

Dadansoddi ar gyfer Polisi



Analysis for Policy



Llywodraeth Cymru
Welsh Government

SOCIAL RESEARCH NUMBER:

53/2017

PUBLICATION DATE:

27/09/2017

Survey of sunbed use in Wales: Summary briefing

Mae'r ddogfen yma hefyd ar gael yn Gymraeg.

This document is also available in Welsh.

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Survey of sunbed use in Wales:

Summary briefing

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Data collection undertaken by Beaufort Research Ltd.

Views expressed in this report are those of the researcher and not necessarily those of the Welsh Government

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1. Key findings

1.1 Background

- In April 2011, a ban on businesses allowing under 18s to use sunbeds on their premises came into force in Wales and England. In October 2011, the Welsh Government introduced further controls for sunbed use in Wales, making it an offence for sunbed salons to be unsupervised, or to sell or hire a sunbed to anyone under 18 years old.
- To gain a better understanding of sunbed use in Wales, and the awareness and understanding of the regulations among the public, the Welsh Government commissioned questions in the Wales Omnibus Survey (February and March 2017) and the Children's Omnibus Survey (April 2017), conducted by Beaufort Research Ltd.
- The Wales Omnibus Survey sample is designed to be representative of the population aged 16+ years resident in Wales. The Children's Omnibus Survey sample is designed to be representative of the child and young adult population resident in Wales aged 7-18 years old. However, only children aged 10-16 years were asked questions relating to sunbed use.

1.2 Wales Omnibus Survey

- More than one out of five adult respondents (22 per cent) said they had used a sunbed. Two thirds (67 per cent) say they had 'never used a sunbed and would never want to' while 2 per cent said they had 'never used a sunbed but may do in the future'.
- Around two thirds of respondents who had used a sunbed (65 per cent) said they used a sunbed once a year or less. More than one out of ten who had used a sunbed (13 per cent) said they used a sunbed at least once a week.
- Respondents who had used a sunbed were asked an open-ended question 'What are the reasons you have used a sunbed?'. The most frequent responses were 'to look better' (42 per cent), 'to get a base tan before holiday' (32 per cent), and 'to feel healthier' (25 per cent).
- All respondents were asked 'Could you tell me, at what age you think you are legally allowed to use a sunbed in Wales?'. Less than half (47 per cent) correctly said 18 years old, while around one third (32 per cent) said 16 years old. This lack of knowledge may not be a major concern given that these respondents were of legal age.

- Respondents who had used a sunbed were shown a leaflet that sunbed businesses must give to customers and a poster that must be displayed on their premises highlighting the risks associated with use. Around half (53 per cent) had seen at least one of the documents, including three out of ten (30 per cent) who had seen both. However, 43 per cent had not seen either the leaflet or the poster. It is not possible to tell from the data whether this is because businesses did not provide the information, or if the respondents (many of whom had not used a sunbed in the past year) were shown the information but do not recall it.

1.3 Children's Omnibus Survey

- Less than one per cent of children surveyed said they had used a sunbed. More than (53 per cent) said they had 'never used a sunbed and would never want to', while one out of ten (11 per cent) said they had 'never used a sunbed but may do in the future'.
- All children surveyed were asked 'Could you tell me, at what age you think you are legally allowed to use a sunbed in Wales?'. More than a third (36 per cent) correctly said 18 years old, while three out of ten (30 per cent) said 16 years old. This may point to a need to raise awareness among younger people of the legal age for using sunbeds. However, as long as sunbed businesses verify the age of customers, it may not be a major concern given that so few people under the age of 18 use sunbeds or intend to use them in the future.

1.4 Future research

- These findings provide useful, policy relevant information based on surveys of the public in Wales. However, as sunbed regulations require businesses (rather than customers) to be knowledgeable of the regulations and to enforce them, a key evidence gap remains around the extent to which sunbed businesses are aware of, understand and enforce the regulations. Research with sunbed businesses may therefore be a key area for future investment.

2. Introduction

2.1 Background

In April 2011, a ban on businesses allowing under 18s to use sunbeds on their premises came into force in Wales and England through the introduction of the Sunbeds (Regulation) Act 2010.

The Sunbeds (Regulation) Act 2010 (Wales) Regulations 2011, which came into force in October 2011, introduced further controls for sunbed use in Wales by ensuring that businesses:

- prohibit the sale or hire of sunbeds to under 18s;
- supervise the use of sunbeds;
- provide safe and appropriate protective eyewear;
- display the prescribed health information in a prominent position and make available to sunbed users; and
- do not provide or display any material that contains statements relating to the health effects of sunbeds other than the prescribed health information.

The Regulations also extend the ban on the use of sunbeds by under 18s to businesses that operate from a domestic premises.

In order to gain a better understanding of sunbed use in Wales, and the awareness and understanding of the regulations among the public, the Welsh Government commissioned questions in the Wales Omnibus Survey (February and March 2017) and the Children's Omnibus Survey (April 2017), conducted by Beaufort Research Ltd.

2.2 About this report

For both the Wales Omnibus Survey and the Children's Omnibus Survey, questions were asked regarding sunbed use, awareness of sunbed regulations and use of tanning products. For those that had used a sunbed, questions were asked around frequency and length of sunbed use, place of use and sunbed safety. For those that had not used a sunbed, questions were asked about the reasons for not using a sunbed and the likelihood of future use.

