

# ~2014 Wisconsin Water Warrior Results~

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We had another great year for participation in the Wisconsin Water Warrior swim this year. The 2-week swim challenge (14 consecutive days) took place between November 1<sup>st</sup> and December 31<sup>st</sup> of 2014. The goal was to challenge yourself and swim as much as you can for the 2-week period. We had 6 new USMS participants to join in on the fun this year: **Karen Kimple, Jennifer Gruenewald, John Olson, Tim Potter, Jennifer May and Carl Whitney**. Welcome aboard!

We had 36 swimmers participate with a total of total of 1,584,519 yards...that is 900 miles in 2 weeks, with an average of 36,012 total yards (20.5 miles). There were more women (61%) this year (which has been the case since I took over this event in 2010). The majority of the swimmers (61%) started the swim in December. The average age was 57 years of age (the youngest was 24 years old and the oldest was 83 years old). Happy to report we had our two swimmers from the 80+ age again, Fred Salzmänn swam 40,100 yards and Lois Goddard swam 15,700 yards. Congratulations to both!

The largest age group was the 55-59 year old swimmers with a total of 7 swimmers (20%). Dave Clark from Whitefish Bay was the top male swimmer with 87,815 yards and I was the top female swimmer with 149,000 yards. We both improved our distance from last year. For those that participated in both 2013 and 2014, only 6 (25%) swimmers decreased their distance (while the remaining 75% increased their distance from last year).

The results in yards are as follows: **Men: 45-49:** 1<sup>st</sup> Dan DeWeerd (44,325); **50-54:** 1<sup>st</sup> Carl Whitney (55,500); **55-59:** 1<sup>st</sup> Dave Clark (87,815), 2<sup>nd</sup> Tim Potter (38,000), 3<sup>rd</sup> Gus Robledo (34,000); **60-65:** 1<sup>st</sup> Dennis Olsen (77,350), 2<sup>nd</sup> Steve Justinger (55,500), 3<sup>rd</sup> Robert Gebert (50,050), 4<sup>th</sup> Albert Schmidt (31,714); **65-69:** 1<sup>st</sup> Richard Barry (39,800), 2<sup>nd</sup> Greg Hollub (39,450); **70-74:** 1<sup>st</sup> John Olson (39,000), 2<sup>nd</sup> James Arnold (21,000); **80-84:** 1<sup>st</sup> Fred Salzmänn (40,100)

**Women: 20-24:** 1<sup>st</sup> Molly Woodford (49,100); **35-39:** 1<sup>st</sup> Stacey Kiefer (19,100); **40-44:** 1<sup>st</sup> Amy Johnson (43,744), 2<sup>nd</sup> Katy Sommer (30,137); **45-49:** 1<sup>st</sup> Melodee Nugent (149,000), 2<sup>nd</sup> Jennifer May (50,000), 3<sup>rd</sup> Debbie Katzman (45,450), 4<sup>th</sup> Melissa Vandenhouten (36,000), 5<sup>th</sup> Renee Scherck-Meyer (17,300); **50-54:** 1<sup>st</sup> Margaret Keller (49,700), 2<sup>nd</sup> Karen Kimple (41,925), 3<sup>rd</sup> Jennifer Gruenewald (30,250), 4<sup>th</sup> Cheryl Drury (29,175); **55-59:** 1<sup>st</sup> Ann Berres-Olivotti (70,100), 2<sup>nd</sup> Katy Mering (57,750), 3<sup>rd</sup> Melinda Mann (41,400), 4<sup>th</sup> Julie Van Cleave (39,575); **60-64:** 1<sup>st</sup> Mary Schneider (27,150); **65-69:** 1<sup>st</sup> Candy Christenson (38,400), 2<sup>nd</sup> Jeanne Seidler (36,509), 3<sup>rd</sup> Nancy Kranpitz (16,450); **80-84:** 1<sup>st</sup> Lois Goddard (16,600)

Awards have yet to be determined, but will be awarded at the Wisconsin State Meet that will be held at Schroeder on March 28-29, 2015.

## Another Statistics Course

**Statistics 101: I now have 5 years of data to analyze since I took over this event. With a total of 171 entries for the 5 years, we can look at some interesting outcomes:**

**Since results are separated by gender, I wanted to see if the males or females swam more each year. I did this last year too, but thought since we have another year of data, we might see a difference. Figure 1 is a box plot of total miles swam in 2-weeks by gender for each year that I have data, 2010 to 2014. The colored bar represents 50% of the population and the line in the box shows the median. The median is the value that**

divides the upper half from the lower half. For example: 1,2,3,4,5 - the median is 3 because 1,2 are the lower half and 4,5 are the upper half. The lines extending out from the bars include 95% of the population. The o and \* are the outliers, those that fall out of this range.

