

FAA Aerospace Medical Certification Services Airman Satisfaction Survey

Comparison of Summary Results for:

2014 Overall Results Compared with 2012 Results for Comparable Items

Federal Aviation Administration Civil Aerospace Medical Institute Aerospace Human Factors Research Division Oklahoma City, Oklahoma

And

Xyant Technology, Incorporated Oklahoma City, Oklahoma

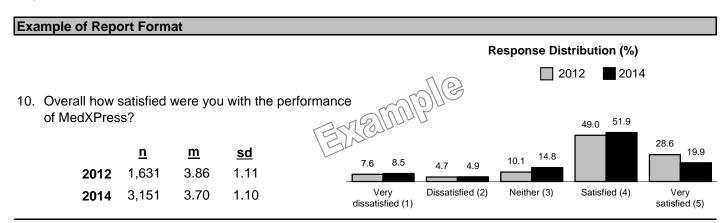
Explanation of Report Content

The Federal Aviation Administration's (FAA) Civil Aerospace Medical Institute has surveyed airmen three times since 2006, in 2008, 2012, and most recently in 2014. The survey examined satisfaction with Aerospace Medical Certification Services provided by AMEs, FAA Regional Flight Surgeons, and the FAA Aerospace Medical Certification Division in Oklahoma City. The goal of each survey has been to evaluate the degree of customer satisfaction with Aerospace Medical Certification Services, identify areas in which the FAA may improve its services to airmen, and assess change in customer satisfaction as a result of those improvements. Airmen participation in the survey has always been voluntary.

An invitation to complete the 2014 survey was distributed via US Postal mail to a sample of airmen who recently sought medical certification from an AME. Airmen were offered the option to either complete the survey online via the Internet using a computer or mobile device, or to request a paper survey to complete and return via US Postal mail. Respondents were informed that completion of the survey, or any part of the survey, was voluntary.

This report provides an item-by-item comparison of the 2012 (n=4,256) and 2014 (n=3,703) survey results for airmen who met the criteria for inclusion (i.e., recently sought Class I, Class II, or Class III medical certification from an AME).

Additional results are in the report appendices. Appendix A contains a listing of the 2014 survey items. Appendix B documents the differences in item and response option wording for 2012 and 2014 comparable survey items. Note: the † at the end of an item signifies results are for slightly different but comparable items from the two surveys. Responses to the open-ended text items and additional feedback are provided in a separate document, which is available upon request.



Descriptive Statistics

Sample of Airmen (N). The number of airmen who had the opportunity to complete the survey.

Number of Respondents (n). The number of airmen who provided a valid response.

Mean (m). The arithmetic average, calculated as the sum of response values for an item divided by the number of respondents who answered that item.

<u>Standard Deviation</u> (sd). The measure of dispersion, or spread, of values around the mean. Smaller standard deviation values indicate higher levels of agreement among respondents.

<u>Frequency Count</u>. The number of times a response option is selected. The frequency count for 'mark all that apply' items may sum to greater than the number of respondents.

<u>Percent (%) of Respondents.</u> The percent is calculated by dividing the Frequency Count by the Number of Respondents and multiplying by 100.

Response Distribution (%). The proportion, or percentage, of respondents that selected a given response across all item response options.

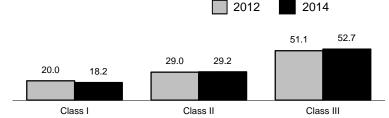
Responses to some items are required to skip items not relevant to the airmen's experiences. The labels on the 5-point interval scales start low (e.g., very dissatisfied, not at all, far below expectations) with a value of "1" and go high (e.g., very satisfied, great extent, far above expectations) with a value of "5"; the scale mid-point (e.g., neither, moderate extent, met expectations) has a value of "3". As a reminder, responses to the text-entry items are provided in a separate document, which is available upon request. Also, in the body of the report a † at the end of an item indicates a difference in wording, response scale, and/or sequence between the surveys. The differences are documented in Appendix B.

AME SERVICES

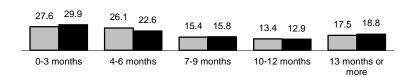
Based on your most recent application for airman medical certification:

Response Distribution (%)

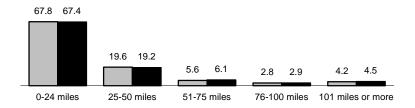
 Which airman medical certificate did you apply for? (required)



How many months ago did you submit your application?[†]



3. How many miles did you travel <u>one way</u> for the exam appointment with your aviation medical examiner (AME)?[†]

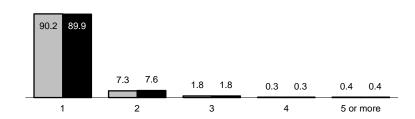


Results for *Item 3a* include only respondents who indicated '101 miles or more' on *Item 3* and provided a written response.

3a. Responses to '101 miles or more' traveled one way for exam appointment.

(Available upon request)

4. How many AMEs did you <u>contact</u> before making your exam appointment?[†]



5. What was the basis for selecting your AME?[†] [mark all that apply]

n/2012 4,236
2014 3,683

<u>Freque</u>	ncy Cou	nt*	% of Res	pondents**
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>
356	295	Referred by flight instructor or school	8.4	8.0
60	44	Referred by airline or AME employed by airline	1.4	1.2
873	707	Referred by pilot	20.6	19.2
329	253	Referred by doctor or previous AME	7.8	6.9
2,344	1,980	Performed my previous medical certification exam(s)	55.3	53.8
293	215	Is my primary care doctor	6.9	5.8
138	105	Makes quick certification decisions	3.3	2.9
424	394	Licensed to perform needed service (Class I exam, special issuance, etc.)	10.0	10.7
	193	Handles complex cases		5.2
1,285	973	Nearest location	30.3	26.4
299	306	Earliest available appointment	7.1	8.3
252	185	Low cost	6.0	5.0
285	204	Other reason(s) (enter below)	6.7	5.5

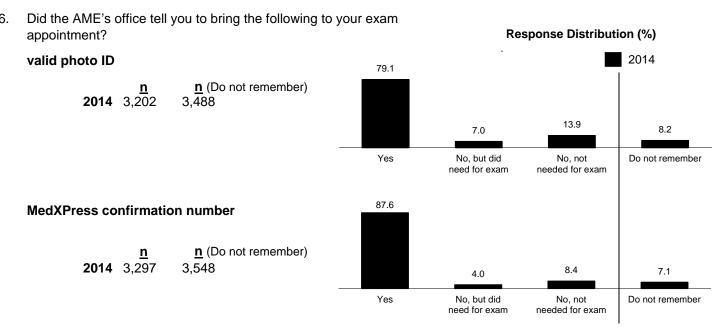
⁻⁻⁻ Signifies response option was not available in 2012.

Results for Item 5a include only respondents who indicated 'Other reason' on Item 5 and provided a written response.

5a. Responses to 'Other reason' for AME selected.