The survey fieldwork was conducted for each survey as shown below:

- Wales Omnibus Survey (face to face interviews with 1,035 respondents) was conducted between 27 February and 12 March 2017. A few interviews were conducted after these dates. The survey sample is designed to be representative of the population resident in Wales aged 16 years and over.
- Children's Omnibus Survey (face to face interviews with 303 respondents) was conducted between 3 and 23 April 2017. The survey sample is designed to be representative of the child and young adult population resident in Wales aged 7-18 years old. However, only children aged 10-16 years were asked questions relating to sunbed use.

The first part of this report (sections 3 to 5) presents findings from the Wales Omnibus Survey; the second part (section 6) presents findings from the Children's Omnibus Survey; and the final part (section 7) presents a discussion of the findings.

3. Wales Omnibus Survey

3.1 Adult sunbed use in Wales

All respondents were asked if they had ever used, or were considering using a sunbed. More than one out of five respondents (22 per cent) said they had used a sunbed. Two thirds of respondents (67 per cent) say they have 'never used a sunbed and would never want to', while two per cent said they had 'never used a sunbed but may do in the future' (Table 1).

Table 1: 'Have you ever or are you considering using a sunbed?'

	Percentage of respondents
I have never used a sunbed and would never want to	67
I have used a sunbed	22
I have never used a sunbed but may do in the future	2
<i>Never heard of sunbeds / Don't know what they are</i>	9

Base: 1,035 respondents.

3.2 Legal restrictions on sunbed use

All respondents were asked 'Could you tell me, at what age you think you are legally allowed to use a sunbed in Wales?'¹. Less than half of the respondents (47 per cent) said 18 years old. Around one third (32 per cent) said 16 years old (Table 2).

Table 2: 'At what age you think you are legally allowed to use a sunbed in Wales?'

	Percentage of respondents
Under 16	2
16 years	32
18 years	47
Over 18	5
<i>Don't know</i>	15

Base: 1,035 respondents.

¹ The age restriction is on businesses not allowing under 18s to use a sunbed on their premises. It is not illegal for an under 18 to use a sunbed at home provided that sunbed is not part of a business operating from that home.

3.3 Beliefs around sunbed use

Respondents (excluding those who had never heard of sunbeds or don't know what they are) were asked to what extent they agreed or disagreed with the following statements about sunbed use²:

- 'Exposure to sunbeds increases risk of skin cancer'
- 'Exposure to sunbeds increases ageing of the skin'
- 'Exposure to sunbeds protects the skin'
- 'Exposure to sunbeds is good for confidence'

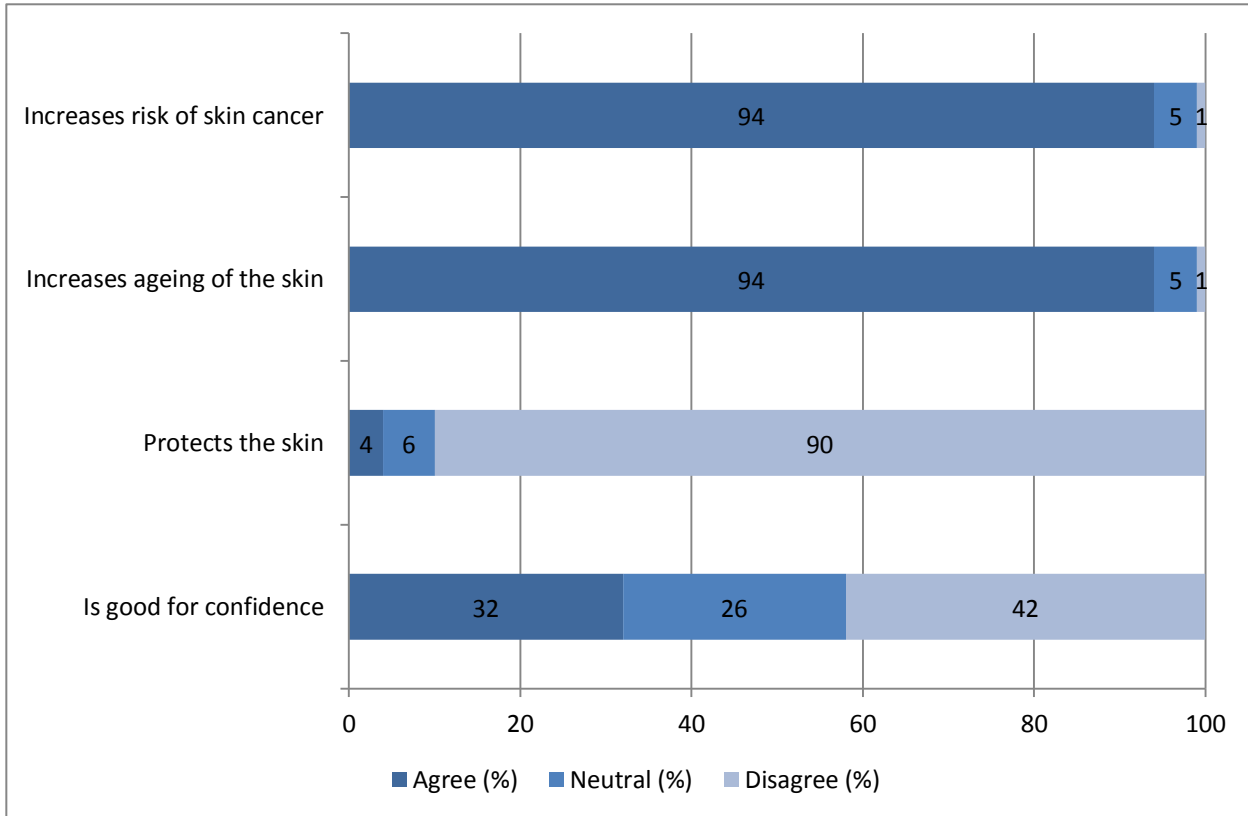
As Figure 1 shows, the same proportion of respondents (94 per cent) agreed that exposure to sunbeds 'increases the risk of cancer' and 'increases ageing of the skin'.

