

HAWK-I

Impact on access and
health status

DRAFT

February 2001
First Evaluation Report

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**First Evaluation Report to:
The HAWK-I Clinical Advisory Committee**

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Introduction

This report presents the first results of an ongoing evaluation of the impact of the Healthy and Well Kids in Iowa (HAWK-I) program on the access to and health status of enrolled children. For this evaluation, parents' responses to a survey they were given at the time they joined the program (the baseline survey) are being compared with their responses to a survey given after their child was enrolled for about a year (the follow-up survey) to determine if there were differences in the perceived ability to receive health care services or their child's health status. Also included in the follow-up survey and presented in this report are questions specific to HAWK-I such as ratings of the private health plans that contract with HAWK-I and the impact of having health insurance.

Iowa House File (HF 2517), the bill that created the HAWK-I program, also mandated that this survey be conducted to evaluate the impact of the HAWK-I program. This bill also established a HAWK-I Clinical Advisory Committee to make recommendations to the HAWK-I Board of Directors regarding the clinical aspects of the HAWK-I program. This report was approved by the HAWK-I Clinical Advisory Committee and the Board of Directors of the HAWK-I program prior to its public release.

The HAWK-I Program

The HAWK-I program is part of Iowa's State Child Health Insurance Program (also known as SCHIP or Title XXI), which is designed to provide health insurance coverage for uninsured children in Iowa up to 200 percent of the poverty level. The Iowa legislature divided the SCHIP program into two components (See Figure 1). The first is a Medicaid expansion for children with family incomes up to 133 percent of the federal poverty level (FPL). The second component is the HAWK-I program for children with family incomes from 134 to 200 percent of the FPL (the upper eligibility limit was raised from 185% to 200% of the FPL on July 1, 2000). In this program, the State of Iowa contracts with private health plans to provide covered services to children enrolled in the program. In the HAWK-I program, families with incomes from 134 to 150 percent of the FPL have no premiums or copayments, while those from 151 to 200 percent of the FPL pay a premium of \$10 per child per month up to a maximum of \$20 per family per month. For those above 150 percent of the FPL, there is also a \$25 fee for non-emergent care provided in an emergency room (non-emergent is defined following the prudent layperson standard).