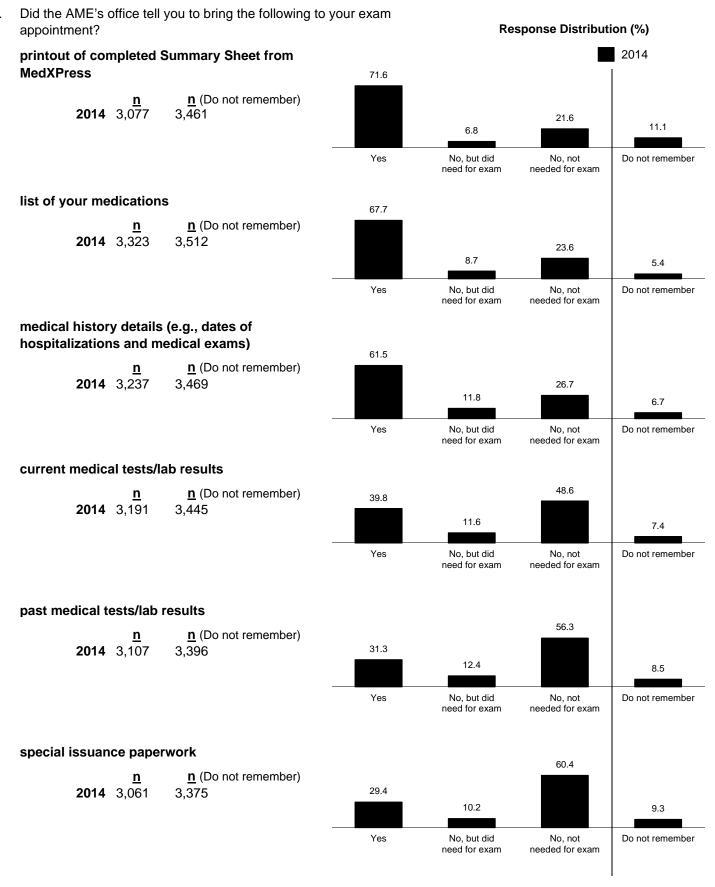
(Available upon request)

2014 199



^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.



11.6

Based on your most recent application for airman medical certification:

Response Distribution (%)

2014

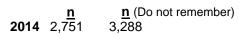
16.3

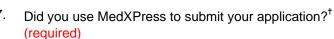
2012

78.0

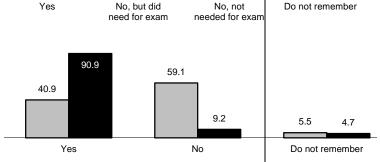
6. Did the AME's office tell you to bring the following to your exam appointment?

SODA (statement of demonstrated ability) paperwork





2014 3,485 3,657

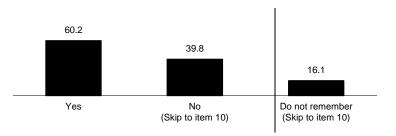


10.4

Results for Item 8 through Item 14 include only respondents who indicated 'Yes' on Item 7.

8. Did your AME's office ask you to provide your MedXPress Summary Sheet <u>before</u> your exam appointment? (required)

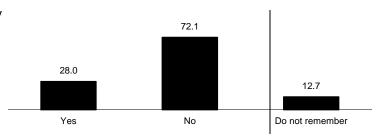
 $\underline{\underline{\mathbf{n}}} \qquad \underline{\underline{\mathbf{n}}} \text{ (Do not remember)}$ **2014** 2,632 3,137



Results for Item 9 include only respondents who indicated 'Yes' on Item 8.

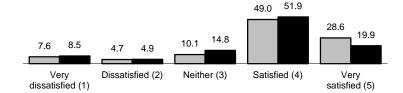
9. Based on their receipt of your MedXPress Summary Sheet, did your AME's office ask you to bring additional documentation to your exam appointment?

> <u>n</u> (Do not remember) **2014** 1,381 1,581



10. Overall how satisfied were you with the performance of MedXPress?

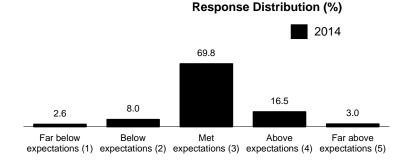
<u>n</u> <u>m</u> <u>sd</u> 2012 1,631 3.86 1.11 2014 3,151 3.70 1.10



Based on your most recent application for airman medical certification:

11. How did MedXPress perform compared to your expectations?

<u>n</u> <u>m</u> <u>sd</u> **2014** 3,143 3.09 0.68

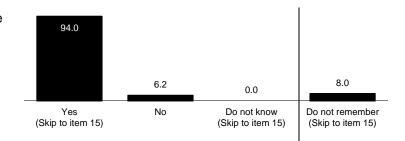


12. Overall how would you rate the performance of MedXPress?

<u>n</u> <u>m</u> <u>sd</u> **2014** 3,148 3.70 0.90



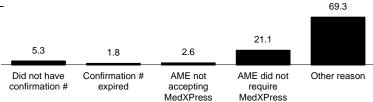
13. Did the AME access your MedXPress form online during the exam appointment? (required)



Results for Item 14 include only respondents who indicated 'No' on Item 13.

14. What was the <u>main reason</u> the AME <u>did not access</u> your MedXPress form online <u>during</u> the exam appointment?

<u>n</u> **2014** 114



Results for Item 14a include only respondents who indicated 'Other reason' on Item 14 and provided a written response.

14a. Responses to 'Other reason' for AME did not access MedXPress online form.

(Available upon request)

2014 76

15a. During your exam appointment, who reviewed your medical history with you? [mark all that apply]

n/2012 4,1982014 3,617

Freque	Frequency Count*		% of Res	% of Respondents**	
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>	
435	138	No one	10.4	3.8	
3,359	3,089	AME	80.0	85.4	
238	37	Another Physician (not the AME)	5.7	1.0	
246	210	Physician's Assistant	5.9	5.8	
350	358	Nurse	8.3	9.9	
96	81	Other office personnel	2.3	2.2	
	85	Do not remember		2.4	

⁻⁻⁻ Signifies response option was not available in 2012.

15b. <u>During your exam appointment</u>, who performed your physical exam? [mark all that apply]

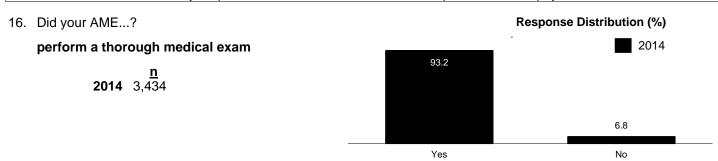
2012 4,204 2014 3,606

<u>Freque</u>	Frequency Count*		% of Res	% of Respondents**	
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>	
41	19	No one	1.0	0.5	
3,979	3,476	AME	94.7	96.4	
130	26	Another Physician (not the AME)	3.1	0.7	
256	159	Physician's Assistant	6.1	4.4	
469	295	Nurse	11.2	8.2	
65	53	Other office personnel	1.6	1.5	
	16	Do not remember		0.4	

⁻⁻⁻ Signifies response option was not available in 2012.

Based on your most recent application for airman medical certification:

Results for Item 16 include only respondents who indicated that an 'AME' performed their physical exam on Item 15b.