Nine out of ten respondents (90 per cent) disagreed that exposure to sunbeds 'protects the skin'. Almost one in twenty (4 per cent) agreed with the statement.

Responses were more divided around the statement 'exposure to sunbeds is good for confidence'. Almost a third (32 per cent) agreed with this statement, around two fifths (42 per cent) disagreed, and around a quarter (26 per cent) were neutral.

² The first two statements in this list are true and the third statement is false. Use of sunbeds increases the risk of contracting skin cancer and causes premature ageing of the skin. See <http://www.wales.nhs.uk/sitesplus/888/page/43865>

Figure 1: Statements about exposure to sunbeds



Base: 942 respondents. 'Agree' category includes 'Strongly agree' and 'Agree'; 'Disagree' category includes 'Strongly disagree' and 'Disagree'; 'Neutral' category includes 'Neither agree nor disagree' and 'Don't know'.

3.4 Tanning products

All respondents were asked 'Have you ever used any tanning products to enhance your natural colouring (for example spray tan, tanning lotion or melatonin injection)?'. Around a quarter (23 per cent) had used tanning products.

4. Adult sunbed users

For those respondents that had used a sunbed, further questions were asked to assess frequency and length of sunbed use, location of sunbed use and their sunbed safety.

4.1 Last sunbed use

Respondents who had used a sunbed were asked 'When was the last time you used a sunbed?'. Three quarters (76 per cent) said their last sunbed use was more than one year ago (Table 3).

Table 3: 'When was the last time you used a sunbed?'

	Percentage of respondents
Less than 1 month ago	7
1 to 6 months ago	8
6 to 12 months ago	7
More than 1 year ago	76
<i>Don't know</i>	2

Base: 227 respondents

4.2 Frequency of sunbed use

Respondents who had used a sunbed were asked 'How often do you use a sunbed?'. Almost two thirds (65 per cent) said they used a sunbed once a year or less. At the other end of the scale, more than one in ten (13 per cent) said they used a sunbed at least once a week (Table 4).

Table 4: 'How often do you use a sunbed?'

	Percentage of respondents
At least once a week	13
Every 2 weeks – month	7
Every 2 – 6 months	8
Once a year or less	65
<i>Don't know / refused</i>	7

Base: 227 respondents

4.3 Length of time on a sunbed

Respondents who had used a sunbed were asked ‘How long do you usually spend on a sunbed per session?’. The greatest proportion of respondents (43 per cent) said they spend between five and ten minutes on a sunbed per session (Table 5).

Table 5: ‘How long do you usually spend on a sunbed per session?’

	Percentage of respondents
Less than 5 minutes	18
5 – 10 minutes	43
11 minutes or more	26
<i>Don't know</i>	13

Base: 227 respondents

4.4 Age of first sunbed use

Respondents who had used a sunbed were asked ‘How old were you the first time you used a sunbed?’. Fourteen per cent of respondents said that they were under the age of 18. Half of the respondents (50 per cent) said that they were between 18 and 29, while three out of ten (30 per cent) were aged 30 or over. The remaining five per cent said they didn't know.

4.5 Location of sunbed use

Respondents who had used a sunbed were asked ‘Where have you used a sunbed?’. The majority of respondents said they had used a sunbed at a location (tanning or beauty salon or gym or leisure centre) where there were staff available to help them (Table 6).

Table 6: ‘Where have you used a sunbed?’

	Percentage of respondents
Tanning or beauty salon (with staff to help)	54
Gym or leisure centre (with staff to help)	15
At home / At a friend's home	15
Tanning or beauty salon (without staff to help)	13
Gym or leisure centre (without staff to help)	6
Coin operated	4
<i>Other</i>	3

Base: 227 respondents. Respondents were able to choose more than one location if appropriate so total percentage may exceed 100.