Again, there was no statistical difference with comparing gender distances swam by year. Even though there looks like there may be differences, they were not statically different. This means that if you tested this 100 times, 95% of the time there would not be a difference (the remaining 5% of the time would mean they were statically significant). Please note that swimmers can be counted multiple times if they participated more than once over the 5 years.

Figure 1

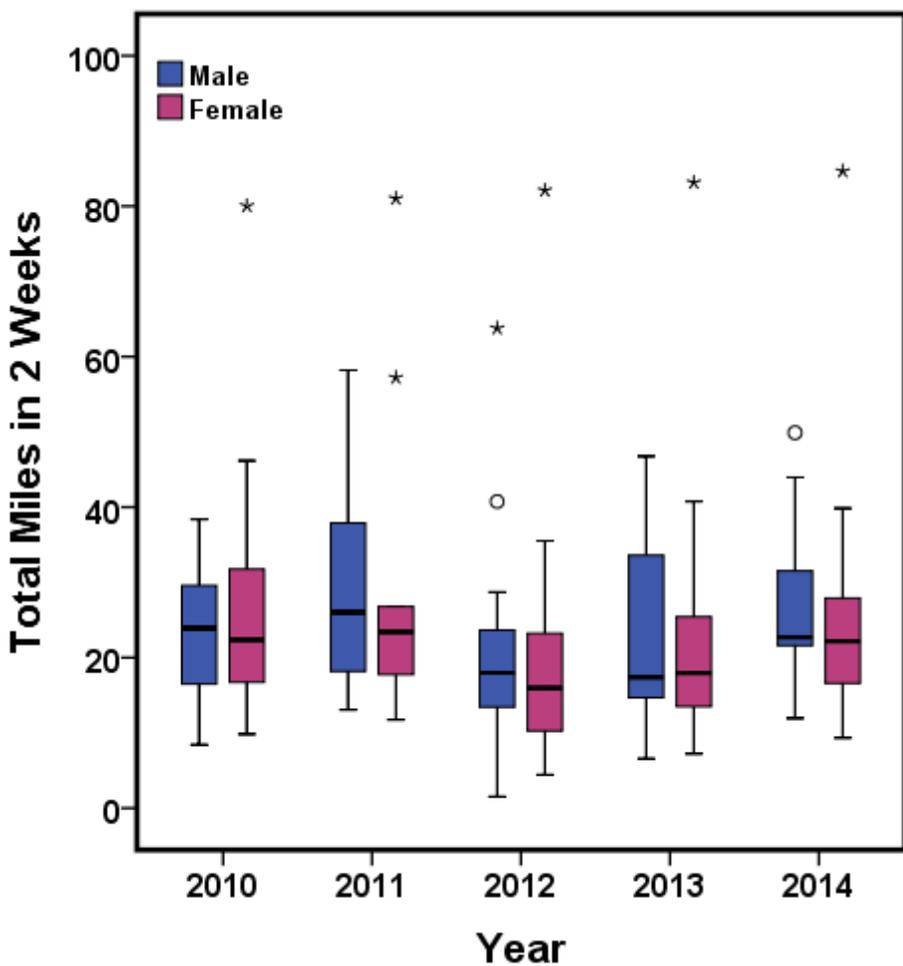


Figure 2

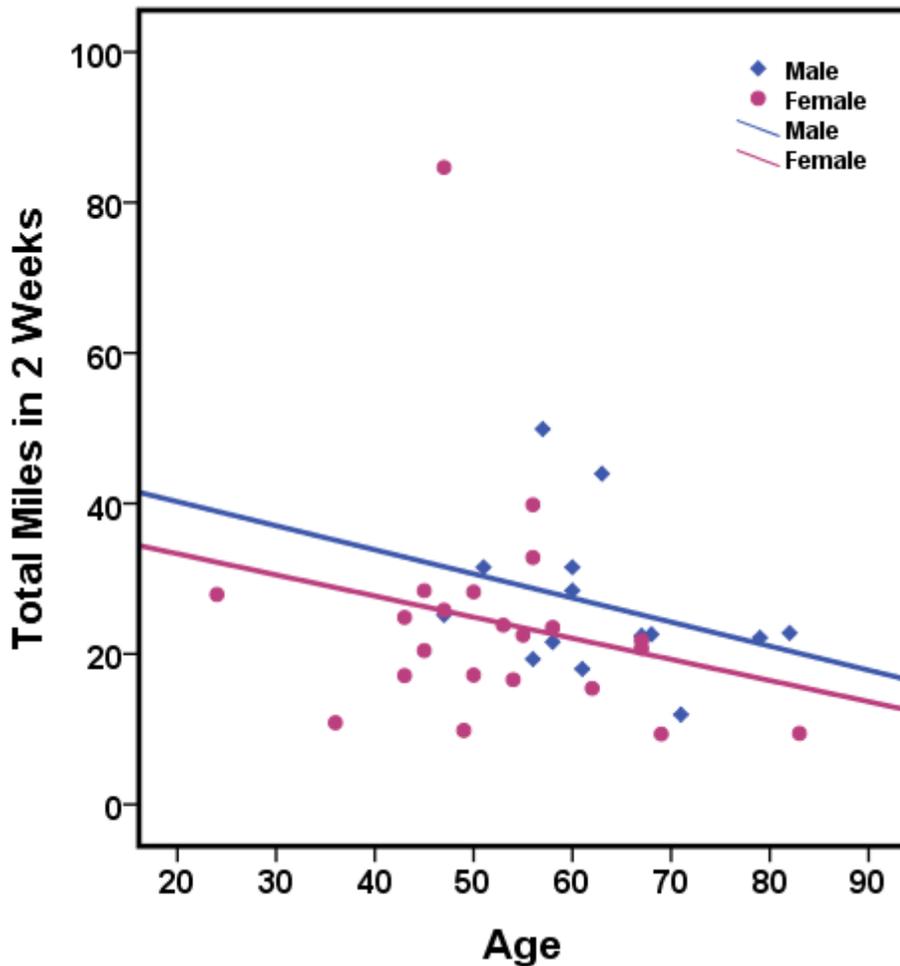


Figure 2 is called a scatterplot for the year 2014 only. One axis shows the Total Miles in 2 weeks and the other axis represents Age. This is also shown by gender. When there are many dots, it might be hard to identify an individual, but because I have the data, I can spot out myself easily because I am 