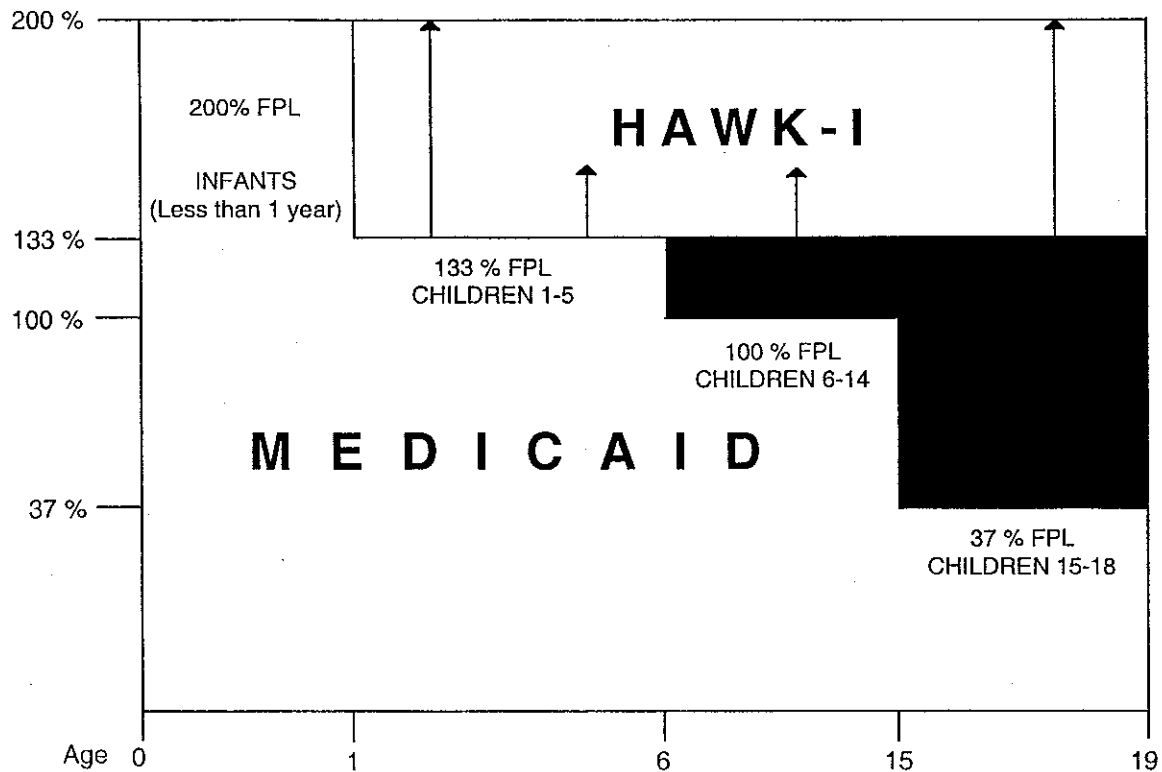


Figure 1. Iowa's State Child Health Insurance Program

The HAWK-I Evaluation

A longitudinal pretest-posttest panel study design is being used to evaluate the effect that having HAWK-I health insurance has on access to care and health status of enrollees. Surveys were conducted with each household upon entry into the HAWK-I health insurance program and again at the one-year enrollment anniversary. A mixed-mode data collection process was used, starting with a mailed survey and continuing with a telephone data collection process for nonrespondents.

Questionnaires for the baseline and follow-up surveys were nearly identical. The 60 item baseline survey instrument, asking about the 12 months prior to joining HAWK-I, included questions about health status, presence of chronic conditions, physical and behavioral/emotional limitations and access to health care including medical care, dental care, mental health care, prescription medicine, and vision care. The follow-up questionnaire asked the same questions except for the year while they were in HAWK-I. Additional questions were asked that directly related to the HAWK-I program as well as access to chiropractic and substance abuse care. Demographic sections were included in both questionnaires.

Both survey instruments were developed by researchers at the University of Iowa Public Policy Center at the request of and in consultation with the HAWK-I Clinical Advisory Committee (See

Appendix A). The questions were developed after review of existing documents such as the National Health Interview Survey (NHIS), the Consumer Assessment of Health Plan Study (CAHPS), the SCHIP Program Evaluation Guidelines established by the American Academy of Pediatrics, and enrollee surveys used to evaluate the Iowa Medicaid program. Questions were also added about children with special health care needs that were developed by the Children with Special Health Care Needs Subcommittee of the HAWK-I program.

Survey process

A modified Dillman method was used for both the baseline and 1-year follow-up mailed questionnaires: 1) a prenotification postcard was sent, addressed to the parent or guardian of one randomly chosen child per household; 2) about one week later, a cover letter was sent along with a questionnaire and business reply envelope; 3) One week after the letter and questionnaire, a reminder postcard was sent to each household; 4) Three weeks after the postcard, a 2nd letter, questionnaire and business reply envelope were sent to nonrespondents.

Telephone surveys were conducted with families that did not respond to the mailed survey. Calls were made until: a) a telephone questionnaire was completed; b) a refusal was obtained; or c) 10 failed contact attempts were made.

ESI, the third party administrator (TPA) for the first year of the HAWK-I program, was the survey vendor used for the first year of the program (March 1998 until May 1999). MAXIMUS, the TPA for the second year, conducted the surveys during this time period.

Sample selection

Each household with a child enrolled in the HAWK-I program was chosen for the survey. To reduce respondent burden for families with more than one enrolled child, the survey vendor randomly selected one child per household. The parent or guardian of this child was asked to fill out the survey as it related the child's health and health care.

Response rates

Table 1 shows the results for the baseline and follow-up surveys. Eighty percent of families responded to the mail and telephone versions of the baseline survey while 71 percent responded to the follow-up. The lower response rate to the follow-up survey could be due to a number of factors including: a) families no longer enrolled in the program might have less interest completing a survey about HAWK-I, b) respondents could feel burdened by having to complete a second survey after completing a similar survey a year prior, c) the follow-up survey is slightly longer (16 questions longer) which might deter some from responding.

Table 1. Response rates for HAWK-I baseline and 1-year follow up surveys

Survey	Number surveyed	Total surveys completed		Refused/unable to contact	
		N	%	N	%
Baseline	2204	1759	80%	445	20%
Follow-up	957	675	71%	282	29%

Note: Survey results for all respondents for the first 11 months of data collection for the baseline survey are available in the report "Baseline Survey Results for Children in the Healthy and Well Kids in Iowa program: Second Baseline Report. University of Iowa, Public Policy Center, January 2000.