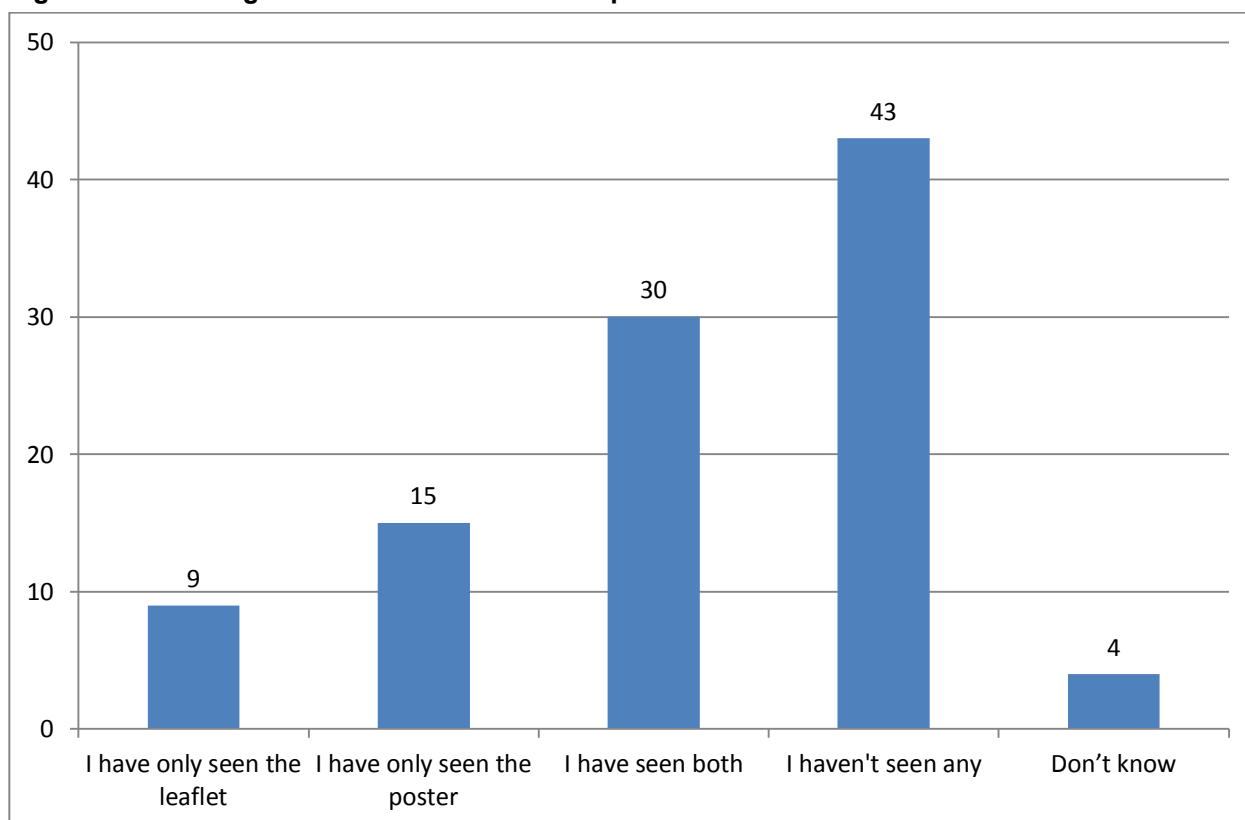
4.6 Awareness of prescribed health information

In order to comply with the regulations in Wales, a person with a sunbed business must present health information (provided by the Welsh Government) about sunbed use to those who seek to use, or use a sunbed. They must also display a notice of public health information provided by the Welsh Government.

Respondents were shown the leaflet and notice provided by Welsh Government³, and were asked 'Have you seen any of this information in the tanning/beauty salon, or gym/leisure centre highlighting the risks associated with use?'

Around half (53 per cent) had seen at least one of the documents, including three out of ten respondents (30 per cent) who had seen both. Around one out of ten (9 per cent) had only seen the leaflet, while 15 per cent had only seen the poster. Forty-three per cent had not seen either the leaflet or the poster (Figure 2).

Figure 2: Percentage of sunbed users aware of prescribed health information



Base: 227 respondents

³ Welsh Government (2011), [Health information to comply with the Sunbeds \(Regulation\) Act 2010 \(Wales\) Regulations 2011](#),

4.7 Sunbed refusal

Sunbed users were asked 'Have you ever been refused a sunbed session?'⁴. Almost all respondents (98 per cent) said they had not been refused a sunbed session. One per cent said yes and one per cent said that they didn't know.

4.8 Burning from sunbed use

Sunbed users were asked 'Have you ever been burnt from using a sunbed?'. Respondents were shown pictures of sunburn to help define what we mean by the term 'sunburn'.

Around a quarter (26 per cent) had said they had been burnt from using a sunbed. Of those who had been burnt, eight per cent (five out of 59 respondents) said that they required medical attention.

Almost three quarters of sunbed users (73 per cent) said they had not been burnt from using a sunbed.

4.9 Protective eyewear

Sunbed users were asked 'How often do you wear protective goggles when using sunbeds (these protective goggles are sometimes referred to as 'winkies')?'⁵. Around seven out of ten (71 per cent) said they 'always' wear protective goggles when using a sunbed. Around one out of ten (11 per cent) said they 'sometimes' or 'rarely' wear protective goggles, while 14 per cent said they 'never' wear protective goggles when using a sunbed. The remainder of respondents said they didn't know.

