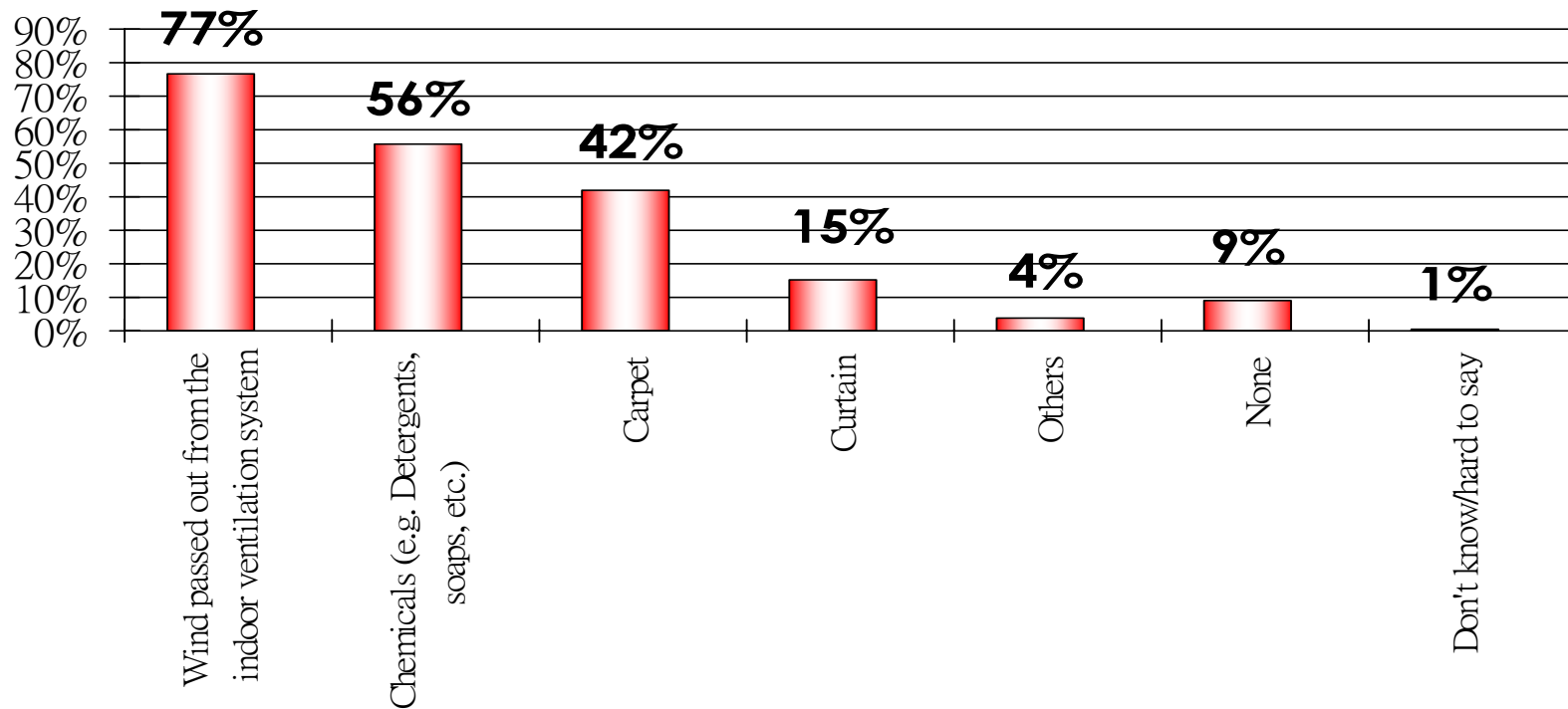


Successful samples : 95 (Multiple Choice) 14

The top 3 allergens in office to working respondents

Indoor ventilation system 、 chemicals 、 carpet

