DDH diagnoses associated with neuromuscular diseases and congenital anomalies were excluded.

** Patients born before 1999 or after 2010 were excluded.

*** Patients with three or more orthopedic visits for DDH were included.

**** Surgeries with ICD-9 procedure codes 77.25, 77.35, 77.39, 78.25, 79.75, 79.85, 81.40, or 83.12 were included.

***** The first surgery of patients who underwent one or more surgeries for DDH was recorded.

****** Patients who underwent their first surgery before 6 months or after 5 years of age were excluded.

Appendix 1

* Flow diagram of study inclusion and exclusion criteria

1. Inpatient Database from 1999 to 2015
   - ICD-9: 754.3 *
   - Birth year 1999-2010 **
   - 2,718 hospitalizations
   - Surgery for DDH ****
      - 1,763 surgeries
   - With surgery for DDH *****
      - 1,343 children

2. Outpatient Database from 1999 to 2015
   - ICD-9: 754.3 *
   - Birth year 1999-2010 **
   - 50,549 claims
   - ≥ 3 visits for DDH ***
      - 3,682 children
   - With surgery for DDH *****
      - 35 children

3. Inpatient and outpatient data reconciled ******
   - 1,296 children