4.10 Reasons for sunbed use

Sunbed users were asked an open-ended questions 'What are the reasons you have used a sunbed?'. As Table 7 shows, the most frequent responses were 'to look better' (42 per cent), 'to get a base tan before holiday' (32 per cent) and 'to feel healthier' (25 per cent).

⁴ Under the regulations, supervisors are required to verify that customers are aged 18 or older, and provide guidance that takes into account customer's skin type and any skin or medical conditions they have. A customer aged 18 or over with Type I or II skin should be advised not to use the sunbed but could still choose to do so, being aware of the risks. However, a business may also refuse to allow an individual to use a sunbed. See <http://gov.wales/docs/phhs/publications/111004guidanceen.pdf>

⁵ Under the regulations, supervisors are required to ensure protective eyewear is provided or, if a customer has their own appropriate protective eyewear, to ensure so far as is practicable that the eyewear is worn by the customer. See <http://gov.wales/docs/phhs/publications/111004guidanceen.pdf>

Table 7: 'What are the reasons you have used a sunbed?'

	Percentage of respondents
To look better	42
Base tan before holiday	32
To feel healthier	25
To keep tanned over winter	10
Friends and family use it	9
<i>Other</i>	20

Base: 227 respondents

5. Adult non-sunbed users

5.1 Reasons for non use

Respondents who had never used a sunbed were asked unprompted 'For what reasons have you not used a sunbed?'. The majority of respondents (58 per cent) said that it was because they were 'not interested'. Other responses included 'concerns about skin cancer' (41 per cent), 'other health reasons' (23 per cent) and 'worried about skin ageing' (8 per cent).

5.2 Future sunbed use

Respondents who had never used a sunbed were asked 'How likely do you think it is that you would use a sunbed in the future?'. Almost all (98 per cent) said they will not use a sunbed in the future. One per cent said that they would, and one per cent didn't.

6. Children’s Omnibus Survey

6.1 Children’s sunbed use

All respondents were asked if they had ever used, or were considering using a sunbed. Less than one per cent of respondents said they had used a sunbed. More than half of respondents (53 per cent) said they had ‘never used a sunbed and would never want to’, while one out of ten (11 per cent) said they had ‘never used a sunbed but may do in the future’. More than a third of respondents (36 per cent) said they have ‘never heard of sunbeds’ or don’t know what they are.

Due to the low numbers of children reporting that they have used a sunbed, responses to sunbed users questions are not included in this report.

6.2 Legal restrictions on sunbed use

Respondents were asked ‘Could you tell me, at what age you think you are legally allowed to use a sunbed in Wales?’⁶. More than a third of respondents (36 per cent) said 18 years old, while three out of ten (30 per cent) said 16 years old. Almost a quarter (23 per cent) said they don’t know (Table 8).

Table 8: ‘At what age you think you are legally allowed to use a sunbed in Wales?’

	Percentage of respondents
Under 16	5
16 years	30
18 years	36
Over 18	3
<i>Don’t know</i>	23

Base: 303 respondents

⁶ The age restriction is on businesses not allowing under 18s to use a sunbed on their premises. It is not illegal for an under 18 to use a sunbed at home provided that sunbed is not part of a business operating from that home.

6.3 Beliefs around sunbed use

Respondents (excluding those who had never heard of sunbeds or don't know what they are) were asked to what extent they agreed or disagreed with the following statements about sunbed use⁷:

- 'Exposure to sunbeds increases risk of skin cancer'
- 'Exposure to sunbeds increases ageing of the skin'
- 'Exposure to sunbeds protects the skin'
- 'Exposure to sunbeds is good for confidence'