47 years old and swam the most miles for 2014, 84.7 miles. The lines for the male and female show the relationship of their age and the number of miles they swam in the 2 weeks. This year, the results are parallel with the males and females having a similar decrease in miles swam as they age and the males swam more distance by age than females.

**Figure 3**

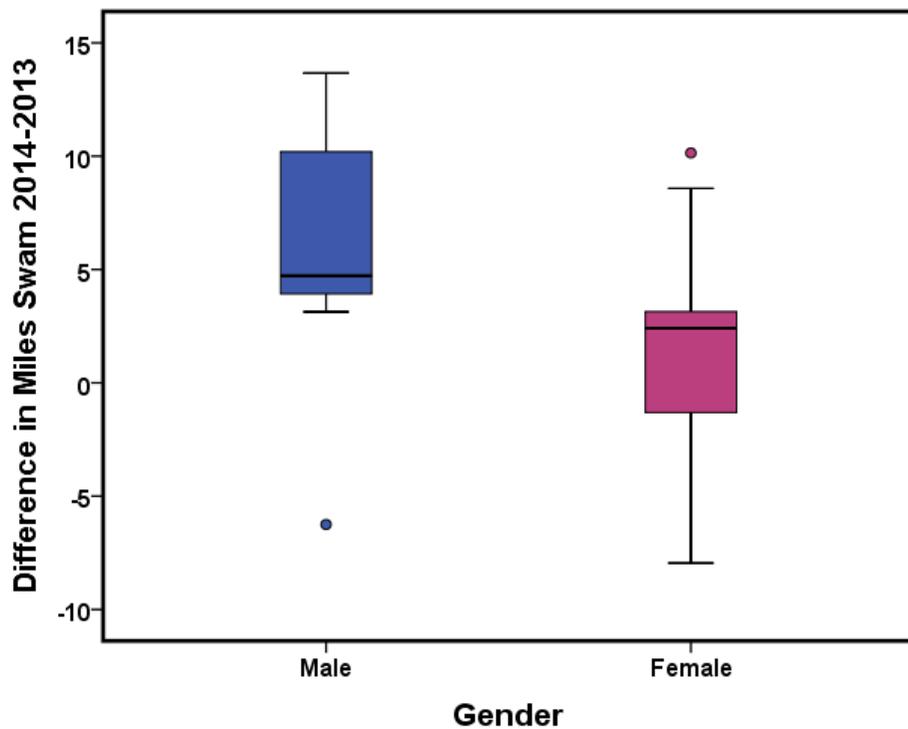


Figure 3 shows the difference in distance swam for those swimmers that swam in both 2013 and 2014. There was a statistical difference as you can see; the 7 males had a higher median difference 4.7 miles (range -6 to 14) versus the 17 females with a median difference of 2.4 miles (range -8 to 10). The females had less difference in miles swam from 2013 to 2014 than males.

If you have any other questions that you want me to address with the data, just let me know.