^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Based on your most recent application for airman medical certification:

16. Did your AME...?

examine your eyes and ears with a medical device

2012 4,169 2014 3,439

have you remove or undo articles of clothing for the exam[†]

<u>n</u> **2012** 4,157

2014 3,432

listen to your heart and lungs

n 2012 4,168

2014 3,439

17. To what extent did your AME ...?

provide a professional setting for the medical exam, including cleanliness and appearance[†]

2014 3,599 4.50 0.76

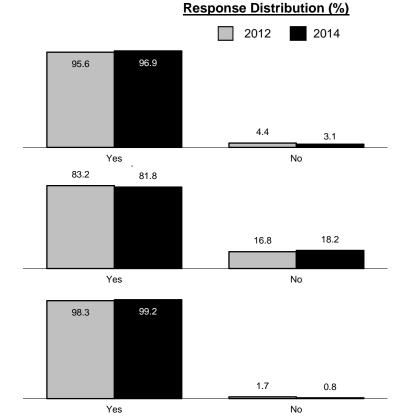
charge appropriately for services

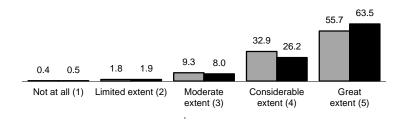
2014 3,513 4.16 0.95

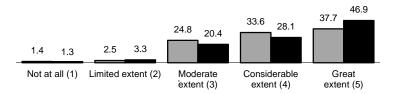
clearly explain your responsibilities in the medical certification process

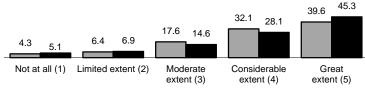
	<u>n</u>	<u>m</u>	<u>sd</u>
2012	$4,1\overline{4}5$	3.96	1.10
2014	3.414	4.02	1.16

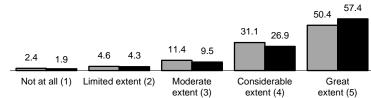
provide you with all the information you requested



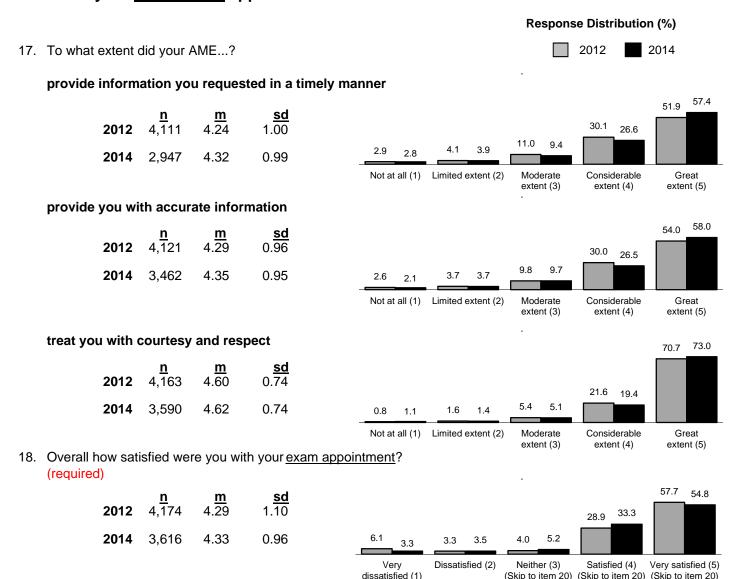








FAA Aerospace Medical Certification Services Airman Satisfaction Survey - Overall Results Based on your most recent application for airman medical certification:



Results for Item 19 include only respondents who indicated 'Very dissatisfied' or 'Dissatisfied' on Item 18.

19. Why were you dissatisfied with the exam appointment? [mark all that apply]

Frequency Count*		% of Respondents**
122	AME did not issue my certificate during the exam appointment	56.5
38	The exam was not thorough	17.6
19	Not examined in a professional environment	8.8
2	AME conducted the exam at a different location than listed in the FAA directory	0.9
8	I had to remove articles of clothing	3.7
37	Not treated with courtesy and respect	17.1
117	Other reason(s) (enter below)	54.2

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

(Skip to item 20) (Skip to item 20) (Skip to item 20)

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Results for Item 19a include only respondents who indicated 'Other reason' on Item 19 and provided a written response.

19a. Responses to 'Other reason' for dissatisfaction with the exam appointment.

(Available upon request)

2014 117

Based on your most recent application for airman medical certification:

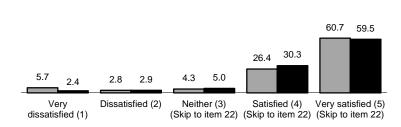
Response Distribution (%)

2014

2012

20. Overall how satisfied were you with the <u>quality of</u> <u>service</u> provided by your AME? (required)

2012	<u>n</u>	<u>m</u>	<u>sd</u>
	4,173	4.34	1.08
2014	3,584	4.42	0.90



Results for Item 21 include only respondents who indicated 'Very dissatisfied' or 'Dissatisfied' on Item 20.

21. Why were you dissatisfied with the quality of AME services? [mark all that apply]

Frequency Co	% of Respondents**	
89	AME did not issue my certificate during the exam appointment	52.4
36	AME lacked knowledge of current airman medical certification standards	21.2
37	Not informed of required documentation to bring to the exam	21.8
83	Not informed of additional documentation that the FAA would require to issue my certificate	48.8
54	Not informed of status of application	31.8
73	Other reason(s) (enter below)	42.9

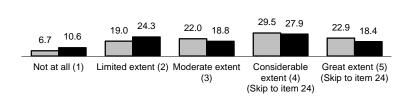
^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

Results for Item 21a include only respondents who indicated 'Other reason' on Item 21 and provided a written response.

21a. Responses to 'Other reason' for dissatisfaction with the quality of AME services.

(Available upon request)

22. Based on your most recent experience with your AME, to what extent does the FAA airman medical certification process ensure the safety of the National Airspace System? (required)



^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Based on your most recent application for airman medical certification:

Results for Item 23 include only respondents who indicated 'Not at all', 'Limited extent', or 'Moderate extent' on Item 22.

Response Distribution (%)

to be dishonest

2014

2012

23. What is the <u>main reason</u> for responding either 'Not at all', 'Limited extent', or 'Moderate extent' to item 22 asking to what extent the FAA airman medical certification process ensures safety of the National Air Space?

13.9 10.3 15.0 13.7

Exam not Exam not Deters pilots Encourages pilots Other reason

from applying

thorough

<u>n</u> **2014** 1,909

Results for Item 23a include only respondents who indicated 'Other reason' on Item 23 and provided a written response.

comprehensive

23a. Responses to 'Other reason' for responding either 'Not at all', 'Limited extent', or 'Moderate extent.

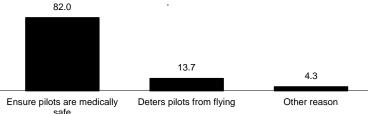
(Available upon request)

<u>n</u> **2014** 889

Results for Item 24 include only respondents who indicated 'Considerable extent' or 'Great extent' on Item 22.