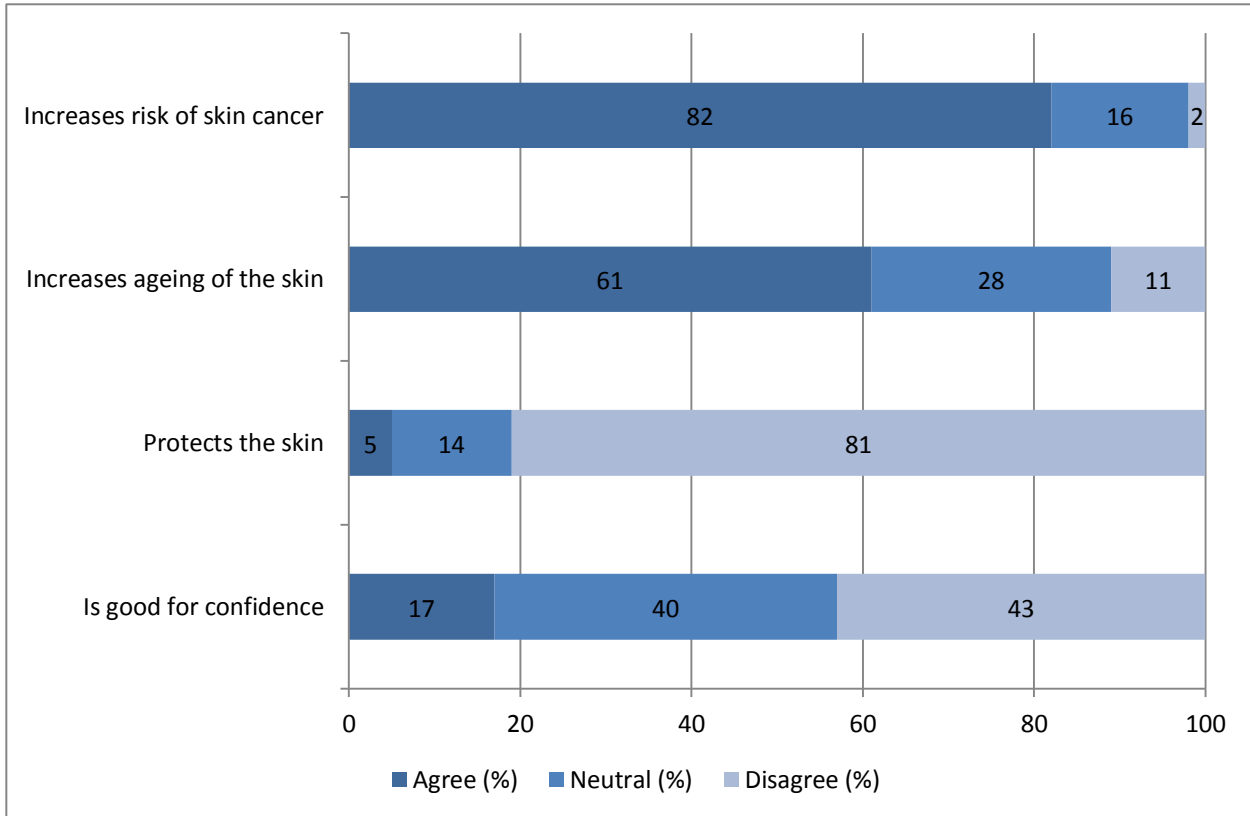
As Figure 3 shows, around eight out of ten respondents (82 per cent) agreed that exposure to sunbeds 'increases the risk of cancer', while around six out of ten (61 per cent) agreed that it 'increases ageing of the skin'.

Around eight out of ten respondents (82 per cent) disagreed that exposure to sunbeds 'protects the skin', while one in twenty (5 per cent) agreed with the statement.

Responses were more divided around the statement 'exposure to sunbeds is good for confidence'. Around one in six (17 per cent) agreed with this statement, more than two fifths (43 per cent) disagreed, and 40 per cent were neutral.

⁷ The first two statements in this list are true and the third statement is false. Use of sunbeds increases the risk of contracting skin cancer and causes premature ageing of the skin. See <http://www.wales.nhs.uk/sitesplus/888/page/43865>

Figure 3: Statements about exposure to sunbeds



Base: 186 respondents. 'Agree' category includes 'Strongly agree' and 'Agree'; 'Disagree' category includes 'Strongly disagree' and 'Disagree'; 'Neutral' category includes 'Neither agree nor disagree' and 'Don't know'.

6.4 Tanning products

All respondents were asked 'Have you ever used any tanning products to enhance your natural colouring (for example spray tan, tanning lotion, melatonin injection)?'. Just over one out of ten respondents (13 per cent) had used a tanning product.

6.5 Reasons for non use

Respondents who had never used a sunbed were asked unprompted ‘For what reasons have you not used a sunbed?’. As Table 9 shows, just under half (46 per cent) said that it was because they were ‘not interested’. Other responses included ‘concerns about skin cancer’ (24 per cent) and ‘too young’ (13 per cent).

Table 9: ‘For what reasons have you not used a sunbed?’

	Percentage of respondents
Not interested	46
Concerns about skin cancer	24
Too young	13
Other health reasons	13
<i>Other</i>	24

Base: 185 respondents

6.6 Future sunbed use

Respondents who had never used a sunbed were asked ‘How likely do you think it is that you would use a sunbed in the future?’. Almost nine out of ten (87 per cent) said they will not use a sunbed in the future. Ten per cent said that they would, and three per cent didn’t know.

7. Discussion

7.1 Prevalence of sunbed use

Around one out of five adults in Wales have used a sunbed, with most users saying that they use a sunbed less than once a year. For adults who are non-sunbed users, almost all said they will not use a sunbed in the future. Estimates of the prevalence of sunbed use in other countries tend to be higher (see for example Mackenzie et al, 2014⁸) but differences in methods make reliable comparisons difficult.

Among the 10-16 year olds surveyed, less than one per cent had used a sunbed, and nine out of ten said they will not use a sunbed in the future. Older studies estimated that around eight per cent of secondary school children in Wales (Cancer Research UK, 2009⁹) and six per cent England (Thomson et al, 2010¹⁰) had used a sunbed. This would suggest that sunbed use among young people in Wales in 2017 is lower than may otherwise have been expected.

However, with limited Welsh baseline data to compare with, it is not possible to draw any conclusions on trends in Wales, or whether any of the figures in this report have changed since regulations were introduced in 2010 and 2011.

