

# Iowa Department of Public Health



## Child Vision Screening Program Report

Iowa KidSight Annual Report, December 2018

## Child Vision Screening Report

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Gov. Kim Reynolds  
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The following report, prepared by Iowa KidSight, responds to HF 653, Division III, Section 4, paragraph (a).

For HF 653, Division III, Section 4, paragraph (I), no funding was allocated to Prevent Blindness Iowa, therefore, IDPH does not have any activity to report for that portion of the legislation.

September 13, 2018

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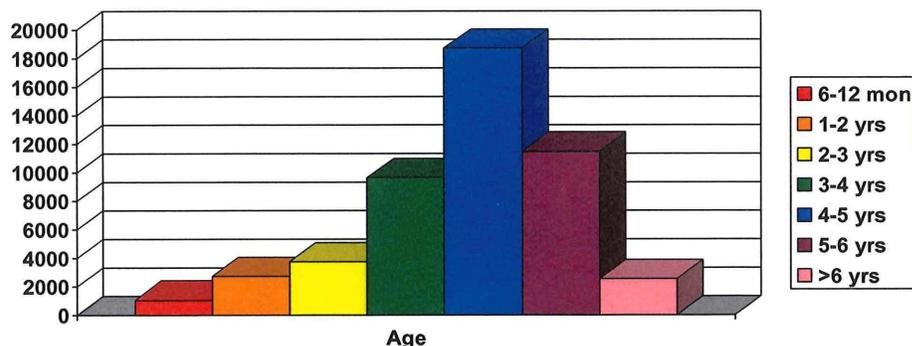
Melissa:

Hello! I am writing to submit the final report of Performance Measures outlined in Article VII of Contract # 5888VS01. Fiscal year 2017-2018 marked another year of progress for the Iowa KidSight program. While reaching more children than we did in the previous year(s), additional highlights included: modernizing our Program logo, celebrating a milestone of serving half a million children, partnering with Mercy Pediatrics for walk-in screenings, and uploading vision screening results from July 2017 to present into IRIS!

Contract measures:

- A completed work plan: See *Enclosure I*.
- The percent of children under age five who received a vision screening=71.93%

## Age of Children Screened July 1, 2017 to June 30, 2018



- The percent of children screened who were referred for follow-up = 6.38%
- The percent of children referred who received follow-up as documented by return of the referral by an ophthalmologist or an optometrist = 65.62%\*
- The percent of children who received follow-up who have a vision abnormality = 90.66%\*

\* Percentages will increase as follow-up effort continues for a full year post screening date.

- The number of volunteers trained to use the iScreen 3000 digital vision screener during the contract period = 157
- The total number of volunteers active in providing the screening during the contract period = 526+

+Lions Clubs will often take along extra helpers to carry out vision-screening sessions. Only the Club Contact and Photographers are recorded and logged. There were 166 different Lions Clubs extending the service during the contract period.

- The location and number of active volunteers shown on a state map:  
See *Enclosure II* and the note directly above concerning active volunteers.
- A description of the education activities including content, method, frequency, and evaluation of effectiveness:

Informational sessions for Iowa Lions Clubs, training sessions for Iowa Lions Club Volunteers, participation in health fairs, and informational meetings with various interest groups are held throughout the year upon request. An annual meeting for Iowa KidSight Coordinators and Trainers is a required educational activity. An activity we have begun to incorporate is having an annual meeting exclusive for active volunteer screeners in areas ("districts") throughout Iowa. Following are the detailed descriptions of each.

Informational sessions for Iowa Lions Clubs (~ 3 per month): Lions Clubs request guest speakers to visit their Clubs to conduct informational sessions on Iowa KidSight. The speaker is most often the Program Manager or Lions Club District Coordinator. The content describes what the Program is, who carries it out, how it is carried out, why it is carried out, Program progress, and also provides time for questions and discussion.

The information is delivered to accommodate the Club's request, e.g., PowerPoint presentation, viewing of informational videos, lecture/handouts. Evaluation of effectiveness could be measured by the Club's further decision to support or participate in the Program.