24. What is the <u>main reason</u> for responding either 'Considerable extent' or 'Great extent' to item 22 asking to what extent the FAA airman medical certification process ensures safety of the National Air Space?

<u>n</u> **2014** 1,654



Results for Item 24a include only respondents who indicated 'Other reason' on Item 24 and provided a written response.

24a. Responses to 'Other reason' for responding either 'Considerable extent' or 'Great extent'.

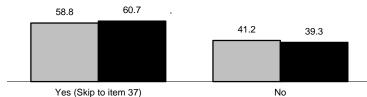
(Available upon request)

<u>n</u> 71

25. Was your medical certificate issued on the same day as your exam appointment? (required)

<u>n</u> **2012** 4,216

2014 3,606

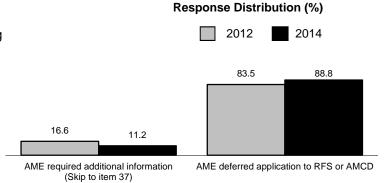


Based on your most recent application for airman medical certification:

Results for Item 26 through Item 36 include only respondents who indicated 'No' on Item 25.

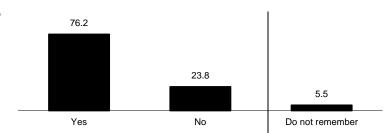
26. Which of the following best describes the processing of your application for a medical certification?[†] (required)

<u>n</u> **2012** 1,728 **2014** 1.414

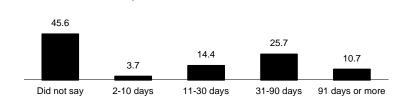


Results for *Item 27* through *Item 36* include only respondents who indicated 'The AME deferred my application to the RFS or to the AMCD in Oklahoma City for review' on *Item 26*.

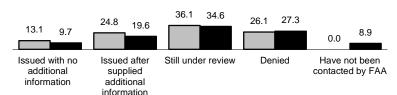
27. Did your AME explain to you the requirements for additional documentation to meet FAA standards?



28. How long did the <u>AME tell you</u> it would take to receive a decision regarding your medical certification?



29. Which of the following best describes what happened after the AME deferred your application to the RFS or the AMCD in Oklahoma City?[†] (required)



Based on your most recent application for airman medical certification:

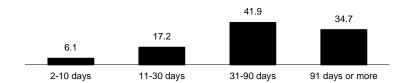
Results for *Item 30* include only respondents who indicated 'No additional information was requested from me before being issued my certificate' or 'I had to supply additional information, and then was issued my certificate' on *Item 29*.



30. How long did it <u>actually</u> take to receive a decision on your medical certification?



<u>n</u> **2014** 360



FAA AIRMAN MEDICAL CERTIFICATION SERVICES

Results for Item 31 through Item 36 exclude those respondents who indicated 'I have not been contacted by the FAA' on Item 29.

31. Did you have contact with a medical representative <u>concerning issuance of your medical certificate</u> at any of the following FAA offices? [mark all that apply]

Regional Medical Division/Regional Flight Surgeon (RFS) Office

<u>n</u> **2014** 513

Frequency Co	<u>ount*</u>	<u>% of Respondents**</u>
362	No contact	70.6
82	Phone	16.0
16	E-mail	3.1
83	Postal mail	16.2

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

Aerospace Medical Certification Division (AMCD) - Oklahoma City

<u>n</u> **2014** 722

Frequency Count*		% of Respondents
160	No contact	22.2
186	Phone	25.8
18	E-mail	2.5
442	Postal mail	61.2

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

31. Did you have contact with a medical representative <u>concerning issuance of your medical certificate</u> at any of the following FAA offices? [mark all that apply]

Office of Aerospace Medicine (OAM) - Washington, DC

Frequency Count*		% of Respondents**
374	No contact	89.3
22	Phone	5.3
0	E-mail	0.0
28	Postal mail	6.7

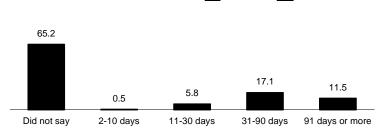
^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

Results for *Item 32* through *Item 36* includes only respondents who indicated that they had contact with at least one of the FAA offices on *Item 31*.

Based on your most recent application for airman medical certification:

32. What was the longest time that the <u>FAA medical</u> representative(s) told you it would take to receive a decision on your medical certificate?

<u>n</u> **2014** 626



Response Distribution (%)

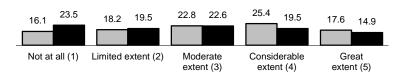
2014

2012

33. To what extent did the <u>FAA medical</u> representative(s) you had contact with...?

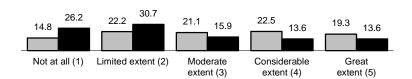
clearly explain your responsibilities in the medical certification process

n m sd 1.33 **2014** 558 2.83 1.38



provide you with all the information you requested

n m sd 1.34 2012 1,491 3.09 1.34 2014 485 2.58 1.36



^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

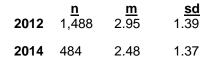
Based on your most recent application for airman medical certification:

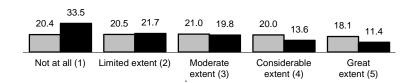
Response Distribution (%)

33. To what extent did the <u>FAA medical</u> representative(s) you had contact with...?

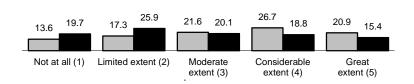


provide information you requested in a timely manner

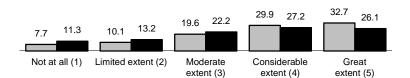




provide you with accurate information



treat you with courtesy and respect



34. Overall how satisfied were you with the <u>quality of services</u> provided by the <u>FAA medical representative(s)</u>? (required)

2012	<u>n</u>	<u>m</u>	<u>sd</u>
	1,546	3.07	1.41
2014	632	2.55	1.31



Results for Item 35 include only respondents who indicated 'Very dissatisfied' or 'Dissatisfied' Item 34.

35. Why were you dissatisfied with the <u>quality of services</u> provided by the <u>FAA medical representative(s)</u>? [mark all that apply]

<u>n</u> **2014** 323

Frequency Co	% of Respondents**	
118	Denied my medical certificate	36.5
42	Not treated with courtesy and respect	13.0
128	Not adequately informed of requirements for additional documentation	39.6
108	Failed to explain requirements for additional documentation	33.4
118	Not informed of status of application	36.5
183	Poor communication on where application was in the review process	56.7
180	Took too long to complete the review	55.7
141	Other reason(s) (enter below)	43.7

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Results for Item 35a include only respondents who indicated 'Other reason' on Item 35 and provided a written response.