7.2 Attitudes to sunbed use and knowledge of health impacts

Large proportions of adults and children agreed that use of sunbeds increases risk of cancer and ageing of the skin, and disagreed that sunbed use protects the skin, suggesting that knowledge about the risks of sunbed use is high. Responses were more mixed around whether sunbed exposure is good for confidence, and perceptions about looking better were common drivers for sunbed use among users. It appears that the perceived benefits of looking better and feeling more confident are still important to sunbed users even if they are aware of the health risks. More in-depth qualitative research would be needed to further investigate the drivers of sunbed use.

⁸ Mackenzie, R.W. et al (2014) 'International Prevalence of Indoor Tanning A Systematic Review and Meta-analysis', *JAMA Dermatology*, 150(4): 390-400.

⁹ Cancer Research UK (2009) *Study of sunbed use in children in Wales: final summary report*, amended October 2009.

¹⁰ Thomson, C.S. et al (2010) 'Sunbed use in children aged 11-17 in England: face to face quota sampling surveys in the National Prevalence Study and Six Cities Study', *BMJ*, 340:c877.

7.3 Sunbed regulations

Under the regulations, businesses are banned from allowing under 18s to use a sunbed on their premises. The findings may point to a need to raise awareness of this restriction among younger people. However, as long as sunbed businesses themselves understand the regulations and verify the age of customers, it may not be a major concern given that so few people under the age of 18 use sunbeds or intend to use them in the future.

The findings show that it is very uncommon for customers to be refused use of sunbeds. However it is not possible to tell the extent to which regulations are being enforced by businesses from this study.

Around four out of ten adults that had used a sunbed said they had not seen either the leaflet or poster that sunbed businesses must give to customers. We do not know whether this is because businesses did not provide the information to these respondents, or if the respondents (many of whom had not used a sunbed in the past year) were shown the information but do not recall it – an issue that is well established in survey research (Bradburn, 1987)¹¹. Further investigation would therefore be required to establish the extent to which sunbed businesses are providing this information. The findings also suggest that sunbed users do not always wear protective eyewear but again it is not possible to tell from the data the extent to which businesses are enforcing the regulations of providing protective eyewear (or ensuring so far as is practicable that eyewear is worn by the customer). A different research approach would be required to elicit this information.

7.4 Future research

Despite some of the limitations noted above, these findings provide useful, policy relevant information on sunbed use among adults and young people in Wales, attitudes towards sunbed use, and awareness and understanding of the regulations among the public. If these surveys are to be repeated in the future, these findings can provide a baseline measurement.

As sunbed regulations in Wales require businesses (rather than customers) to be knowledgeable of the regulations and to enforce them, a key evidence gap remains around the extent to which sunbed businesses are aware of, understand and enforce the regulations. Research with sunbed businesses may therefore be an area for future investment.

¹¹ Bradburn, N.M et al (1987) 'Answering Autobiographical Questions: The Impact of Memory and Inference on Surveys', *Science*, v236, p157(5).

Annex A: Methodology

Wales Omnibus Survey

The Wales Omnibus Survey sample is designed to be representative of the population aged 16+ resident in Wales. The unit of sampling is Lower Super Output Area (LSOA) and 69 interviewing points throughout Wales are selected with probability proportional to resident population, after stratification by unitary authority and social group.

Within each sampling point, demographic quota controls of age and social class within sex are employed for the selection of respondents. Quotas are set to reflect the individual demographic profile of each selected point.

The data have been weighted by age group within gender within unitary authority grouping to give each cell its correct incidence within the Wales total derived from the results of the 2011 Census.

A fresh sample of interviewing locations and individuals are selected for each survey and no more than one person per household is interviewed. Interviews are conducted face to face in the homes of respondents utilising CAPI (Computer Aided Personal Interviewing) technology.

For the Wales Omnibus, most survey fieldwork was conducted between 27 February and 12 March 2017, with a few interviews conducted after this date. A total of 1,035 face-to-face interviews were conducted and analysed.

Children's Omnibus Survey

The Children's Omnibus sample is designed to be representative of the child and young adult population resident in Wales aged 7-18 years old. For the survey, 43 Welsh Omnibus Points were selected after stratification by region (based on unitary authority). This was done by selecting sampling points to ensure a broadly representative geographical spread across the country and across each region and to cover a mixture of urban and rural areas.

Within each sampling point, interlocking quota controls of age within gender were employed for the selection of respondents. Also, a non-interlocking quota on Welsh language speaking ability was used. All demographic details were collected from an adult responsible for the 7-15 year old child (e.g. a parent or guardian), but were collected directly from 16-18 year old respondents.

For all interviews with 7-15 year olds, consent was given by the responsible adult before the start of the interview. Age within gender quotas were set to reflect the demographic profile of 7-18 year old Welsh residents. A different quota was set for each point for Welsh language speaking ability. No more than one child / young person per household was interviewed.

Interviews are conducted face to face in the homes of respondents utilising CAPI (Computer Aided Personal Interviewing) technology. Beaufort's experienced fieldworkers were used with postal and telephone back-checking in accordance with ISO 20252. All fieldwork was conducted in accordance with the MRS Code of Conduct and, specifically, the Guidelines for Conducting Research with Children and Young People.

The fieldwork for the April 2017 survey was conducted over the period 3 to 23 April. A total of 530 interviews with children aged 7- 18 years of age were completed and analysed. This report focusses on children aged 10-16 years, with whom a total of 303 interviews were conducted.