Data used to evaluate HAWK-I

In order to compare the effect of HAWK-I on comparable populations, only data for children from whom both a baseline and follow-up survey were received were used in this analysis. This allowed for a cleaner analysis of the impact of the program. The data used in this report were for children who initially enrolled in the program between January and November 1999. This approximates children who were enrolled for the first year of the HAWK-I program.

There were a total of 463 for whom there was data for both the baseline and follow-up survey. The process of identifying children for whom there were complete data for both surveys began with the receipt of data for 711 completed follow-up surveys from the survey vendor in December 2000. After evaluating this data, 36 cases were eliminated because of discrepancies such as duplicate surveys having been received for a given child, leaving 675 cases.

The 675 follow-up cases were then merged with the available baseline data to try and determine if a baseline survey had been received for each of these cases. No unique identifier was available for this match because of the change in survey vendors, thus the files had to be merged using other identifiers (e.g., first and last name). This resulted in 566 children for whom there were data for both a baseline and follow-up survey identified. As a precautionary measure another 103 cases were removed because the demographic data indicated that the baseline and follow-up surveys were filled out on behalf of different children. This resulted in the final 463 cases, used in these analyses, for which there were data from the baseline and follow-up survey on the same child.

Evaluation analysis

Statistical tests were conducted to determine if there were statistically significant differences between responses to the same questions in the baseline and follow-up questionnaires. McNemar's test for correlated proportions was used for questions with binomial responses, and the Wilcoxon signed rank tests were used for items with multinomial response options. Tests were considered statistically significantly different if the probability of the difference occurring by chance was less than 5 percent ($p < 0.05$). This is the first report to include results from the follow-up questionnaire. Unless indicated otherwise, the tables in this report present data from matched 463 surveys. Analyses were conducted using SPSS for the Macintosh version 6.1.

Nonresponse bias (error caused by people who did not complete either the baseline or follow-up survey) was evaluated by two comparisons. The first analysis compared the total population who completed the baseline survey with those who completed both the baseline and follow-up. The second compared those who only completed the follow-up survey with those who completed both surveys. These tests indicated that the population who completed both a baseline and follow-up survey were representative of the entire population who completed either of the two surveys alone and thus were appropriate to be used in the pretest-posttest analysis.

Even though the total number of children for whom we had a completed response for both the baseline and follow-up survey was the same (463), the number of responses for each question is different because:

- a) for each question, only the results for children who had valid responses (e.g., nonmissing values) on **both** the baseline and follow-up surveys are shown in the tables,
- b) some questions were not answered because of skip patterns, which could have changed if responses differed between the baseline and the follow-up survey.

For items only on the follow-up survey, results from all people who completed a follow-up questionnaire are shown (not just responses for people who completed both the baseline and follow-up survey).

Summary of HAWK-I Survey Results

This is a summary of the results of surveys conducted with parents comparing their children's health and health care experiences in the year prior to joining HAWK-I with those while in HAWK-I. This provides an estimate of the effect that providing HAWK-I health insurance had on these previously uninsured children. Using standard statistical tests to evaluate differences in responses before and after HAWK-I, the following was determined:

Medical care

After being in the HAWK-I program for a year, children....

- ❖ had similar rates of needing care as when they joined, however,
- ❖ were significantly more likely to have a personal doctor or nurse,
- ❖ were significantly less likely to be stopped from getting needed care,
- ❖ were significantly less likely to be delayed from getting needed care.

Specialty care

After being in the HAWK-I program for a year, children....

- ❖ had similar rates of needing a specialist as when they joined, however,
- ❖ were significantly less likely to be stopped from getting specialty care,
- ❖ were significantly less likely to be delayed from getting specialty care.

Emergency room care

After being in the HAWK-I program for a year, children....

- ❖ had significantly fewer visits to the emergency room in the past year.

Dental care

After being in the HAWK-I program for a year, children....

- ❖ reported similar need for dental care as when they joined, however,
- ❖ were significantly more likely to have a regular source of dental care,
- ❖ were significantly less likely to be stopped from getting dental care,
- ❖ were significantly less likely to be delayed from getting dental care.

Preventive care

After being in the HAWK-I program for a year, children....

