



“Your Vision is Our Vision”



“A District Vision for Eye Care”

Presented in Nanaimo SD 68

September 2015

Goal

- For the School District to endorse the Clubs initiative
- To make a joint School District and Lions partnership Project
- To strategically and collaboratively work with the Lions clubs of Nanaimo and region to facilitate early access to the SPOT screeners by students in the education system commencing this Fall.

A Lions Tradition Carrying On

- Helen Keller referred to Lions as Knights of the Blind
- Ongoing Lions investment in support for eye glasses
- Lions oversees investment in supporting vision in third world countries
- Lions on going support for vision screening

Vision Screening in 2015

- Children's vision problems are preventable
- CDC identified millions of children not receiving 11 basic health care needs, vision being one of these
- In 2009-10, 22% of children at age 5 had never had a vision check
- By early intervention, 6 months to 6 years, it is possible to intervene and prevent Amblyopia

Lions History in screening

- US Lions currently screening 500,000 children a year
- January of 2014 US International Past Presidents made “**Kidsight USA**” a signature project
- August of 2014 passed final vote
- October of 2014 it was formally announced to joint Canadian/US club Presidents

Welch Allyn as partners

- In October of 2014 announced its support and provided a major grant to Lions International
- Along with its announcement Welch Allyn acquired proprietary rights to the SPOT vision screener VS 100 (from Paediavision)
- Canadian partners for BC are **Dave Heel**, Western Manager of Welch Allyn

SPOT VS 100 Screener

- Handheld instrument
- No hands on with children, done from 3 feet away
- Allows for sight and sound features for children
- Captures data in seconds
- Allows for uploading names and birthdates and downloading results with stick and printing with Wifi printer

SPOT SCREENER

- https://www.youtube.com/watch?v=jLtLe-u_jjY



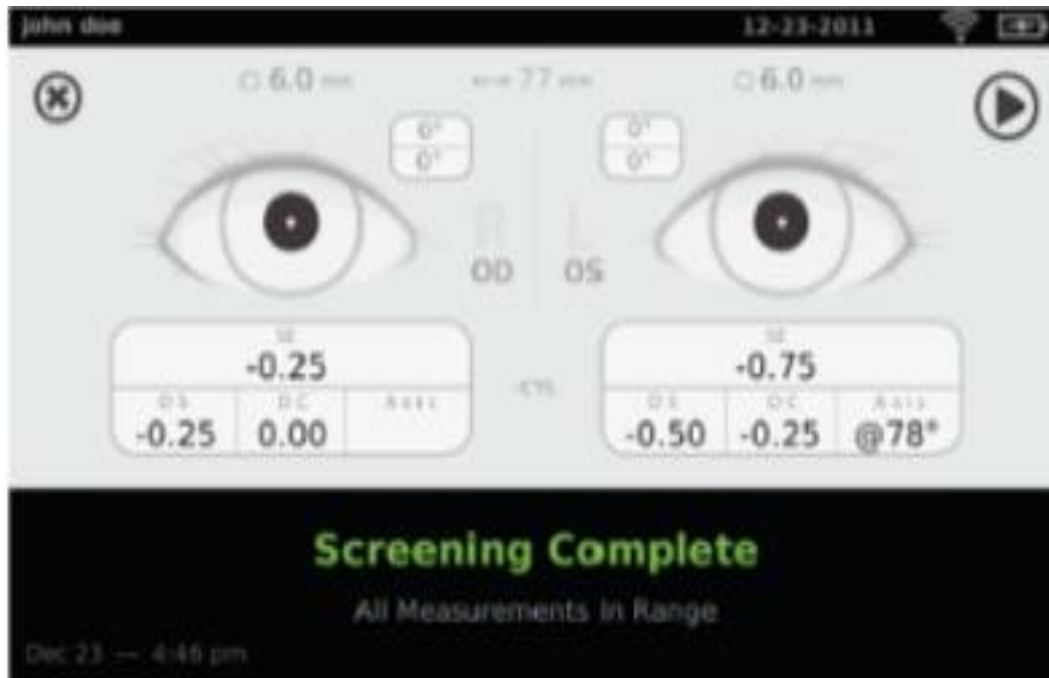
Palmetto Study

- Palmetto Elementary, Florida, serving grades pre-K to 5 with a student population of 795.
- “evidence that reveals vision changes occur the most between the ages of 11-14”¹
- In the past, to screen a school of Palmetto’s size **takes 3 days and 4-5 screeners.**
- “more than 500 of its students were selected for eye examinations.”

1 . Zabba, Joel N. “Children’s Vision Care in The 21st Century & Its Impact On Education, Literacy, Social Issues, & The Workplace: A Call To Action .” Journal of Behavioral Optometry (2011).

Palmetto Study

- **Spot** screens subject from 3 feet away, capture time of 1 second and delivers immediate, comprehensive and objective results on an easy to read touchscreen.



Palmetto Study

- **537** students screened, 148 referred for follow-up care, just over the one in four national average.²
- 55 already owned glasses, leaving **93** students recommended for follow-up care.
- Myopia, (nearsightedness) 48% + of the referrals, Astigmatism (blurred vision) 37% of the referrals .
- ***Spot*** was able to identify students missed in prior years or not obtained follow-up care from previous screenings.