Sub-sample sizes

Tables A.1 and A.2, below, show the number of respondents for each sub-sample used in the analysis of the Wales Omnibus (February and March 2017) and Children's Omnibus (April 2017) data. The numbers of respondents are given for the unweighted and weighted samples.

Table A.1: Sub-sample numbers from the Wales Omnibus Survey

	Wales Omnibus Survey	
	Unweighted sample	Weighted sample
Region		
North Wales	235	233
Mid & West Wales	170	176
Swansea Bay	165	176
Valleys	195	181
Cardiff & South East Wales	270	269
Age		
16 – 34 years	263	303
35 – 54 years	287	338
55+ years	485	394
Gender		
Men	435	503
Women	600	532
Social group		
ABC1	549	554
C2DE	485	479

Table A.2: Sub-sample numbers from the Children’s Omnibus

	Children’s Omnibus	
	Unweighted sample	Weighted sample
Region		
North Wales	66	74
Mid & West Wales	100	99
South East Wales &The Valleys	137	151
Age		
10 – 12 years	155	158
13 – 16 years	148	167
Gender		
Men	143	160
Women	160	165
Social group		
ABC1	116	145
C2DE	187	180

Annex B: Questionnaire

Sunbed omnibus questions

ALL

SHOWCARD

We are now going to ask you some questions about use of sunbeds for indoor tanning.

[Show Doc 1 and Doc 2.]

By sunbeds, we mean tanning machines that you either lie down on, or cubicles that you stand up in to get a tan, using fake sunlight. We do not mean sun loungers you lie on by the pool or on the beach.

1) Have you ever or are you considering using a sunbed?

- I have used sunbeds.....1
- I have never used a sunbed but may do in the future..... 2
- I have never used a sunbed and would never want to..... 3
- Never heard of sunbeds/Don't know what they are..... 4

SUNBED USERS (ASK IF ANSWERED '1' IN Q1)

2) When was the last time you used a sunbed?

- Less than 1 month
- 1-6 months ago
- 6-12 months ago
- More than 1 year ago
- Don't know
-

3) How often do you use a sunbed?

- At least once a week
- Every 2 weeks – month
- Every 2-6 months
- Once a year or less
- Don't know
-

4) How long do you usually spend on a sunbed per session?

-
-

5) How old were you the first time you used a sunbed?

6) Where have you used a sunbed? [CHOOSE ALL THAT APPLY]

At home / a friend's home

With supervision:

At tanning / beauty salon with staff to help you

At gym / leisure centre with staff to help you

Without supervision:

At tanning / beauty salon without staff to help you

At gym / leisure centre without staff to help you

Coin operated [IF YES]

Was this in Wales?

Other/Don't know

(*Interviewer note: Some hospital treatments involve phototherapy which could be confused for 'sunbed' treatment. We don't want to include it as an option but can it be recorded if anyone does mention this please?)

7) Have you seen any of the following information in the tanning / beauty salon or gym / leisure centre highlighting the risks associated with use?

Show Doc 3. (leaflet) and Doc. 4 (poster)

Yes – have only seen the leaflet

Yes – have only seen the poster

Yes – I have seen both

No – I haven't seen either

Don't know

8) Have you ever been refused a sunbed session?

[If YES]

Why?

PROMPT : Age
 Skin type

9) Have you ever been burnt from using a sunbed?

Show Doc 5.

[IF YES]

Did this require medical attention?

10) How often do you wear protective goggles when using sunbeds (these protective goggles are sometimes referred to as 'winkies')?

Always

Sometimes

Rarely

Never

11)Do you visit sunbed sessions alone or with friends / company?

- Always alone
- Mostly alone
- Always with friends
- Mostly with friends
- Always with family
- Mostly with family
- Other

12)What are the reasons you have used a sunbed? [OPEN]

- [PROMPT]
- To look better
 - To feel healthier
 - Quicker than other options
 - Base tan before holiday
 - Keep tanned over winter
 - Friends / family use it

NON-USERS (ASK IF ANSWERED '2,3,4' IN Q1)

13)For what reason have you not used a sunbed? [OPEN]

- [Code answers:]
- Concerns about skin cancer
 - Other health reasons
 - Not interested
 - No facilities near me
 - Worried about skin ageing
 - Other

14)How likely to do you think it is that you would use a sunbed in the future?

- Definitely will
- Probably will
- Probably will not
- Definitely will not

15) [IF ANSWERED DEFINITELY OR PROBABLY WILL] Why do you think you will use a sunbed in the future? [OPEN]

ALL

16) Could you tell me, at what age you are legally allowed to use a sunbed in Wales?_[OPEN]

17) Could you tell me to what extent you agree or disagree with the following statements

Exposure to the sunbeds ...

Increases risk of skin cancer

Increases ageing of the skin

Protects the skin

Is good for confidence

Answer:

Strongly agree

Agree

Neither agree nor disagree

Disagree

Strongly disagree

**18)Have you used any tanning products to enhance your natural colouring?
[If YES]**

Could you tell me what products you have used? [OPEN]

[Prompts could include spray tan, tanning lotion, melatonin injection]