- ❖ were as likely to receive anticipatory guidance as before they joined.

Other care

After being in the HAWK-I program for a year, children....

- ❖ had similar need for vision care, however,
- ❖ were significantly less likely to have been stopped from receiving vision care,
- ❖ had less need for behavioral or emotional care, and,
- ❖ were significantly less likely to be stopped from receiving behavioral or emotional care,
- ❖ had similar need for prescription medicine, however,
- ❖ were significantly less likely to have been stopped from receiving prescription medicines.

Health status

After being in the HAWK-I program for a year, children....

- ❖ had their overall health status rated significantly higher,
- ❖ were reported to be in significantly better health than one year earlier,
- ❖ had significantly fewer sick days in previous 4 weeks,
- ❖ were significantly less likely to require supervision because of a medical, developmental, behavioral or emotional health condition
- ❖ were significantly less likely to miss school because of illness or injury.

Impact on families

After being in the HAWK-I program for a year....

- ❖ stress was reduced in 95% of families,
 - ❖ 78% said it had reduced stress “a lot”,
- ❖ worry about the ability to pay for health care was reduced significantly,
- ❖ about one-third of parents said their child’s chronic condition was identified because of care received while on HAWK-I,
- ❖ the activities of significantly fewer children were limited because of the concerns about health care costs,
- ❖ significantly more parents had health insurance one year after their children started on the HAWK-I program.

Your Child's Health Care in the Last 12 Months

The first series of questions ask about your child's health care and times when your child might have had difficulty receiving care. Do not include the times your child went for dental care.

1. A personal doctor or nurse is the health provider who knows your child best. This can be a general doctor, a pediatrician, a specialist, a nurse practitioner, or a physician assistant. Do you have one person you think of as your child's personal doctor or nurse?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	366	81	403	89
No	87	19	50	11

*Significantly different, $p=.00$

2. During the past 12 months, was there any time when you or a health professional thought your child needed medical care of any kind?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	308	68	284	63
No	145	32	169	37

Not significantly different, $p=.06$

Respondents who answered No skipped to question 14

3. In the last 12 months, was there any time when your child needed medical care but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	59	27	14	6
No	162	73	207	94

*Significantly different, $p=.00$

Respondents who answered No skipped to question 5

The following is a list of possible reasons why people may not be able to get medical care for their children.

4. In the last 12 months, did any of the following stop you from getting medical care that you or a health professional thought your child needed?
(please check all that apply)

Reason	Baseline	Follow-up
	Number of respondents	Number of respondents
Our family could not afford it	55	8
We had trouble getting an appointment with my child's doctor clinic	6	1
I/spouse could not get off work	1	0
We had to travel too far or had other transportation problems	1	1
We did not know where to go at night or on the weekend for care	2	2
Didn't know how to get care through the HAWK-I program	NA	3
Couldn't find Dr./clinic that accepted HAWK-I patients	NA	1
Other	5	6

5. In the last 12 months, was there any time when you waited longer than you think you should have to get medical care for your child for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	82	37	19	9
No	138	63	201	91

*Significantly different, $p=.00$

Respondents who answered No skipped to question 7

The following is a list of possible reasons why people may have to wait longer than they think they should have to for medical care for their children.

6. In the last 12 months, did any of the following make you wait longer than you think you should have for medical care that you or a health professional thought your child needed? (please check all that apply)

Reason	Baseline	Follow-up
	Number of	Number of
Our family could not afford it	62	9
We had trouble getting an appointment with my child's doctor clinic	11	5
I/spouse could not get off work	2	0
We did not know where to go at night or on the weekend for care	6	1
We had to travel too far or had other transportation problems	6	1
Other	12	4
We couldn't find a dr./clinic that accepted HAWK-I patients	NA	2
We didn't know how to get care through our child's HAWK-I health plan	NA	2

7. In the last 12 months, when your child needed care right away for an illness or injury, how often did your child get care as soon as you wanted?*

Reason	Baseline			Follow-up		
	n	% of all *	% of those who needed urgent care	n	% of all *	% of those who needed urgent care
Child didn't need care right away for an illness or injury in the last 12 months	26	12	1	NA	12	NA
Never	3	1	1	1	<1	<1
Sometimes	18	8	10	5	2	3
Usually	71	33	37	26	12	14
Always	100	46	52	159	73	83

*Significantly different, $p=.00$

† Does not add to 100%, not all respondents needed care in last year

8. In the last 12 months, when your child needed routine preventive care (for example, a physical exam or vaccination shots), how often did your child get care as soon as you wanted?