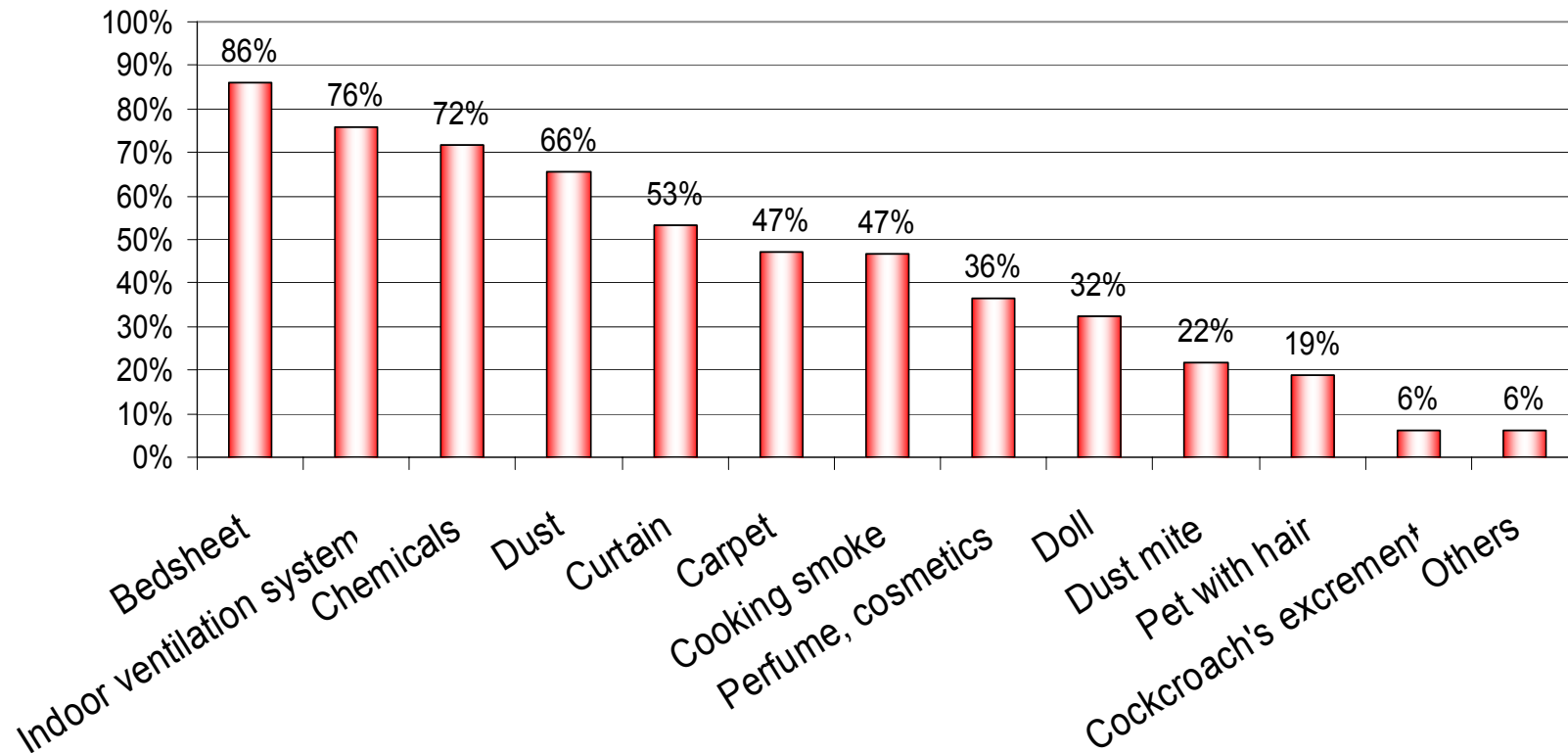
Q : Which of the following are you constantly in contact with at office?



Successful samples : 329(Multiple Choice)