Training sessions for Iowa Lions Club Volunteers (~ 3 per month): Lions Clubs who decide to adopt Iowa KidSight as a community service project request training sessions to become certified to screen. The Program Manager at the University of Iowa Hospitals and Clinics "trains the Trainers." There were 25 Iowa Lions Club volunteers serving in the role of Trainer throughout the state this fiscal year. The content of the training sessions includes specific instructions on the processes involved in conducting screening sessions, hands-on practice with the screening device, and practice and testing on what makes an interpretable screening image. Trainers use PowerPoint presentations that include this content, and also provide those being trained with a typed Training and Review Packet for taking home. The Packet outlines screening roles and processes, step-by-step. Once the training session is complete, each participant is asked to complete an Evaluation Sheet which is used to monitor the effectiveness of the training session/Trainer. New last fiscal year, is the option of on-line training. The on-line training consists of all of the content previously described, plus a certification module at the end. Practice with the screening device and supervision is subsequently provided by a Trainer. Volunteers are able to utilize this new on-line training tool as a refresher course as well. Preliminary results of the on-line training method show lower retake rates and greater participation subsequent to the training, both of which are positive results.

Participation in Health Fairs (~36 annually): Lions Clubs will decide to participate or receive requests to participate in a variety of fairs in their local communities. Sometimes screenings are offered if the location of the fair is conducive. If not conducive for screening, informational brochures and handouts on why screenings are necessary and how to request one are handed out. Evaluation of effectiveness could be measured by how many screenings are conducted as a result of the educational material being distributed. Vision screenings and educational information are also extended during the Iowa State Fair each year.

Informational meetings with different interest groups (~4 annually): The majority of these round-table meetings are requested by collaborators. Content includes information on how Iowa KidSight is carried out, how screening sessions can be requested, and how programs can work together. Evaluation of effectiveness could be measured by resulting collaborative efforts and/or further screenings being conducted.

Annual meeting of KidSight Coordinators and Trainers: The content of these educational sessions include updating volunteer leaders on Program methodologies, Program progress, collaborative efforts, and discussing current circumstances at-hand. These annual round-table meetings are mandatory for those volunteers assuming leadership roles. Participants are asked to evaluate the content of each meeting on a Communication Sheet that they utilize throughout the meeting.

Annual meeting, exclusive, for active volunteer screeners: Active volunteer screeners typically receive information and updates through KidSight Coordinators and Trainers via e-mail, mail, or during seminars at Lions Club District Conventions. One meeting, exclusive for active volunteer KidSight screeners, was held this year in Mechanicsville. The content of the meeting included Program updates, time for questions and answers, and review of the KidSight Tool Kit that was devised to outline details on the Iowa legislation requiring proof of vision screenings for young children.

- Description of the mechanism for assuring that the list of ophthalmologists and optometrists contains current referral information:

This fiscal year we utilized the Iowa Department of Public Health, Bureau of Professional Licensure, Public License Search website as the primary means to assure that KidSight referral lists contained current referral information. Our referral lists were originally compiled, incorporated into a database, and maintained using membership lists from the Iowa Academy of Ophthalmology and the Iowa Optometric Association. Additionally, each KidSight Referral List that is sent out contains a note indicating that Iowa KidSight appreciates receiving updates and corrections, and provides contact information to do so.

A “welcome letter” is sent to new providers. The letter describes how the Iowa KidSight program is carried out and it also describes the importance of returning the Evaluation Sheet to the KidSight office after exams are conducted as the result of a vision-screening referral.

- Documentation of the measures taken to assure that Title V Child Health agencies, AEAs, Head Start Programs, WIC clinics, local public health agencies and elementary schools receive information regarding coordination and integration of services provided:

The scheduling of vision screenings is done at the local level by Iowa Lions Club volunteers. Screening sessions are primarily held in childcare settings and elementary schools, and they might also be held in a public location and advertised to the public. Lions Clubs collaborate with their neighbors who are employees of Title V Child Health agencies, AEAs, Head Start Programs, WIC clinics, local public health agencies and elementary schools to coordinate and schedule collaborative screening activities locally. **There were 358 collaborative screening sessions conducted in 2017-2018.** Contacts at collaborating agencies receive a summary of results after vision screenings are conducted.

The Iowa KidSight Tool Kit continues to be utilized by Iowa Lions Club volunteers. It outlines details on the new Iowa legislation requiring proof of vision screenings for young children and also includes material and templates to support access, integration, and communication surrounding collaborative vision screening opportunities.

- In my capacity as Program Manager, I assure that 100% of Early Childhood Iowa areas were sent a communication to update them on Iowa KidSight, describing:
  - a. How free vision-screening sessions are conducted,
  - b. How to request a screening,
  - c. Ways Iowa KidSight can keep Early Childhood Iowa areas informed of local screening activity.