Reason	Baseline			Follow-up		
	n	% of all respondents*	% of those who needed preventive care	n	% of all respondents*	% of those who needed preventive care
Child didn't need preventive care in the last 12 months	42	19	NA	34	15	NA
Never	8	4	4	3	1	1
Sometimes	33	15	18	5	2	3
Usually	52	23	30	29	13	15
Always	87	39	48	15 1	68	81

*Significantly different, $p=.00$

† Does not add to 100%, not all respondents needed care in last year

Specialists are doctors like surgeons, heart doctors, allergy doctors and others who specialize in one area of health care.

9. In the last 12 months, was there any time when you or a health professional thought your child needed care from a specialist?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	78	35	85	39
No	143	65	136	62

Not significantly different, p=.43

Respondents who answered No skipped to question 12

10. In the last 12 months, was there any time when your child needed care from a specialist but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	19	40	6	13
No	28	60	41	87

**Significantly different, p=.00*

11. In the last 12 months, was there any time when your child needed care from a specialist but waited longer than you thought you should have to get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	24	49	10	20
No	25	51	39	80

**Significantly different, p=.01*

12. In the last 12 months, how many times did your child go to a hospital emergency room?*

Response	Baseline		Follow-up	
	n	%	n	%
None	110	56	125	63
1	53	27	42	21
2	16	8	19	10
3	11	6	6	3
4	3	2	3	2
5	0	0	1	<1
6	2	1	0	0
7	1	<1	0	0
8	0	0	2	1
>8	2	1	0	0

*Significantly different, $p=.02$

13. In the last 12 months (not counting times your child went to an emergency room), how many times did your child go to a doctor's office or clinic?*

Response	Baseline		Follow-up	
	n	%	n	%
None	0	0	0	0
1 time	22	11	16	8
2 to 4 times	107	51	118	57
5 to 9 times	63	30	49	24
10 or more times	16	8	25	12

*Significantly different, $p=.00$

14. In the last 12 months, has a health professional encouraged you to take any type of preventive health steps for your child such as watching what your child eats or using bicycle helmets or car seats?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	113	25	111	24
No	341	75	343	76

Not significantly different, p=.92

DENTAL CARE

15. During the past 12 months, was there any time when you or a health professional thought your child needed dental care?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	231	51	239	53
No	220	49	212	47

Not significantly different, p=.57

16. Is there one main person/place where you can take your child if they need dental care?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	365	82	391	87
No	83	19	57	13

**Significantly different, p=.01*

17. In the last 12 months, was there any time when your child needed dental care but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	132	30	44	10
No	310	70	398	90

*Significantly different, $p=.00$

Respondents who answered No skipped to question 19

18. The following is a list of possible reasons why people may not be able to get dental care for their children.

In the last 12 months, did any of the following stop you from getting dental care that you or a health professional thought your child needed? (*please check all that apply*)

Reason	Baseline	Follow-up
	Number of respondents	Number of respondents
Our family could not afford it	118	15
We had trouble getting an appointment with my child's doctor clinic	15	3
We had to travel too far or had other transportation problems	11	3
I/spouse could not get off work	3	0
We did not know where to go at night or on the weekend for care	5	2
We couldn't find a dentist that accepted HAWK-I patients	NA	15
We didn't know how to get dental care through our child's HAWK-I health plan	NA	4
Other	11	17

19. In the last 12 months, was there any time when you waited longer than you think you should have to get dental care for your child for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	137	31	45	10
No	308	70	400	90

*Significantly different, $p=.00$

Respondents who answered No skipped to question 21

20. The following is a list of possible reasons why people may have to wait longer than they think they should have to for dental care for their children.