35a. Responses to 'Other reason' for dissatisfaction with the <u>quality of services</u> provided by the <u>FAA medical representative(s)</u>. (Available upon request)

Based on your most recent application for airman medical certification:

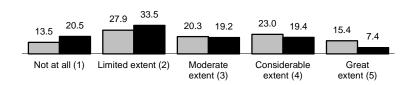
Response Distribution (%)

2014

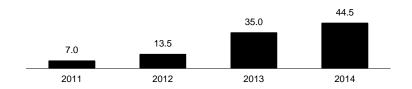
2012

36. Based on your <u>most recent</u> experience with the <u>FAA medical representative(s)</u>, to what extent does the FAA airman medical certification process <u>ensure the safety</u> of the National Airspace System?[†]

2012	<u>n</u>	<u>m</u>	<u>sd</u>
	1,546	2.99	1.29
2014	624	2.60	1.22



37. What year was your <u>most recent</u> airman medical certification?



DEMOGRAPHICS

38. Which pilot certificate(s) do you <u>currently</u> hold?[†] [mark all that apply]

<u>Frequer</u>	Frequency Count*			% of Respondents*		
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>		
16	27	Student	0.4	8.0		
	4	Sport		0.1		
9	6	Recreational	0.2	0.2		
1,636	1,411	Private	39.4	39.6		
1,880	1,647	Commercial	45.3	46.2		
1,348	1,159	Airline Transport	32.5	32.5		

⁻⁻⁻ Signifies response option was not available in 2012.

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

39. Which rating(s) do you <u>currently</u> hold?[†] [mark all that apply]

<u>n</u> **2012** 4,054 **2014** 3.552

Frequency Count*			% of Res	% of Respondents**		
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>		
970	673	Do not hold any rating	23.9	19.0		
1,945	2,552	Instrument Flight Rules (IFR)	48.0	71.9		
1,144	1,007	Certified Flight Instructor (CFI)	28.2	28.4		
	783	Other		22.0		

⁻⁻⁻ Signifies response option was not available in 2012.

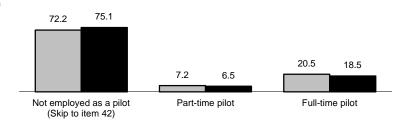
Based on your most recent application for airman medical certification:



2012 2014

40. Are you <u>currently</u> employed as a pilot?[†] (Required)

2014 3,593



Results for Item 41 include only respondents who indicated 'Full-time pilot' or 'Part-time pilot' Item 40.

41. Is your employment as a pilot with a certificated operator conducting flights under the following?[†]
[mark all that apply]

2014 884

Frequency Count*				% of Respondents**		
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>		
87	50	Part 61 (Sport pilot)	7.8	5.7		
437	353	Part 91 (Corporate)	39.4	39.9		
368	248	Part 121 (Flag, domestic, supplemental operations)	33.2	28.1		
14	5	Part 125 (Aircraft with 20 or more seats and cargo payload of 6,000	1.3	0.6		
		pounds or more when common carriage is not involved)				
3	0	Part 129 (Foreign air carrier & foreign operator of US-registered aircraft	0.3	0.0		
		used in common carriage)				
31	20	Part 133 (Rotorcraft external loads)	2.8	2.3		
201	168	Part 135 (Commuter/On-demand operations)	18.1	19.0		
44	31	Part 137 (Agricultural operations)	4.0	3.5		
87	58	Part 141 (Pilot schools)	7.8	6.6		
29	28	Part 142 (Training centers)	2.6	3.2		
132	126	Other Part or Operation (enter below)	11.9	14.3		

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Results for *Item 41a* include only respondents who indicated 'Other part or operation' on *Item 41* and provided a written response.

41a. Write-in responses for 'Other Part or Operation' regarding certificated operator.

(Available upon request)

42. Which region handled your most recent application for airman medical certification? (Required)

Frequency Count*			% of Res	pondents**
<u>2012</u>	<u>2014</u>		<u>2012</u>	<u>2014</u>
53	44	Alaskan Region (AAL)	1.3	1.2
217	199	Central Region (ACE)	5.2	5.5
536	421	Eastern Region (AEA)	12.9	11.7
684	578	Great Lakes Region (AGL)	16.4	16.1
141	121	New England Region (ANE)	3.4	3.4
504	438	Northwest Mountain Region (ANM)	12.1	12.2
820	710	Southern Region (ASO)	19.7	19.8
575	529	Southwest Region (ASW)	13.8	14.7
642	550	Western-Pacific Region (AWP)	15.4	15.3

COMMENTS

Item 43 provided airmen the opportunity to comment or offer helpful suggestions for improving Aerospace Medical Certification Services (AMCS). Airmen were informed that identifying information such as names would be removed and that comments were subject to the Freedom of Information Act (FOIA). Airmen were asked to categorize their input as compliment, complaint, recommendation, or general comment.

43. Any additional feedback for the FAA, beyond what you have already provided, regarding airman medical certification services? [mark all that apply] (Available upon request)

Frequency Count*		% of Respondents**
702	Recommendation for improvement	19.7
214	Compliment	6.0
417	Complaint	11.7
613	General Comment	17.2
1,854	Nothing more to add	52.1

^{*}Frequency Count can sum to greater than the Number of Respondents (n) due to multiple responses [mark all that apply].

^{**}Percent of Respondents is calculated by dividing the Frequency Count for each response option by the Number of Respondents to the item (n) and multiplying by 100.

Appendix A: Airman Medical Certification Services 2014 Feedback Survey

You will be evaluating the quality of airman medical certification services provided by:

- your Aviation Medical Examiner (AME),
- your Regional Flight Surgeon (RFS) Office, and
- the Aerospace Medical Certification Division (AMCD) in Oklahoma City.

You will also evaluate your use of MedXPress (OMB control No. 2120-3400).

Your thoroughness and honesty in completing the survey are appreciated. Your feedback will help us improve medical certification services offered to all airman applicants. Participation is voluntary and anonymous. Your responses will be kept private to the extent provided by law.

<u>Instructions</u>: Read each item carefully then mark the response that best describes your <u>most recent</u> application for an airman medical certificate. <u>Note</u>: Some items require a response in order to skip items not relevant to you.

	application for all modernous application for all main modern or all modernous and a
1.	Which airman medical certificate did you apply for? (required) Class I Class II My medical certificate expired and I have not applied for another (Stop here and return the survey. Thank You!) I have never applied for an airman medical certificate (Stop here and return the survey. Thank You!)
2.	How many months ago did you submit your application? O -3 months 4-6 months 7-9 months 10-12 months 13 months or more
	How many miles did you travel one way for the exam appointment with your aviation medical examiner (AME)? O-24 miles 25-50 miles 51-75 miles 76-100 miles 101 miles or more (explain below) eason(s) for traveling 101 miles or more for your appointment:
4.	How many AMEs did you contact before making your exam appointment? 1 2 3 4 5 or more