Top 5 indoor allergens of eye allergy

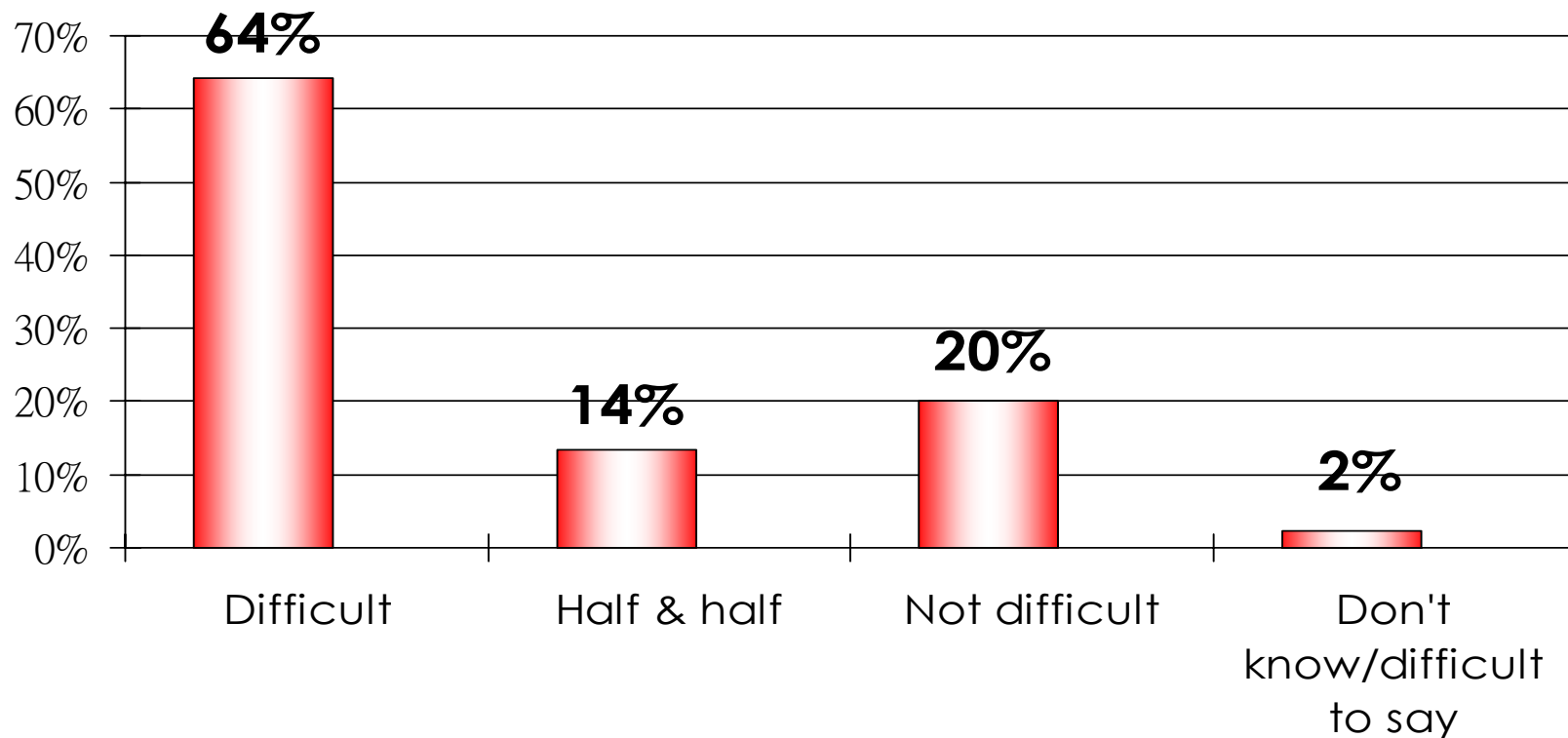
Bedsheet, Indoor ventilation system , chemicals , dust, curtain



Successful samples : 333 (Multiple choice)

64% respondents consider avoidance of indoor allergens a challenge

Q : Do you find it difficult to avoid indoor allergens of eye allergy?