For the 18<sup>th</sup> consecutive year, more Iowa children were reached than in previous years:

Program Year #	# of Sessions	# of Children Screened	# of Children Requiring Referral	F-U PPV*
1 (May 2000-April 2001)	114	1524	109 (7.15%)	8%
2 (May 2001-April 2002)	370	5268	278 (5.28%)	93.60%
3 (May 2002-April 2003)	700	9547	422 (4.42%)	91.18%
4 (May 2003-April 2004)	1000	14,837	719 (4.85%)	95.00%
5 (May 2004-April 2005)	1097	16,772	670 (3.99%)	96.76%
6 (May 2005-April 2006)	1286	19,261	628 (3.26%)	98.21%
7 (May 2006-April 2007)	1502	23,157	783 (3.38%)	97.13%
8 (May 2007-April 2008)	1787	27,581	1066 (3.86%)	97.19%
9 (May 2008-April 2009)	1888	29,840	1574 (5.27%)	95.25%
10 (May 2009-April 2010)	2004	30,636	1486 (4.85%)	88.94%
11 (May 2010-April 2011)	2001	32,272	1629 (5.05%)	88.90%
12 (May 2011-April 2012)	1998	33,315	1859 (5.58%)	89.40%
13 (May 2012-April 2013)	2257	37,401	2941 (7.86%)	89.82%
14 (May 2013-April 2014)	2523	40,505	2824 (6.97%)	92.12%
15 (May 2014-April 2015)	2578	42,643	2907 (6.82%)	92.18%
16 (May 2015-April 2016)	2674	45,403	3407 (7.50%)	92.21%
17 (May 2016-April 2017)	2788	49,108	3436 (7.00%)	90.70%
18 (May 2017-April 2018)	2779	50,122	3208 (6.40%)	90.53%
<b>TOTALS:</b>	<b>31,346</b>	<b>509,192</b>	<b>29,946 (5.88%)</b>	<b>93.36%</b>

9/13/2018 "snapshot"  
Follow-up effort continues for one year post screening.

We appreciate the support extended through the Iowa Department of Public Health.  
Thank you for enabling us to save vision capabilities for our Iowa children!

Sincerely,



Lori Short  
Program Manager, Iowa KidSight

Enclosures (2)



Bronson, age 4  
Burlington, Iowa

“Since getting his glasses, Bronson has learned his alphabet, numbers, and what it means to color inside the lines, because now he can see them! He can also sit through an entire movie and sit having books read to him for long periods of time. He can now enjoy life fully. Although he didn’t know any different, he was being cheated out of so many things, that he now can enjoy.”

– Bronson’s Mom



**Work Plan: Fiscal Year 2017 – 2018**

	Responsible Party	Targeted Due Date	Milestones and Deliverables
<p><b><u>Objective 1</u></b></p> <p>Objectively screen vision in infants and young children throughout Iowa at no cost to the public, in collaboration with Early Childhood Iowa areas and in coordination with other programs with similar purposes or serving similar populations</p> <p>(Goal) Number of children who will be screened = 50,600</p>	Lions Club Volunteers	On-going throughout year.  June 30, 2018	<p><b>Number of infants and young children screened throughout Iowa July 1, 2017 – June 30, 2018 = <u>49,905</u></b></p>
<p>Activity 1:</p> <p>Encourage Iowa Lions Club Volunteers to participate through Club Visits and publications received by Iowa Lions.</p>	Program Mgr., Lion District Coord. (9), District Governors (7), Trustees (14)	On-going throughout year.	Program Manager made 11 visits to Lions Clubs to encourage participation. Lion District Coordinators/Governors/Trustees pay a visit to each of the Iowa Lions Clubs each fiscal year, incorporating Iowa KidSight information into presentations. Information on the Iowa KidSight program is included in each monthly edition of "The Iowa Lion."
<p>Activity 2:</p> <p>Provide training for Iowa Lions Club Volunteers who wish to adopt Iowa KidSight as a local community service project.</p>	Iowa KidSight Trainers (25)	On-going throughout year.	Training sessions were conducted for 53 Iowa Lions Clubs, and a University of Iowa vision-interest medical student group. A total of 157 individuals received training during the 2017-2018 fiscal year.
<p>Activity 3:</p> <p>Utilize Rapid Response Screening Teams to meet screening requests when there is not an active Lions Club locally.</p>	Iowa KidSight Office Staff, & Lion District Coordinators	On-going throughout year.	There were 19 random screening sessions recorded as being requested. All requests for the service were met.