In the last 12 months, did any of the following make you wait longer than you think you should have for dental care that you or a health professional thought your child needed? (please check all that apply)

Reason	Baseline	Follow-up
	Number of respondents	Number of respondents
Our family could not afford it	118	10
We had trouble getting an appointment with my child's doctor clinic	13	8
We had to travel too far or had other transportation problems	5	5
I/spouse could not get off work	3	1
We did not know where to go at night or on the weekend for care	2	1
We couldn't find a dentist that accepted HAWK-I patients	NA	13
We didn't know how to get dental care through our child's HAWK-I health plan	NA	3
Other	11	10

21. When was your child's last visit to the dentist?*

Response	Baseline		Follow-up	
	n	%	n	%
Never been	82	18	58	13
Under 12 months ago	215	48	309	69
1-2 years ago	102	23	58	13
2+ years ago	50	11	24	5

*Significantly different, $p=.00$

VISION CARE

22. During the past 12 months, was there any time when you or a health professional thought your child needed vision care or eyeglasses?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	131	29	118	26
No	323	71	336	74

Not significantly different, $p=.17$

Respondents who answered No skipped to question 24

23. In the last 12 months, was there any time when your child needed vision care or eyeglasses but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	35	46	9	12
No	42	55	68	88

*Significantly different, $p=.00$

24. When was your child's last professional eye exam?

Response	Baseline			Follow-up		
	n	% of all respondents	% of those who had care	n	% of all respondents	% of those who had care
Never been	200	26	NA	161	36	NA
Under 12 months ago	115	17	48	158	17	54
1-2 years ago	75	11	32	75	10	29
2+ years ago	48	46	20	44	37	17

*Significantly different, $p=.00$

BEHAVIORAL OR EMOTIONAL HEALTH CARE

25. During the past 12 months, was there any time when you or a health professional thought your child needed care for behavioral or emotional problems?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	86	19	63	14
No	370	81	393	86

*Significantly different, $p=.00$

Respondents who answered No skipped to question 27

26. In the last 12 months, was there any time when your child needed care for behavioral or emotional problems but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	21	42	9	18
No	29	58	41	82

*Significantly different, $p=.00$

Prescription Medicine

27. During the past 12 months, was there any time when you or a health professional thought your child needed prescription medicine for any reason?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	332	73	324	71
No	126	28	134	29

Not significantly different, $p=.54$

Respondents who answered No skipped to question 29

28. In the last 12 months, was there any time when your child needed prescription medicine but could not get it for any reason?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	54	21	33	13
No	199	79	220	87

**Significantly different, $p=.01$*

YOUR CHILD'S HEALTH

The next series of questions ask about your child's health. Please answer the questions the best you can even if some questions may not seem quite right if your child is very young.

29. During the last 4 weeks, how many days has your child not been able to do his/her normal activities because of sickness?*

Response	Baseline		Follow-up	
	n	%	n	%
None	286	71	325	81
1 - 2 days	44	11	37	9
3-5 days	48	12	24	6
6-10 days	13	3	9	2
11-15 days	8	2	1	<1
16-20 days	1	<1	0	0
>20 days	1	<1	5	1

*Significantly different, $p=.00$

30. Because of a medical, developmental, behavioral or emotional health condition, does your child require more supervision than other children of his/her age?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	63	14	39	9
No	394	86	418	92

*Significantly different, $p=.00$

31. Does your child require extra or specialized medical care, therapies, diet supplies, medical equipment, nursing or home health because of a special health care need?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	36	8	33	7
No	422	92	425	93

Not significantly different, p=.74

32. Does your child need more assistance than other children of his/her age with any of the following: eating, dressing, bathing, moving around, going to the bathroom, or playing?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	12	3	7	2
No	445	97	450	99

Not significantly different, p=.27

33. Does your child need more assistance than other children of his/her age with understanding or using language or learning?

Response	Baseline		Follow-up	
	n	%	n	%
Yes	59	13	51	11
No	391	87	399	89

Not significantly different, p=.26

34. During the past 12 months, has your child been more limited in the activities he/she could do compared to other children his/her age because of your child's PHYSICAL health?

Response	n	Baseline		n	Follow-up	
		% of all Respondents	% of those who were limited		% of all Respondents	% of those who were limited
Not Limited	399	90	NA	402	91	NA
Limited a lot	3	<1	14	2	<1	5
Limited some	18	4	57	17	4	48
Limited a little	24	5	29	23	5	48

Not significantly different, p=.59

35. During the past 12 months, has your child been more limited in the activities he/she could do compared to other children his/her age because of your child's BEHAVIORAL OR EMOTIONAL health?