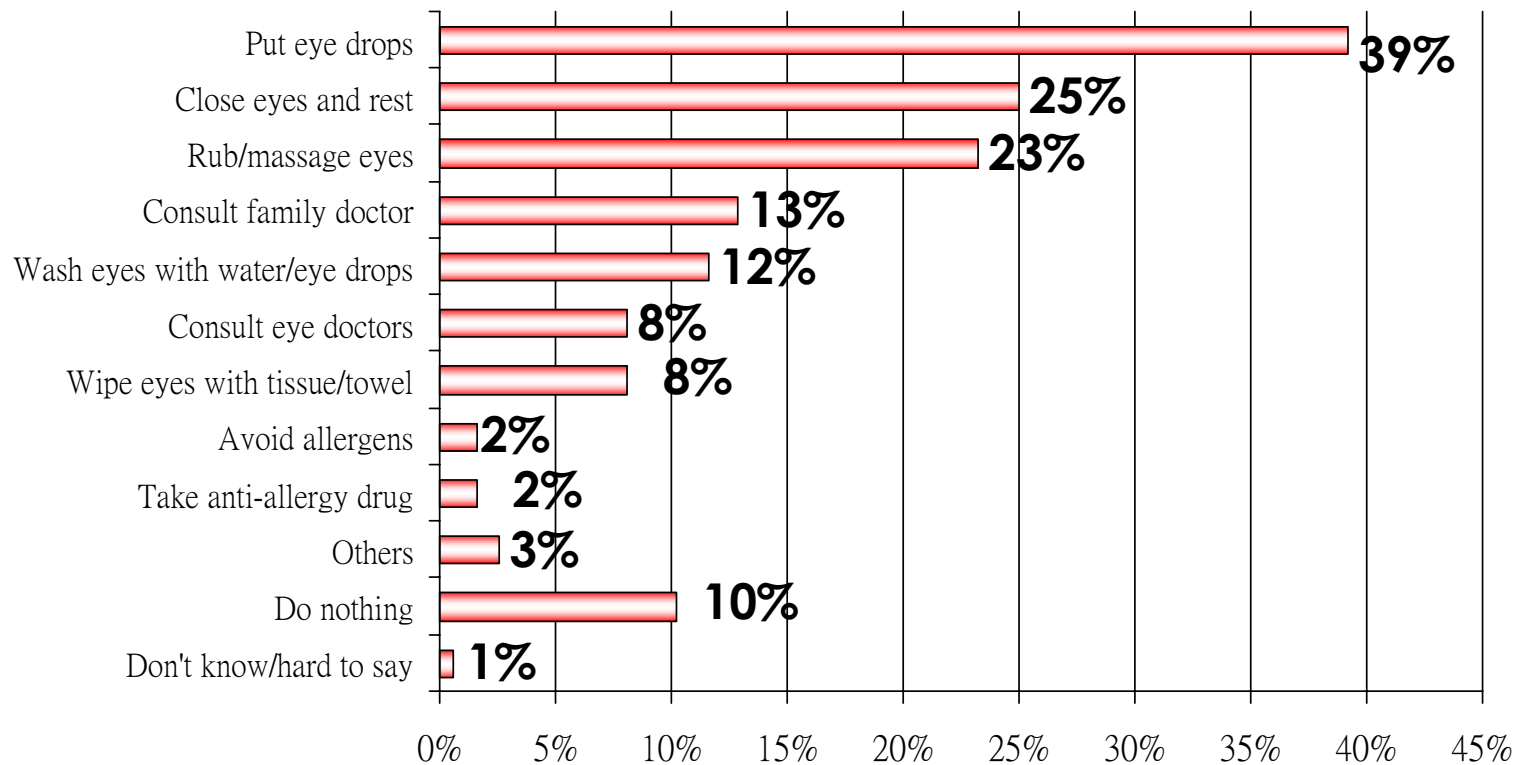


Successful samples : 511

17

39% respondents use eye drops to relieve their eye allergy symptoms

Q : What do you do when there are eye allergy symptoms?