Palmetto Study



Palmetto Study

- **Post Observations:**
- “One teacher, of an autistic student who now wore glasses, stayed in her seat and kept working, came into the office in tears, she was so grateful,” said Miranda(Principal).“
- “the number of students being referred to the front office for disciplinary reasons from last year to this year has **decreased by 60 percent!**”

Accurate detection With SPOT Vision Screener

- Spot accurately detects the potential indication of these common [vision problems](#):
 - Myopia (nearsightedness)
 - Hyperopia (farsightedness)
 - Astigmatism (blurred vision)
 - Anisometropia (unequal refractive power)
 - Strabismus (eye misalignment)
 - Anisocoria (unequal pupil size)

Screening on Vancouver Island

- Presently VIHA provides screening at age 4 as children go from daycare to Kindergarten
- 18% of children who pass the screening at age 5 have vision problems by 16
- 65% of special needs students have vision problems
- 80% of young offenders have vision problems
- EARLY INTERVENTION helps youth

Brianna's Story

- <https://www.youtube.com/watch?v=J5s-df-tKhE>

Port Alberni

- “Your Vision is our Vision” became an initiative of the Vision Committee in October of 2014
- Research led to choosing the SPOT Screener as a tool
- Contact with Lions clubs in North Carolina and South Carolina
- Gathered data and information from Florida to California

Contacts

- Local Optometrists

“We could never cover this audience this way”

- School District –Superintendent/Board
 - Head of Special Ed
- Health
 - Local VIHA
 - Island Mgr VIHA
- Welch Allyn
 - BC Region Manager
 - Canadian Manager

VIHA Island Regional Coordinator

Helen VonBucholz

- Provided a verbal endorsement of the project
- Has provided a connection with Esther Pace who is the Central Island Coordinator
- Provided a Training Manual that can assist in the training of the Lions staff
- Has offered assistance in the training process
- Has identified a desire to work with the schools and Lions clubs to enhance health to children

Concerns being negotiated

- Number of students needing glasses or changed since kindergarten - VIHA
- Confidentiality for students and parents (School District)
- Warranty and calibration - (Welch Allyn)
- Printing (Welch Allyn)
- Follow Up (VIHA, Schools, Parents) **“We know that in similar initiatives up to 40% of referred youth do not make it to optometrists for a variety of reasons.”**

Confidentiality

- A major concern to be addressed.
- Secretary puts data onto a stick
- This provides an orderly presentation of children alphabetically
- Screening is carried out and data attached to the student in the Screener
- Stick is returned to the Secretary
- Principal deletes all data from the Screener
- School contacts parents of children needing further diagnosis (or all parents)

Zone Project

- Went to the Zone meeting in May of 2015 where it was passed as a ZONE 19-I-7 Project
- Presently 6 clubs in the Zone, Alberni, Parksville, Gabriola Island, Nanaimo, Ladysmith, Nanaimo Lioness clubs
- Clubs, both to the North in Zone 19-I-6 in Courtenay/Comox and North island and south in Zone 19-I-4 Ladysmith and Cedar, have declared interest in moving forward with this Project
- In August, 2015 it went to District 19-I and was approved as a District Project

Zone Project

Initial Presentation by Welch Allyn



Commitments

- Lions Clubs have combined to provide over \$20,000 since January of 2015
- LCIF is prepared to provide a matching grant expected in October of 2015
- Provision of 4 SPOT Screeners for Central Vancouver island
- Clubs are committed to a training process in the screeners use this Fall
- Welch Allyn is working to be sure the SPOT Screeners are available expeditiously

Comparative Pricing from the States

- School Health Hanover Park, Illinois \$7,595 US
- Steele.com St Joseph, Missouri \$7,595 US
- Med Supplier Redford, Missouri \$6,679 US
- MacGin Lombard, Illinois \$8,450 US

- **WELCH ALLYN Canada \$7,620 Can**
(distribution through TopCon)

Welch Allyn

- WA Canada is excited to partner with Lions
- Provided a fixed price for Lions **\$7620 Can**
- Need 6-8 weeks for delivery through Topcon
- Provided a SPOT Screener for District Convention and District Cabinet Mtg
- Have come to the Island for a presentation
- Have promised complete exchange in case of any problems

Trend in the USA

- California has just passed new legislation requiring Vision screening in grades K, 2, 5, and 8.
- Recognition that children's eyes are changing as they grow
- Critical age is around age 10-11
- 18% who pass at K have eye problems at age 16

SPOT on and Education

- To work with local school districts to improve access to vision care for students
- Goal to reduce the presence of problems with vision as a cause for problems with learning
- To partner with individual schools and Districts to coordinate and ensure health benefits and confidentiality for students and families



Thank You on behalf of
Nanaimo Lions Clubs and LCIF



References

- <https://www.youtube.com/watch?v=J5s-df-tKhE> (Brianna's Story)
- "Children's Vision Care In The 21ST Century & Its Impact On Education, Literacy, Social Issues, & The Workplace: A Call To Action" Joel Zaba
- <https://www.youtube.com/watch?v=BSN9198ePV0> (Seeing Eye to Eye with New Vision Screening Requirements California)