

Supplementary Appendix 3. Tonelli et al. measure observations

As Tonelli et al. (2015) did not identify appropriate algorithms for all 40 conditions included in the Barnett et al. (2012) measure, the final list included 30 conditions, equating to 27 of the 40 (plus two additional cancer algorithms plus peptic ulcer disease). The 13 conditions not included in the Tonelli measure were:

- Anorexia or bulimia
- Anxiety disorders
- Blindness
- Bronchiectasis
- Chronic sinusitis
- Diverticulosis
- Treated dyspepsia
- Glaucoma
- Hearing loss
- Learning disability
- Migraine
- Non-alcohol drug misuse
- Prostate disorders

In addition, there were also some differences in the specific conditions included:

| Barnett condition | Tonelli condition |
|---|---|
| Chronic liver disease | Cirrhosis and hepatic decompensation |
| Coronary heart disease | Myocardial infarction |
| New diagnosis of cancer in last five years | Cancer, lymphoma |
| | Cancer, metastatic |
| | Cancer, non-metastatic (breast, cervical, colorectal, lung, prostate) |
| Psoriasis or eczema | Psoriasis |
| Rheumatoid arthritis, other inflammatory polyarthropathies & systematic connective tissue disorders | Rheumatoid arthritis |
| Schizophrenia (and related non-organic psychosis) or bipolar disorder | Schizophrenia |
| Thyroid disorders | Hypothyroidism |
| Viral Hepatitis | Chronic viral hepatitis B |
| Not included in Barnett measure | Peptic ulcer disease |