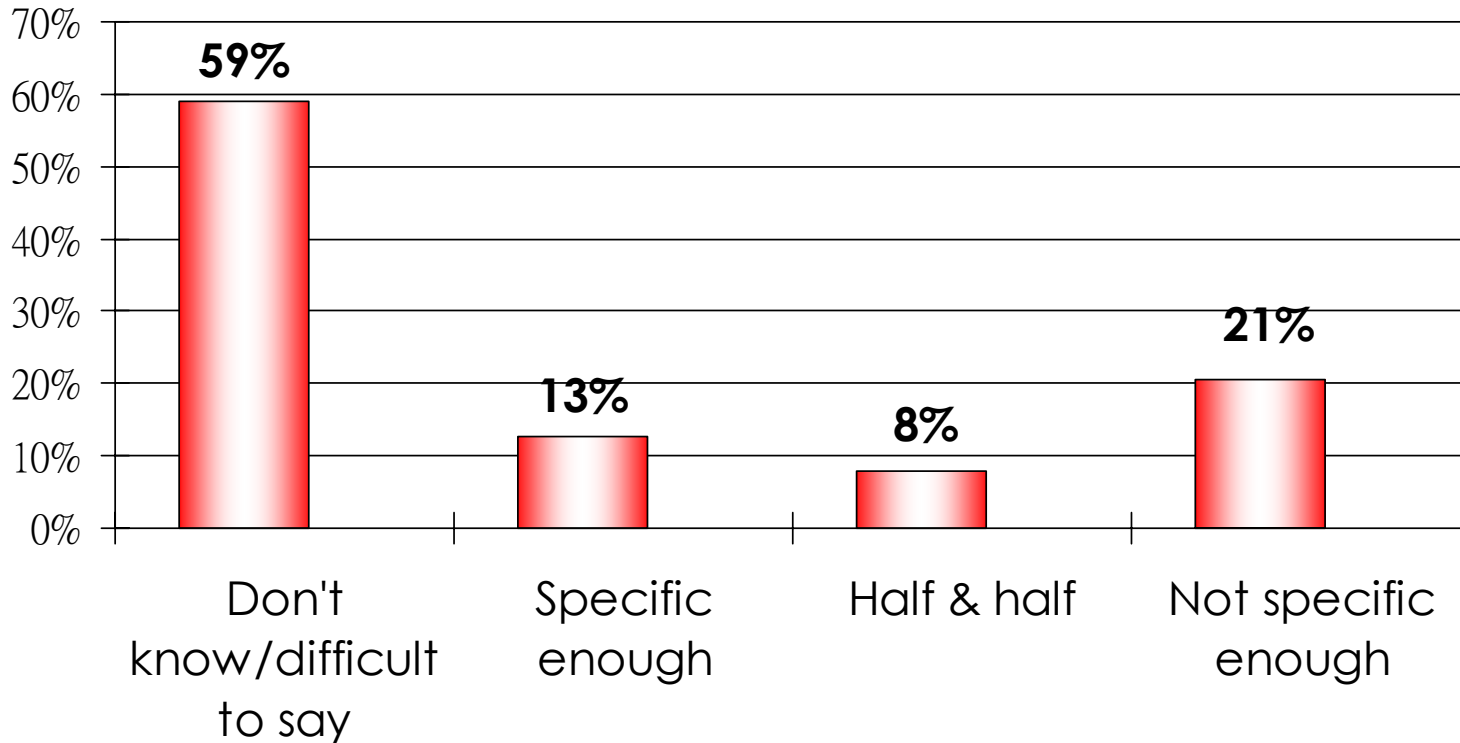


Successful samples : 508 (Multiple choice)¹⁸

Close to 60% respondents do not know that mono anti-allergy drug is not specific enough for managing eye allergy symptoms

13% wrongfully think it's specific enough

Q : Based on what you know, do you think the mono anti-allergy drug is specific enough for managing eye allergy symptoms?

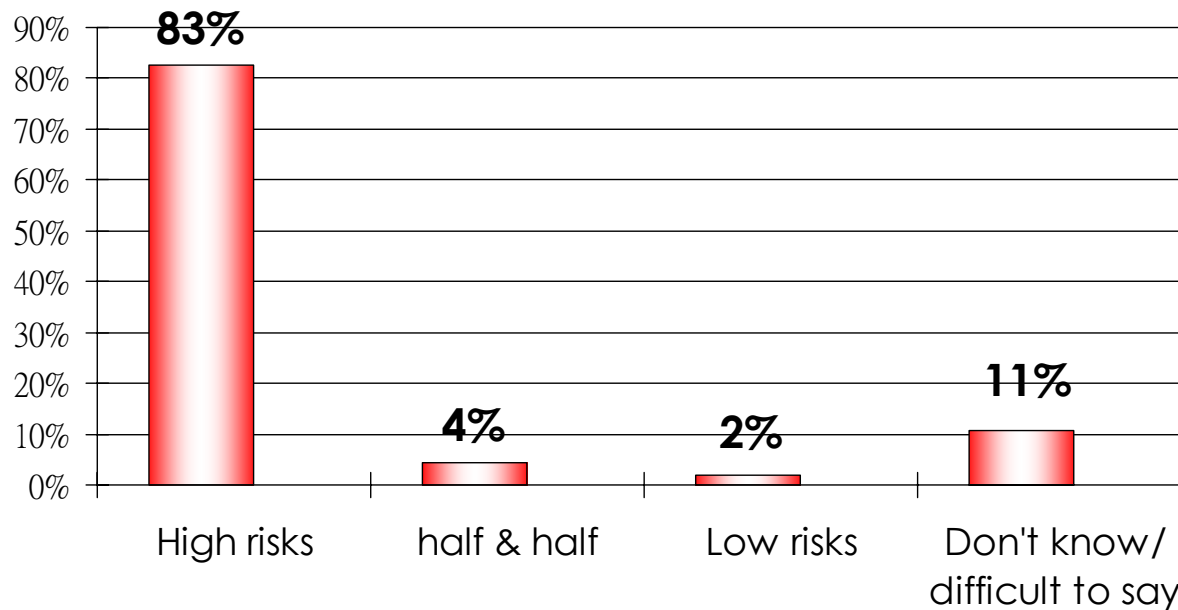


Successful samples : 511

19

83% respondents consider there're high risks in association with long-term use of corticosteroid

Q : Do you think the risks in association with the long-term use of corticosteroid treatment is high or low?