Response	n	Baseline		n	Follow-up	
		% of all Respondents	% of those who were limited		% of all Respondents	% of those who were limited
Not limited	409	91	NA	417	93	NA
Limited a lot	7	2	29	6	1	14
Limited some	13	3	38	12	3	43
Limited a little	22	5	33	16	4	43

Not significantly different, p=.28

36. In general, how would you rate your child's overall health now?*

Response	Baseline		Follow-up	
	n	%	n	%
Excellent	167	37	192	43
Very good	187	42	177	39
Good	79	18	82	18
Fair	17	4	0	0
Poor	1	<1	0	0

*Significantly different, $p=.00$

37. Compared to one year ago, how would you rate your child's health now?*

Response	Baseline		Follow-up	
	n	%	n	%
Much better now	65	14	80	18
Somewhat better now	46	10	68	15
About the same now	325	72	289	66
Somewhat worse now	14	3	3	<1
Much worse now	0	0	1	<1

*Significantly different, $p=.00$

The following is a list of health problems that can last a long time in children.

38. Does your child now have any medical conditions that have lasted for at least 3 months? (Please check all that apply)

Reason	n	Baseline	n	Follow-up
		% of all respondents		% of all respondents
Chronic allergies/sinus problems	65	11	74	13
Dental Problems	63	11	65	11
Behavioral or emotional problems	58	10	59	10
Attention Problems	50	9	53	9
Vision problems	49	9	39	7
Asthma	34	6	44	8
Frequent ear infections	44	8	31	5
Depression	27	5	26	5
Speech or language problems	18	3	18	3
Chronic back, neck, bone or muscle problem	15	3	25	4
Bladder/bowel problems	20	4	13	2
Developmental delays or mental retardation				
Hearing impairment/deafness	5	<1	9	2
Failure to thrive/eating disorder	5	<1	2	<1
Physical disability	7	1	6	1
Substance abuse problems	6	1	5	<1
Diabetes				
Other chronic condition	53	9	32	6

*A parent may report more than one condition for a child

39. In the last 12 months, has your child seen a doctor or other health professional more than twice for any of these (chronic) conditions?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	133	43	140	38
No	175	57	229	62

**Significantly different, p=.00*

40. Has your child been taking prescription medicine for at least 3 months for any of these conditions?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	92	30	91	25
No	218	70	278	75

**Significantly different, p=.00*

41. In the past 12 months, about how many days did your child miss school because of illness or injury?*

Response	Baseline		Follow-up	
	n	%	n	%
None	73	20	117	32
1 – 2 days	70	19	94	26
3-4 days	60	17	63	17
5-7 days	49	13	36	10
8-10 days	27	7	25	7
11-20 days	22	6	16	4
21+	8	2	5	1
Child too young for school	55	15	8	2

*Significantly different, $p=.00$

ABOUT YOUR CHILD

42. In the last year, how much have you worried about your ability to pay for your child's health care?*

Response	Baseline		Follow-up	
	n	%	n	%
A great deal	281	63	76	17
Somewhat	97	22	89	20
A little	43	10	108	24
Not at all	22	5	170	38

*Significantly different, $p=.00$

43. In the last year, did your child's lack of health insurance lead you to limit your child's activities in any way?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes, limited a lot	19	4	5	1
Yes, limited a little	106	24	49	11
No, did not limit	309	71	380	88

*Significantly different, $p=.00$

44. What is your child's age now?

Response	Baseline		Follow-up	
	n	%	n	%
<1	6	1	0	0
1	19	4	8	2
2	33	7	28	6
3	35	8	34	8
4	27	6	27	6
5	32	7	34	8
6	19	4	24	5
7	27	6	19	4
8	28	6	25	6
9	26	6	28	6
10	23	5	32	7
11	24	5	19	4
12	22	5	24	5
13	20	5	22	5
14	27	6	19	4
15	27	6	25	6
16	31	7	34	8
17	13	3	24	5
18	4	<1	14	3
19	0	0	3	<1

Not significantly different, p=1.0

45. Is your child male or female?

Response	Baseline		Follow-up	
	n	%	n	%
Male	241	55	241	55
Female	197	45	197	45

ABOUT YOU

The following questions apply to the person filling out this questionnaire.

