

Cover Sheet

Edward Hamilton Award

Candidate Name: Ryan Manning OD, MPH

Grade/Rank: O-5 Commander

Position Title: Chief of Optometry, PIMC

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Proposed Citation: Dr. Manning is nominated for the Hamilton Award due to his leadership in providing medically necessary contact lenses, improving optometric education, and improving access and quality of vision care to Native Americans.

Recommended by: CAPT Dawn Clary

Submit to:

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CDR Manning has dedicated himself to learning and then using that education to assist his local clinic, Phoenix area, and nationally. This is seen through his post-doctoral Masters in Public Health and multiple diplomates and board certifications. He has used this knowledge to increase local clinic efficiency, improve IHS optometric education, and create a novel medically necessary contact lens program. He has also served in numerous leadership roles in the commissioned corps and OPAG while also impacting the nation through deployments.

CDR Manning began his military career serving eight years with the US Navy and Marine Corps. During his time in San Diego, he created a shipboard program to provide eye care, specialized in low vision and contact lenses for the region, and worked on LASIK research with the Navy refractive surgery center San Diego. During this time Dr. Manning developed a passion for continuing education.

Dr. Manning has sought out and obtained multiple degrees and board certifications. He started with obtaining his fellowship in the Academy, but then went further to obtain diplomate status in the Academy's public health section. He also obtained a Master of Public Health from Salus University and assisted with the National IHS Eye Report 2013 through the creation of a pilot study. Dr. Manning has also received board certifications from the AOA and ABCMO. On a national level, he has served as membership chair of the vision section of APHA and on the National Countermeasures Injury Compensation panel.

While serving as chair of OPAG during a time of change, he helped revise the bylaws to bring them into alignment with the HSO bylaws. As awards chair, he created the Hatch Jr. OD award and the Optometry Student Award to increase retention and recruitment of young OD's into IHS optometry. In AFOS and HSO PAC he has served in the awards committees as reviewer for the last 8 years.

CDR Manning has deployed multiple times recently. He was deployed in conjunction with RDF-3 to assist the Remote Access Medical (RAM) mission in Chattanooga, TN. As an active part of the eye care team, they were able to perform 260 vision evaluations and dispense 272 pair of glasses to those in need. For the outstanding service provided, the team was awarded the AMSUS Humanitarian Award for 2017. CDR Manning was recruited shortly after to the RIST 9 team. With this team he was deployed in a federal leadership role to assist with the federal response in the Mass Casualty Drill 2018. Then shortly afterwards was deployed to assist the regional emergency coordinator (REC) in response to the California wildfires of 2018. The wildfires were the worst in state history, but loss of life was greatly minimized due to the efficient public health response at the state and federal level.

Dr. Manning currently is the chief of PIMC optometry, supervising seven optometrists, which serves five different clinical locations. He has increased its clinical efficiency. This is noted by the optometry clinic seeing 2,000 more patients from 2016 to 2017. This is a 20% increase of overall optometry productivity (including field clinics) and a 40% increase in patient encounters in the optometry clinic at PIMC from the previous year. This was performed through changing the providers schedule and incorporating student intern schedules with their proctoring doctors. He also streamlined the hiring process for optometrists. The average time to replace a provider

had been 6-9 months. The last provider was hired within seven weeks of the previous providers departure. Dr. Manning has served as intern preceptor and adjunct professor for the following schools: Midwestern University, Southern College of Optometry, Houston College of Optometry, Salus University, Berkley University, and Southern College of Optometry. In this responsibility, he has mentored over 25 fourth year students.

In December 2015, CDR Manning drafted policy and obtained approval through administration for a new contact lens program for PIMC. It would assist a very select patient population. Dr. Manning formulated the eye disease criterion to qualify for the program. This program had significant oversight and allows for the fitting and ordering of medically necessary contact lenses for those who qualify for the program after review by a separate eye professional. Because of the relatively low cost of the program, PIMC was able to purchase the contact lenses for these select individuals. Along with the proposal, he created a database to track the lenses and the cost. He then trained support staff to be able to order the lenses and basic care of lenses. Dr. Manning then coordinated with outside service units, acting as a referral source for patients seen in other IHS eye clinics within the Phoenix Area. This was the first and only clinically funded program in the IHS of this magnitude. The regional scope and the ability to provide for these visually impaired patients without having to seek outside resources is what makes this program unique. To date there have been over 250 contact lens fittings. With a small spending budget of only \$34,000 over the last 3 years.

He has expanded the medically necessary contact lens program through purchase of a specialty contact lens fitting set for scleral lenses, which increased the ability to fit patients with corneal dystrophies and diseases. This complex contact lens is used also to treat severe dry eye patients where all other treatments have failed. Outside providers charge patients up to \$2,000 for the fitting and dispensing of these lenses. The cost to PIMC is \$300 for each patient. The savings from just these 12 fittings, with this type of lens is over \$20,000.

In 2018 Dr. Manning planned and coordinated the first Optometry technician conference held at the Phoenix Indian Medical Center. Three of the courses were presented by Dr. Manning. This conference provided 9 hours of education over a two-day span. The entire conference was put on with no charge to the Phoenix Area or the technicians. The conference drew 28 IHS optometric technicians from the Phoenix, Navajo, Albuquerque area and 5 different states. When reviewed, 100% reported they would recommend the conference to co-workers. And 93% reported that it was the better than any other IHS tech conference they had been to before.

Through his high quality and initiative in leadership over his diverse career, Dr. Manning has impacted his local clinic, Phoenix Area, and IHS nationally through his deployments. Dr. Manning is nominated for the Hamilton Award due to his leadership in providing medically necessary contact lenses, improving optometric education, and improving access and quality of vision care to Native Americans.