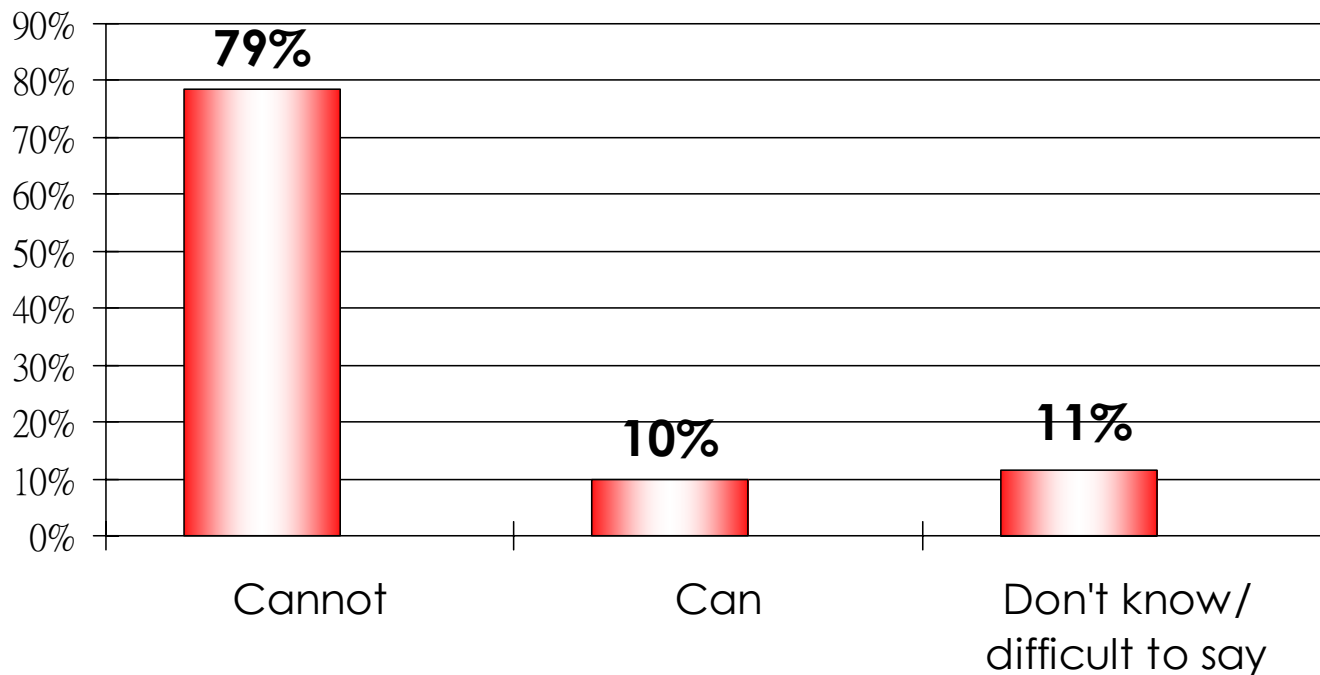


Successful samples : 510 20

79% respondents think that

the common decongestant eye drop cannot relieve the eye allergy symptoms and cure eye allergy concurrently

Q : Do you think the common decongestant eye drop can both relieve the eye allergy symptoms and treat eye allergy concurrently?

