



**Mark M Dolan, MD**  
**Northwestern Orthopaedic Institute**  
**680 Lake Shore Drive, Suite 924**  
**Chicago, IL 60611**  
**P: 312-664-6848 Fax: 866-455-2319**

### **Hip Resurfacing Results:**

The following data is from the 2008 publication of the *Australian Orthopaedic Association National Joint Registry*. This is the largest source of information comparing total hip replacement (THR or conventional) with hip resurfacing arthroplasty (HRA), as both procedures have been in use in Australia for approximately 7 years.

A registry means that it encompasses information about every hip arthroplasty procedure performed in this country, with mandatory reporting from its surgeons (the USA does not have a registry!!). Furthermore, any patient requiring a revision operation is also included (unless they had the procedure done in another country). This provides a large amount of information that can be analyzed for many different variables.

However, please keep in mind that the registry does not report statistics on dislocation, which is a more common complication after total hip replacement, generally reported to be between 1-2% of patients.

<b>Yearly Cumulative Percent Revision by Age and Gender</b>				
Australian National Joint Replacement Registry (2008)				
<b>Men (Resurfacing vs. Conventional THR)</b>				
Age	1 Year	2 Year	3 Year	5 Year
<55	1.2	1.6	1.7	2.2
	1.0	1.4	1.7	2.5
55-64	1.6	2.0	2.2	2.5
	1.2	1.7	2.1	2.8
≥65	3.1	3.3	3.6	4.7
	1.0	1.4	1.8	2.6
<b>Women (Resurfacing vs. Conventional THR)</b>				
Age	1 Year	2 Year	3 Year	5 Year
<55	1.9	2.7	3.2	5.2
	1.3	2.0	2.5	3.6
55-64	2.3	3.5	4.7	8.0
	1.1	1.7	2.2	3.0

≥65	3.7	4.8	7.6	9.2
	1.2	1.6	2.0	2.5

This table shows the revision rates for THR and HRA stratified by gender and age. The first point to notice is that revision rates for both procedures is extremely low – that is, most patients do very well. The second point to notice is that there is a difference between men and women and between younger and older patients.

The take home message from these tables are the following:

1. Women have a higher revision rate with hip resurfacing than men.
2. Younger patients have lower revision rates with hip resurfacing than older patients.
3. For men under the age of 65, there is actually a lower revision rate for hip resurfacing at 5 years than a conventional THR.
4. For women, there is a higher revision rate for resurfacing as compared to conventional THR at every time point collected by the registry.

Because of these issues and many others, determining what type of hip replacement surgery to have can be a challenging task and should be undertaken in consultation with your surgeon.

Dr. Dolan believes in individualizing patient care and is happy to discuss these issues with you during your visit.