5.	 What was the basis for selecting your AME? [mark all that apply] Referred by flight instructor or school Referred by airline or AME employed by airline Referred by pilot Referred by doctor or previous AME Performed my previous medical certification exam(s) Is my primary care doctor Makes quick certification decisions Licensed to perform needed service (Class I exam, special issuance, etc.) Handles complex cases Nearest location Earliest available appointment Low cost Other reason(s) (write in below) Other reason(s) for selecting your AME:					
6.	Did the AME's office tell you to bring the following to you	ır oyam (annointment?			
Ο.	bld the AME's office tell you to bring the following to you	Yes	No, but did need for exam	No, not needed for exam	Do not remember	
	valid photo ID	0	0	0	0	
	MedXPress confirmation number	0	0	0	0	
	printout of completed Summary Sheet from MedXPress	0	0	0	0	
	list of your medications	0	0	0	0	
	medical history details (e.g., dates of hospitalizations and medical exams)	0	0	0	0	
	current medical tests/lab results	0	0	0	0	
	past medical tests/lab results	0	0	0	0	
	special issuance paperwork	0	0	0	0	
	SODA (statement of demonstrated ability) paperwork	0	0	0	0	
	Did you use MedXPress to submit your application? (req ○ Yes ○ No (skip to item 15, on the next page) ○ Do not remember (skip to item 15, on the next page)	ŕ				
8.	Did your AME's office ask you to provide your MedXPres (required) Yes No (skip to item 10) Do not remember (skip to item 10)	s Summ	ary Sheet <u>befo</u>	<u>re</u> your exam a	appointment?	
9.	Based on their receipt of your MedXPress Summary Sheet documentation to your exam appointment? O Yes O No O Do not remember	et, did yo	our AME's offic	e ask you to b	ring additiona	ı

10.	Overall how satisfied were you volume Very dissatisfied Dissatisfied Neither Satisfied Very satisfied	vith the pe	erforma	nce of Med)	(Press?			
11.	How did MedXPress perform col Far below expectations Below expectations Met expectations Above expectations Far above expectations	mpared to	your e	xpectations	?			
14.	Overall how would you rate the post of the poor of the AME access your MedXF. Or yes (skip to item 15) or not know (skip to item 15) or not remember (skip to item 15) or not re	Press form 15) ME did no number pired edXPress Press	n online	during the	XPress forn	n online <u>dı</u>	uring the ex	am
15.	During your exam appointment,	who? [/	mark all	that apply] Another physician (not the AME	Physician's		Other office personnel	Do not remember
	reviewed your medical history with you							
ı	performed your physical exam							
	te: Answer item 16 only if you ind	licated tha	at an 'Al	ME' perform	ed your phy	ysical exa	m on item 1	5.
16.	Did your AME?				es No	_		
	perform a thorough medical exam.) 0			
	examine your eyes and ears with a				0			
	have you remove or undo articles of	of clothing	for the e	exam. (0			
	listen to your heart and lungs			(

17. To what extent did your AME?	Not at all	Limited extent	Moderate extent	Considerable extent	Great extent	N/A
provide a professional setting for the medical exam, including cleanliness and appearance	0	0	0	0	0	0
charge appropriately for services	0	0	0	0	0	0
clearly explain your responsibilities in the medical certification process	0	0	0	0	0	0
provide you with all the information you requested	0	0	0	0	0	0
provide information you requested in a timely manner	0	0	0	0	0	0
provide you with accurate information	0	0	0	0	0	0
treat you with courtesy and respect	0	0	0	0	0	0
 Neither (skip to item 20) Satisfied (skip to item 20) Very satisfied (skip to item 20) 19. Why were you dissatisfied with the exam appoint AME did not issue my certificate during the exam The exam was not thorough Not examined in a professional environment AME conducted the exam at a different location to the indication of the indication	appointi	ment				
Other reason(s) you were dissatisfied with the exam apport	<u>ointment</u> :					
 20. Overall how satisfied were you with the quality of Very dissatisfied Dissatisfied Neither (skip to item 22) Satisfied (skip to item 22) Very satisfied (skip to item 22) 21. Why were you dissatisfied with the quality of AME AME did not issue my certificate during the exame AME lacked knowledge of current airman medical Not informed of required documentation to bring to the properties of the	E service appoint al certifica to the ex	e <u>s</u> ? [<i>mar</i> nent ition stan	k all that dards	apply]		
☐ Other reason(s) (write in below) Other reason(s) you were dissatisfied with the quality of A	AME serv	ices:				
·						

	Based on your most recent experience with your AME, to what extent does the FAA airman medical certification process ensure the safety of the National Airspace System? (required) Not at all Limited extent Moderate extent Considerable extent (skip to item 24, on the next page) Great extent (skip to item 24, on the next page) Ete: Skip to item 24 if you answered 'Considerable extent' or 'Great extent' to item 22.
23.	What is the main reason for responding either 'Not at all', 'Limited extent', or 'Moderate extent' to item 22 asking to what extent the FAA airman medical certification process ensures safety of the National Air Space? Exam is not comprehensive enough to adequately screen pilots Not all AMEs perform thorough exams Deters pilots from applying for medical certification Encourages pilots to be dishonest on application for medical certification Other reason (write in below)
Ма	in reason for response:
	What is the main reason for responding either 'Considerable extent' or 'Great extent' to item 22 asking to what extent the FAA airman medical certification process ensures safety of the National Air Space? © Ensures pilots are medically safe to fly © Deters pilots from flying, if not medically qualified © Other reason (write in below) in reason for response:
25.	Was your medical certificate issued on the same day as your exam appointment? (required) O Yes (skip to item 37, on page 7) O No
26.	Which of the following best describes the processing of your application for a medical certification? (required) ○ The AME required additional information before issuing my certificate (skip to item 37, on page 7) ○ The AME deferred my application for review to the Regional Flight Surgeon (RFS) or to the Aerospace Medical Certification Division (AMCD) in Oklahoma City
27.	Did your AME explain to you the requirements for additional documentation to meet FAA standards? O Yes O No O Do not remember
28.	How long did the AME tell you it would take to receive a decision regarding your medical certification? O Did not say 2-10 days 11-30 days 31-90 days

O 91 days or more

29.	Which of the following best describes what happened after the AME deferred your application to the RFS or the AMCD in Oklahoma City? (required)					RFS or	
	 No additional information was requested from me before being issued my certificate 						
	 I had to supply additional information, and then was issued my certificate 						
	 I have been contacted by the FAA and my application is still under review (skip to item 31, on the next page) 						ıe)
	I was denied a medical certificate (skip to item 31,			(,-,
	I have not been contacted by the FAA (skip to iter)						
	•						
30.	How long did it <u>actually</u> take to receive a decision	on your	medical c	ertification	?		
	O 2-10 days						
	O 11-30 days						
	O 31-90 days						
	O 91 days or more						
31.	Did you have contact with a medical representative	e <u>conce</u>	rning issu	ance of you	ır medical ce	rtificate at	any of
	the following FAA offices? [mark all that apply]						
			No cont	act Phor	ne E-mai	l Posta	al mail
	Regional Medical Division/Regional Flight Surgeon Off	fice	🗆			[
	Aerospace Medical Certification Division - Oklahoma	City	🗆			[
	Office of Aerospace Medicine – Washington, DC						
Not	te: Skip to item 37 if you answered 'No contact' for	all throo	EAA offic	os in itom 1	24		
						•	• . •
32.	What was the longest time that the <u>FAA medical re</u> on your medical certificate?	present	ative(s) to	ia you it wo	ould take to re	eceive a d	ecision
	Did not say						
	2-10 days						
	11-30 days						
	31-90 days						
	91 days or more						
	·						
33.	To what extent did the <u>FAA medical representative</u>				On and demands	0	
		Not at all	Limited extent	Moderate extent	Considerable extent	Great extent	N/A
	clearly explain your responsibilities in the medical			\circ	0		
	certification process	0	0	0	0	0	0
	provide you with all the information you requested $\ldots \ldots$	0	0	0	0	0	0
	provide information you requested in a timely	0	\circ	0	0	0	0
	manner						
	provide you with accurate information	0	0	0	0	0	0
	treat you with courtesy and respect	0	0	0	0	0	0
34.	4. Overall how satisfied were you with the <u>quality of services</u> provided by the <u>FAA medical representative(s)</u> ?						
	(required)		•				
	O Very dissatisfied						
	O Dissatisfied						
	O Neither (skip to item 36, on the next page)						
O Satisfied (skip to item 36, on the next page)							
	O Very satisfied (skip to item 36, on the next page)						

