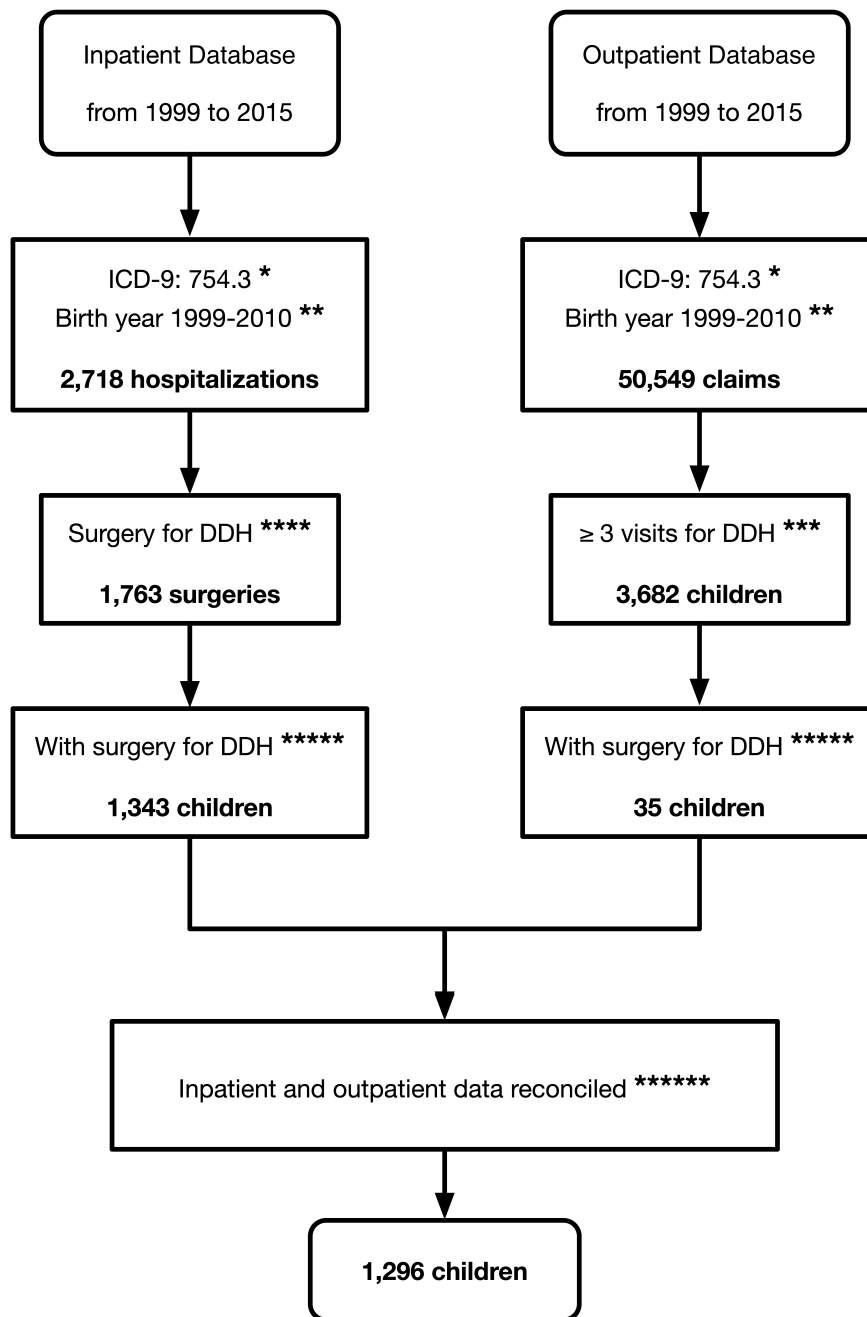


This content was supplied by the authors as supporting material and has not been copy-edited or verified by JBJS.

# Appendix 1

## Flow diagram of study inclusion and exclusion criteria



\* 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.