46. Do you currently have health insurance for yourself or are you enrolled in a program that pays for your health care?*

Response	Baseline		Follow-up	
	n	%	n	%
Yes	176	40	201	46
No	263	60	238	54

*Significantly different, $p=.01$

Respondents who answered yes were supposed to skip to question 56

47. Up until now, how long have you been without health insurance or a program that paid for health care?

Response	Follow-up	
	n	%
Under 6 months	30	10
6-11 months	18	6
12-23 months	46	15
2-5 years	18	39
More than 5 years	62	20
Never had insurance	30	10

48. What is the highest grade or level of school that you have completed?

Response	Baseline		Follow-up	
	<i>n</i>	%	<i>n</i>	%
8 th grade or less	10	2	10	2
Some high school	36	8	29	7
High school graduate	189	43	184	42
Some college	127	29	141	32
College graduate/postgraduate	76	17	74	17

49. Are you one of this child's main caregivers?

Response	Baseline		Follow-up	
	<i>n</i>	%	<i>n</i>	%
Yes	435	99	435	99
No	4	<1	4	<1

50. How are you related to the child referred to in this questionnaire?

Response	Baseline		Follow-up	
	<i>n</i>	%	<i>n</i>	%
Parent	435	98	434	97
Grandparent	4	<1	4	<1
Another relative	1	<1	2	<1
Unrelated guardian	0	0	2	<1
Other	6	1	4	<1

Items from follow-up survey only

51. Please tell us in which of the following health plans your child is currently enrolled as part of the HAWK-I program?

Response	Follow-up	
	n	%
Iowa Health Solutions HMO	168	26
John Deere HMO	7	1
Unity Choice HMO	21	3
WellMark Health Plan	374	57
Unsure	90	14

52. When your child joined this health plan, or at any time since then, did he or she get a new personal doctor or nurse?

Response	Follow-up	
	n	%
Yes	140	21
No	531	79

53. With the choices your child's health plan gave you, how much of a problem, if any, was it to find for your child a personal doctor or nurse you are happy with?

Response	Follow-up	
	n	%
A big problem	11	9
A small problem	21	17
Not a problem	91	72
Didn't need	3	2

54. When was your child's last dental check-up?

Response	Follow-up	
	n	%
Less than 12 months	454	69
1-2 years ago	95	14
More than 2 years	32	5
Never been	79	12

55. Were any of the conditions found because of care your child received through their HAWK-I health plan? (Of those who had a chronic condition)

Response	Follow-up	
	n	%
Yes	92	31
No	206	69

56. How much of a problem, if any, was it to understand the information in the written materials from the HAWK-I program?

Response	Follow-up	
	n	%
A big problem	12	2
A small problem	102	16
Not a problem	527	81
No materials	12	2

57. Did you know that your child's HAWK-I health plan has a helpline that you can call to get information or help for your child?

Response	Follow-up	
	n	%
Yes	443	67
No	220	33

58. In the last 12 months, did you call your child's HAWK-I health plan's helpline to get information or help for your child?

Response	Follow-up	
	n	%
Yes	196	49
No	207	51

59. In the last 12 months, how much of a problem, if any, was it to get the help you needed when you called your child's HAWK-I health plan's helpline?

Response	Follow-up	
	n	%
A big problem	12	6
A small problem	20	9
Not a problem	163	76
Didn't call	20	9

60. In the last 12 months, how much of a problem, if any, did you have with paperwork for your child's health plan?

Response	Follow-up	
	n	%
A big problem	26	4
A small problem	85	13
Not a problem	473	72
No materials	77	12

61. In the last 12 months, did your child need any of the following services but could not get them for any reason? (Please check all that apply)

Response	n	Follow-up
		% (of all respondents)
Nutrition counseling	4	>1
Help scheduling an appointment for health care	7	1
Transportation assistance for travel to health care	9	1
Other	29	4

62. In the last 12 months, was there any time when your child needed more services than were allowed by their HAWK-I health plan?

Response	Follow-up	
	n	%
Yes	105	16
No	554	84

63. We want to know your rating of all your experience with your child's health plan since joining HAWK-I.

Use any number from 0 to 10 where 0 is the worst health plan possible, and 10 is the best health plan possible. How would you rate your child's health plan now?

Response	Follow-up	
	n	%
0 (worst plan)	0	0
1	1	<1
2	4	<1
3	2	<1
4	8	1
5	27	4
6	17	3
7	33	5
8	98	15
9	145	22
10 (best plan)	311	48

64. In the last year, has your child's HAWK-I health insurance coverage helped to reduce the amount of stress within your family?

Response	Follow-up	
	n	%
Yes, it has reduced it a lot	504	78
Yes, it has reduced it a little	113	18
No, it has not reduced it at all	29	5