<p>Activity 4:</p> <p>Assure that the screening images taken are sent to the University of Iowa Hospitals and Clinics to be evaluated by appropriate medical specialists.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	<p>The name of the medical specialist who evaluates each screening image is logged in the KidSight database.</p>
<p>Activity 5:</p> <p>Report screening results to parents and collaborators.</p>	<p>Program Assistants</p>	<p>On-going throughout year.</p>	<p>Noted the date results were mailed, and to whom, on Vision Screening Routing Forms associated with each screening session.</p>
<p><b><u>Objective 2</u></b></p> <p>Educate the public about the risk of undetected/untreated vision loss.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	
<p>Activity 1:</p> <p>Provide informational brochures for parents to keep.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	<p>Program informational brochures were refreshed this fiscal year. They were distributed to parents along with screening Consent Forms.</p>
<p>Activity 2:</p> <p>Participate in Health Fairs.</p>	<p>Lions Club Volunteers</p>	<p>On-going throughout year.</p>	<p>Participation in 28 Health/Child Fairs were recorded this fiscal year. Screenings were offered and public education materials were also distributed during the 11-day Iowa State Fair and at 14 County Fairs.</p>
<p>Activity 3:</p> <p>Assure that the parents or guardian of any child with an abnormal vision-screening image is sent a referral letter with details about the need for a referral to an eye care professional.</p>	<p>Program Assistants</p>	<p>On-going throughout year.</p>	<p>Documented in the KidSight database and in screening session folders.</p>
<p>Activity 4:</p> <p>Conduct follow-up on any child with a "referral" screening result when an Evaluation Sheet is not returned by an eye care professional, within ~three months of reporting of screening results.</p>	<p>Follow-Up Coordinators</p>	<p>On-going throughout year.</p>	<p>Documented individual details in Follow-Up Logs on all children referred who required follow-up effort.</p>

<p><b><u>Objective 3</u></b></p> <p>Educate the public and increase lowans' knowledge about children's eye health issues and promote Iowa's Child Vision Screening Program.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	
<p>Activity 1:</p> <p>Include information pertaining to Iowa's Child Vision Screening Program in PowerPoint Presentations and written materials used in conducting Iowa KidSight informational sessions.</p>	<p>Program Manager</p>	<p>On-going throughout year.</p>	
<p>Activity 2:</p> <p>Develop relationships with school nurses and elementary school to ensure kindergarten children have access to KidSight vision screening services if screenings have not been completed prior to entry to kindergarten.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	<p>Vision screenings were held in conjunction with 36 different kindergarten roundups this fiscal year. KidSight follow-up staff has begun to collaborate with school nurses to complete follow up on children who have required referral.</p>
<p><b><u>Objective 4</u></b></p> <p>Electronically upload child vision screening results for Iowa students entering kindergarten into IRIS.</p>	<p>Iowa KidSight Office Staff and IDPH IRIS Staff</p>	<p>Process implemented by May 1, 2018</p>	<p><b>Subsequent to trials by IDPH staff, Iowa KidSight began uploading child vision-screening results into IRIS on June 28, 2018. Results for the past year have been uploaded, and a process is in place for monthly upload going forward.</b></p>
<p><b><u>Objective 5</u></b></p> <p>Support coordinated community-based services and follow up.</p>	<p>Lions Club Volunteers and Iowa KidSight Office Staff</p>	<p>On-going throughout year.</p>	
<p>Activity 1:</p> <p>Send written or electronic communication to each Early Childhood Iowa area to update them on the Iowa KidSight program, describing how free vision-screening sessions are conducted, how to request a screening and ways Iowa KidSight can communicate local screening activity.</p>	<p>Program Manager</p>	<p>February 28, 2018</p>	<p>Letters mailed September 20, 2017.</p>

<p>Activity 2:</p> <p>Include a list in referral packets with contact information of local optometrists and ophthalmologist who provide care to infants and young children.</p>	<p>Program Assistants</p>	<p>On-going throughout year.</p>	<p>A list of optometrists and ophthalmologists practicing in the county the child lives in, and surrounding counties, that includes address and phone number is generated and included in each referral packet.</p>
<p>Activity 3:</p> <p>Record follow-up results to ensure screening reliability and validity, and to ensure that all possible measures were taken to prevent any obstacles for families in seeking follow-up care.</p>	<p>Follow-Up Coordinators, Program Assistants and Photo Interpreter</p>	<p>On-going throughout year.</p>	<p>Examination results were recorded into the KidSight database. Follow-up logs were scanned into electronic storage as well.</p>

Active Iowa KidSight Volunteers 7-1-2017 to 6-30-2018

