what would be a predicted psi when a foley cath is inserted in a normal healthy patient

If you mean **bladder (intravesical) pressure** measured through a Foley catheter in a normal, healthy, non-distended bladder, a typical resting value is roughly **5–15 cmH2O** (about **4–11 mmHg**). It rises normally with filling and can transiently exceed that during coughing, straining, or voiding.

If you mean **intra-abdominal pressure (IAP)** measured via the Foley catheter, the usual normal range is about **0–7 mmHg** (roughly **5–9 cmH2O**); values above 12 mmHg define intra-abdominal hypertension, and above 20 mmHg with organ dysfunction suggests abdominal compartment syndrome.

Important distinction

A Foley catheter itself does not create or "have" a PSI. It drains urine, and pressure depends on:

- Whether the bladder is empty, normally filled, or overdistended
- Abdominal muscle tone, obesity, coughing, or straining
- Whether the tubing/system is open to drainage or clamped for measurement
- The measurement technique (transducer zeroed at the pubic symphysis, patient supine, etc.)

For a healthy patient with an unclamped Foley draining freely, the pressure at the catheter tip is generally very low—often near zero relative to atmosphere—because urine drains rather than accumulating.

Practical interpretation

Measurement	Typical normal range
Resting intravesical/bladder pressure	~5–15 cmH2O
Intra-abdominal pressure via Foley	~0–7 mmHg
Foley draining freely	Often near atmospheric / very low pressure

A Foley is commonly used for drainage and urine-output monitoring; the retention balloon is typically inflated with sterile water after confirming placement, usually about 10 mL for a standard adult catheter unless the device specifies otherwise. [1] [2]

If you're asking because you saw a pressure reading on a monitor or urodynamic study, tell me the units and whether it was bladder pressure, abdominal pressure, or irrigation pressure—I

can help interpret it.

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1. https://www.ncbi.nlm.nih.gov/books/NBK539839/
2. https://cdn.dal.ca/content/dam/dalhousie/pdf/faculty/medicine/departments/department-sites/urology/ClinicalClerkshipBook/Foley_POM.pdf
3. https://www.careoxy.com/blog/foley-catheterisation
4. https://www.brooklynentdoc.com/patient-education/health-library?DOCHWID=zm2412
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6. https://www.aidstat.com/foley_catheter_size_calculator
7. https://www.yinuomed.net/news/pvc-vs-silicone-foley-catheter-comparison.html
8. https://www.cliffsnotes.com/study-notes/27702850
9. https://www.scribd.com/document/537779656/LECTURETTE-Foley-catheter
10. https://bepls.com/spl_(2)_2023/63.pdf