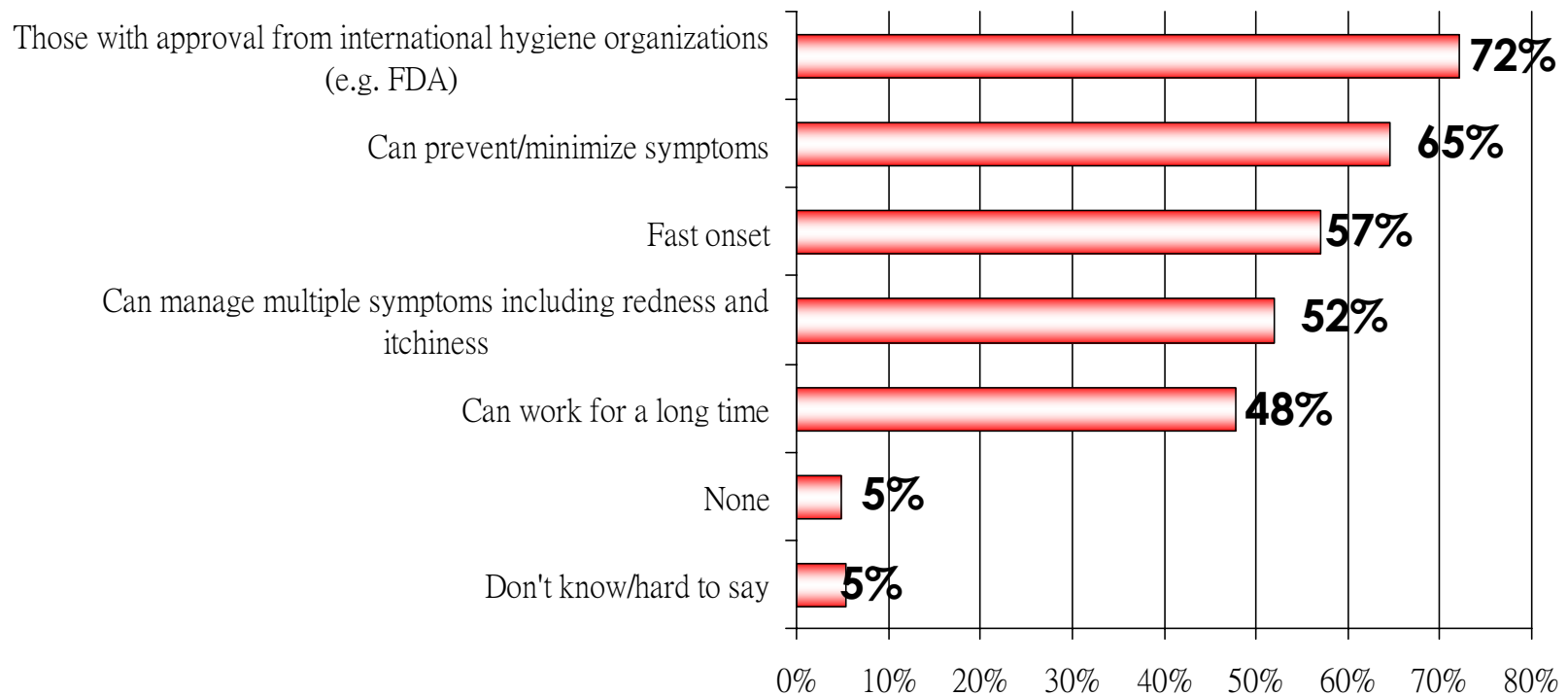


Successful samples : 511 21

72% respondents agree the ideal eye allergy therapy should be:

Those with approval from international hygiene organizations (such as FDA)

Q : Do you agree that an ideal eye allergy therapy should be...



Successful samples : 509 (Multiple choice) 22

Conclusion

Eye Allergy affect daily life of patients

- The key eye allergy symptoms are: Itchy eyes and eye pain.
- 32% of respondents experience eye allergy symptoms at least once every week, and suffered from eye allergy for 4.7 years on average.
- Close to 40% of respondents and 48% of their family members also have rhinitis.
- Eye Allergy affect daily life or work, and some respondents claim it affects work performance
- Respondents report the top 5 allergens at home to be: bed sheet, dust, cooking smoke, curtains and chemicals, and the top 3 allergens at work are: indoor ventilation system, chemicals and carpet.
- Summary of top 5 allergens to working respondents are: bed sheet, indoor ventilation system, chemicals, dust and curtains.

Inadequate knowledge about proper treatment among respondents

- 64% respondents think allergens are inevitable.
- 39% respondents use eye drops to relieve symptoms of eye allergy
- Close to 60% respondents do not know mono anti-allergy drug is not specific enough for managing eye allergy symptoms
- 83% respondents consider there're high risks in association with the long-term use of corticosteroid.
- 79% of respondents think that the common decongestant eye drop cannot relieve eye allergy symptoms and cure eye allergy concurrently.