	Why were you dissatisfied with the <u>quality of services</u> provided by the <u>FAA medical representative(s)</u> ? [mark all that apply] Denied my medical certificate Not treated with courtesy and respect Not adequately informed of requirements for additional documentation Failed to explain requirements for additional documentation Not informed of status of application Poor communication on where application was in the review process Took too long to complete the review Other reason(s) (write in below) mer reason(s) dissatisfied with <u>quality of services</u> provided by the <u>FAA medical representative(s)</u> :
36.	Based on your most recent experience with the FAA medical representative(s), to what extent does the FAA airman medical certification process ensure the safety of the National Airspace System? Not at all Limited extent Moderate extent Considerable extent Great extent
37.	What year was your most recent airman medical certification? 2011 2012 2013 2014
38.	Which pilot certificate(s) do you currently hold? [mark all that apply] Student Sport Recreational Private Commercial Airline Transport
39.	Which rating(s) do you currently hold? [mark all that apply] □ Do not hold any rating □ Instrument Flight Rules (IFR) □ Certified Flight Instructor (CFI) □ Other
40.	Are you currently employed as a pilot? (required) O Not employed as a pilot (skip to item 42, on the next page) O Part-time pilot O Full-time pilot

41.	ls y	our employment as a pilot with a certificated operator conducting flights under the following?
	[<i>m</i> a	nrk all that apply]
		Part 61 (Sport pilot)
		Part 91 (Corporate)
		Part 121 (Flag, domestic, supplemental operations)
		Part 125 (Aircraft with 20 or more seats and cargo payload of 6,000 pounds or more when common carriage is not involved)
		Part 129 (Foreign air carrier & foreign operator of US-registered aircraft used in common carriage)
		Part 133 (Rotorcraft external loads)
		Part 135 (Commuter/On-demand operations)
		Part 137 (Agricultural operations)
		Part 141 (Pilot schools)
		Part 142 (Training centers)
		Other Part or Operation (write in below)
Oth	er F	art or Operation employing you as a pilot:
42.		ich region handled your most recent application for airman medical certification? (required) Alaskan (Alaska)
	0	Central (Iowa, Kansas, Missouri, Nebraska)
	0	Eastern (Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, West Virginia)
	0	Great Lakes (Illinois, Indiana, Michigan, Minnesota, North, Dakota, Ohio, South Dakota, Wisconsin)
	0	New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont)
	0	Northwest Mountain (Colorado, Idaho, Montana, Oregon, Utah, Washington, Wyoming)
	0	Southern (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)
	0	Southwest (Arkansas, Louisiana, New Mexico, Oklahoma, Texas)
	0	Western-Pacific (Arizona, California, Hawaii, Nevada)
43.		y additional feedback for the FAA, beyond what you have already provided, regarding airman medical tification services? [mark all that apply] Recommendation for improvement Compliment Complaint General Comment Nothing more to add
nar	nes	e following boxes to provide additional feedback as marked above. [Note: Identifying information such as will be deleted from your comments. However, if the nature of your comment is specific to you, your entiality cannot be assured. Comments are subject to the Freedom of Information Act.]
Re	com	mendation for improvement(s):
Coı	nplii	ment(s):

Complaint(s):		
General Comment(s):		

Appendix B: 2012 and 2014 Comparable Survey Items Differences in the Wording and Response Options

Item	Item Wording	Response Option Wording
2	How many months ago did you submit your application?	(1) 0-3 months(2) 4-6 months(3) 7-9 months(4) 10-12 months(5) 13 months or more
2	How many months ago did you apply?	(1) 0-3 months (2) 4-6 months (3) 7-9 months (4) 10-12 months (5) 13 months or more
3	How many miles did you travel one way for the exam appointment with your aviation medical examiner (AME)?	(1) 0-24 miles(2) 25-50 miles(3) 51-75 miles(4) 76-100 miles(5) 101 miles or more (explain below)
3	How many miles did you travel one way for your exam appointment?	(1) 0-24 miles (2) 25-50 miles (3) 51-75 miles (4) 76-100 miles (5) 101 miles or more (explain below)
4	How many AMEs did you contact before making your exam appointment?	(1) 1 (2) 2 (3) 3 (4) 4 (5) 5 or more
4	How many AMEs did you contact before scheduling your exam appointment?	(1) 1 (2) 2 (3) 3 (4) 4 (5) 5 or more
	2 3 3	How many months ago did you submit your application? How many months ago did you apply? How many miles did you travel one way for the exam appointment with your aviation medical examiner (AME)? How many miles did you travel one way for your exam appointment? How many AMEs did you contact before making your exam appointment?

Year	Item	Item Wording	Response Option Wording
2014 2012	5 5	What was the basis for selecting your AME? [mark all that apply] Why did you select the AME for your most recent application for airman medical certification? (Mark all that apply)	(1) Referred by flight instructor or school (2) Referred by airline or AME employed by airline (3) Referred by pilot (4) Referred by doctor or previous AME (5) Performed my previous medical certification exam(s) (6) Is my primary care doctor (7) Makes quick certification decisions (8) Licensed to perform needed service (Class I exam, special issuance, etc.) (9) Handles complex cases (10) Nearest location (11) Earliest available appointment (12) Low cost (13) Other reason(s) (enter below) (1) Referred by flight instructor or school (2) Referred by airline or AME employed by airline (3) Referred by doctor or previous AME (5) Performed my previous medical certification exam(s) (6) AME is my primary care doctor (7) AME makes quick certification decisions (8) AME licensed to perform needed service (Class I exam, special issuance, etc.)
			(9) Nearest location(10) First available appointment(11) Low cost(12) Other reason (enter below)
2014	7	Did you use MedXPress to submit your application? (required) (OMB Control No. 2120-0034)	(1) Yes (2) No (3) Do not remember
2012	7	Did you submit your medical history online through MedXPress? (Required) (OMB Control No. 2120-0034)	(1) Yes (2) No (3) Do not remember

Year	Item	Item Wording	Response Option Wording
2014	15a	During your exam appointment, who? [mark all that apply] (1) reviewed your medical history with you	(1) No one (2) AME (3) Another physician (not the AME) (4) Physician's Assistant (5) Nurse (6) Other office personnel (7) Do not remember
2012	12	Who reviewed your medical history with you? (Mark all that apply)	(1) No one reviewed my medical history with me (2) AME (3) Another physician (not the AME) (4) Physician's Assistant (5) Nurse (6) Other office personnel
2014	15b	During your exam appointment, who? [mark all that apply] (2) performed your physical exam	(1) No one (2) AME (3) Another physician (not the AME) (4) Physician's Assistant (5) Nurse (6) Other office personnel (7) Do not remember
2012	13	Who performed your physical exam? (Mark all that apply)	(1) No one performed a physical exam (2) AME (3) Another physician (not the AME) (4) Physician's Assistant (5) Nurse (6) Other office personnel
2014	16.3	Did your AME? (3) have you remove or undo articles of clothing for the exam ?	(1) Yes (2) No
2012	28	Did your AME? (28) have you remove or undo articles of clothing for the examination ?	(1) Yes (2) No
2014	17.1	To what extent did your AME (1) provide a professional setting for the medical exam, including cleanliness and appearance?	(1) Not at all (2) Limited extent (3) Moderate extent (4) Considerable extent (5) Great extent

Year	Item	Item Wording	Response Option Wording
2012	20	To what extent did your AME provide a professional setting for the medical examination , including cleanliness and appearance?	(1) Not at all(2) Limited extent(3) Moderate extent(4) Considerable extent(5) Great extent
2014	26	Which of the following best describes the processing of your application for a medical certification? (required)	 (1) The AME required additional information before issuing my certificate (2) The AME deferred my application for review to the Regional Flight Surgeon (RFS) or to the Aerospace Medical Certification Division (AMCD) in Oklahoma City
2012	17	Which of the following best describes the processing of your application for a medical certificate? (Required)	 (1) The AME required additional information before issuing my certificate (e.g., a report from another physician) (2) The AME referred my application to the Regional Flight Surgeon (RFS) or to the Aerospace Medical Certification Division (AMCD) in Oklahoma City for review
2014	29	Which of the following best describes what happened after the AME deferred your application to the RFS or the AMCD in Oklahoma City?	 (1) No additional information was requested from me before being issued my certificate (2) I had to supply additional information, and then was issued my certificate (3) I have been contacted by the FAA and my application is still under review (4) I was denied a medical certificate (5) I have not been contacted by the FAA
2012	18	Which of the following best describes what happened once your application was referred to the RFS or the AMCD in Oklahoma City?	 (1) No additional information was requested from me before my certificate was issued (2) I had to supply additional information, and then my certificate was issued (3) My application is still under review (4) My application/certificate was denied

Year	Item	Item Wording	Response Option Wording
2014	36	Based on your most recent experience with the FAA medical representative(s), to what extent does the FAA airman medical certification process ensure the safety of the National Airspace System?	(1) Not at all(2) Limited extent(3) Moderate extent(4) Considerable extent(5) Great extent
2012	43	Based on your most recent experience with the FAA medical representative(s), to what extent does the FAA medical certification process ensure the safety of the National Airspace System?	(1) Not at all(2) Limited extent(3) Moderate extent(4) Considerable extent(5) Great extent
2014	38	Which pilot certificate(s) do you currently hold?	(1) Student
2014	30	[mark all that apply]	(1) Student(2) Sport(3) Recreational(4) Private(5) Commercial(6) Airline Transport
2012	44	What pilot certificates do you currently hold? (Mark all that apply)	 (1) Student pilot (2) Recreational pilot (3) Private pilot (4) Commercial pilot (5) Airline Transport pilot
2014	39	Which rating(s) do you currently hold? [mark all that apply]	(1) Do not hold any rating(2) Instrumental Flight Rules (IFR)(3) Certified Flight Instructor (CFI)(4) Other
2012	45	What ratings do you currently hold? (Mark all that apply)	(1) Do not hold any ratings(2) Instrumental Flight Rules (IFR)(3) Certified Flight Instructor (CFI)
2014	40	Are you currently employed as a pilot? (required)	(1) Not employed as a pilot(2) Part-time pilot(3) Full-time pilot
2012	46	How are you currently employed? (Required)	(1) Full-time pilot(2) Part-time pilot(3) Not employed as a pilot

Year Item	Item Wording	Response Option Wording
2014 41	Is your employment as a pilot with a certificated operator conducting flights under the following? [mark all that apply]	 (1) Part 61 (Sport pilot) (2) Part 91 (Corporate) (3) Part 121 (Flag, domestic, supplemental operations) (4) Part 125 (Aircraft with 20 or more seats and cargo payload of 6,000 pounds or more when common carriage is not involved) (5) Part 129 (Foreign air carrier & foreign operator of US-registered aircraft used in common carriage) (6) Part 133 (Rotorcraft external loads) (7) Part 135 (Commuter/On-demand operations) (8) Part 137 (Agricultural operations) (9) Part 141 (Pilot schools) (10) Part 142 (Training centers) (11) Other Part or Operation (enter below)
2012 47	Are you employed as a pilot for a certificated operator conducting flights under? (Mark all that apply)	 (1) Part 61 (Sport pilot) (2) Part 91 (Corporate) (3) Part 121 (Flag, domestic, supplemental operations) (4) Part 125 (Aircraft with 20 or more seats and cargo payload of 6,000 pounds or more when common carriage is not involved) (5) Part 129 (Foreign air carrier & foreign operator of US-registered aircraft used in common carriage) (6) Part 133 (Rotorcraft external loads) (7) Part 135 (Commuter/On-demand operations) (8) Part 137 (Agricultural operations) (9) Part 141 (Pilot schools) (10) Part 142 (Training centers) (11) Other Part or Operation (enter below)
		(11) Other Part or Operation (e

Year	Item	Item Wording	Response Option Wording
2014	42	Which region handled your most recent application for airman medical certification? (required)	(1) Alaskan (Alaska) (2) Central (Iowa, Kansas, Missouri, Nebraska)
			(3) Eastern (Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, West Virginia)
			(4) Great Lakes (Illinois, Indiana, Michigan, Minnesota, North, Dakota, Ohio, South Dakota, Wisconsin)
			(5) New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont)
			(6) Northwest Mountain (Colorado, Idaho, Montana, Oregon, Utah, Washington, Wyoming)
			(7) Southern (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)
			(8) Southwest (Arkansas, Louisiana, New Mexico, Oklahoma, Texas)
			(9) Western-Pacific (Arizona, California, Hawaii, Nevada)
2012	48	Which region handles your applications for airman medical certification? (Required)	(1) Alaskan (Alaska) (2) Central (Iowa, Kansas, Missouri, Nebraska)
			(3) Eastern (Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, West Virginia)
			(4) Great Lakes (Illinois, Indiana, Michigan, Minnesota, North, Dakota, Ohio, South Dakota, Wisconsin)
			(5) New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont)
			(6) Northwest Mountain (Colorado, Idaho, Montana, Oregon, Utah, Washington, Wyoming)
			(7) Southern (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)
			(8) Southwest (Arkansas, Louisiana, New Mexico, Oklahoma, Texas)
			(9) Western-Pacific (Arizona, California, Hawaii, Nevada)