**Appendix**

**Selection criteria**

**Databases**: Pub Med, Scopus, Web of Science

**Fields**: title, abstract

**Inclusion criteria:**

Australian health system (Population), Preconditions (Phenomena of Interest), Managed competition (Context)

**Years**: 2000-2023

**Language**: English

**Type of study**: qualitative, quantitative, mixed-method peer reviewed articles; books; grey literature

**Search strategy**

**Table 1A:** Search strategy

|  |
| --- |
| **PubMed** |
| (Australian health system[Title/Abstract] OR Australian healthcare system[Title/Abstract] OR Australian health care system[Title/Abstract]) AND (Reform\*[Title/Abstract] OR Polic\*[Title/Abstract] OR Challeng\*[Title/Abstract] OR Problem\*[Title/Abstract] OR Limit\*[Title/Abstract] OR Limitation\*[Title/Abstract] OR Issue\*[Title/Abstract] OR Barrier\*[Title/Abstract] OR Opportunit\*[Title/Abstract] OR Strength\*[Title/Abstract] OR Solution\*[Title/Abstract] OR Basic benefit package[Title/Abstract] OR Out-of-pocket[Title/Abstract] OR OOP[Title/Abstract] OR Conflict of interest[Title/Abstract] OR Consumer choice[Title/Abstract] OR Consumer information[Title/Abstract] OR Market transparency[Title/Abstract] OR Risk-bearing[Title/Abstract] OR Contestable markets[Title/Abstract] OR Contract\*[Title/Abstract] OR Integration[Title/Abstract] OR Competition regulation[Title/Abstract] OR Cross-subsidies[Title/Abstract] OR Risk Selection[Title/Abstract] OR Free riding[Title/Abstract] OR Quality supervision[Title/Abstract] OR Access[Title/Abstract]) AND (Managed competition[Title/Abstract] OR Competition[Title/Abstract] OR Private health insurance[Title/Abstract] OR PHI[Title/Abstract] OR Insurance[Title/Abstract] OR Financing[Title/Abstract] OR Private[Title/Abstract] OR Hybrid\*[Title/Abstract] OR Public-private mix[Title/Abstract]) |
| **Web of Science** |
| TS=((( australian health system ) OR ( australian healthcare system ) OR ( australian AND health AND care AND system ) ) AND ( ( reform\* OR polic\* ) OR ( challeng\* ) OR ( problem\* ) OR ( limit\* ) OR ( limitation\* ) OR ( issue\* ) OR ( barrier\* ) OR ( opportunit\* ) OR ( strength\* ) OR ( solution\* ) OR ( basic AND benefit AND package ) OR ( out-of-pocket ) OR ( oop ) OR ( conflict AND of AND interest ) OR ( consumer AND choice ) OR ( consumer AND information ) OR ( market AND transparency ) OR ( risk-bearing ) OR ( contestable AND markets ) OR ( contract\* ) OR ( integration ) OR ( competition AND regulation ) OR ( cross-subsidies ) OR ( risk AND selection ) OR ( free AND riding ) OR ( quality AND supervision ) OR ( access ) ) AND ( ( managed AND competition ) OR ( competition ) OR ( private AND health AND insurance ) OR ( phi ) OR ( insurance ) OR ( financing ) OR ( private ) OR ( hybrid\* ) OR ( public-private AND mix ) ) ) |
| **Scopus** |
| TITLE-ABS-KEY ( ( australian AND health AND system ) OR ( australian AND healthcare AND system ) OR ( australian AND health AND care AND system ) ) AND TITLE-ABS-KEY ( ( reform\* OR polic\* ) OR ( challeng\* ) OR ( problem\* ) OR ( limit\* ) OR ( limitation\* ) OR ( issue\* ) OR ( barrier\* ) OR ( opportunit\* ) OR ( strength\* ) OR ( solution\* ) OR ( basic AND benefit AND package ) OR ( out-of-pocket ) OR ( oop ) OR ( conflict AND of AND interest ) OR ( consumer AND choice ) OR ( consumer AND information ) OR ( market AND transparency ) OR ( risk-bearing ) OR ( contestable AND markets ) OR ( contract\* ) OR ( integration ) OR ( competition AND regulation ) OR ( cross-subsidies ) OR ( risk AND selection ) OR ( free AND riding ) OR ( quality AND supervision ) OR ( access ) ) AND TITLE-ABS-KEY ( ( managed AND competition ) OR ( competition ) OR ( private AND health AND insurance ) OR ( phi ) OR ( insurance ) OR ( financing ) OR ( private ) OR ( hybrid\* ) OR ( public-private AND mix ) ) |
| **Google** |
| **Advance search with all the words:** Australian health system AND managed competition AND preconditions  **Years**: 2000-2023 |

**Study selection**

Studies identified in the search were collated and deduplicated in EndNote X9. Other relevant studies were added through a back and forward snowballing search or manually, including peer review articles, books, and grey literature, as described in Table 2A. Title and abstract, and full-text screening were completed independently by CB, and PAP. Any conflicts which occurred during screening and selection were resolved by consensus with JH.

**Table 2A:** Study selection

|  |  |  |  |
| --- | --- | --- | --- |
| **Database** | **Total**  **studies** | **Selected studies** | **Included paper according selection criteria** |
| PubMed | 36 | 0 | None |
| Scopus | 663 | 4 | Eldridge, D. S. et al (2017)  Fouda, A., et al. (2017)  García-Goñi et al (2018).  Paolucci, F. et al. (2018) |
| Web of Science | 430 | 3 | Eldridge, D. S. et al (2017)  Fouda, A. et al (2017)  García-Goñi et al(2018) |
| Snowballing | 122 | 7 | Doiron, D., & Kettlewell, N. (2018)  Rana, R. H., et al (2020)  Van de Ven, W. P. M. M. et al. (2013)  Bevan, G. and Van De Ven, W. P. M. M. (2010)  Enthoven, A. (1988)  Enthoven, A. (1978)  Whitty, J. A., & Littlejohns, P. (2015) |
| Google Scholar | First 100 results | 8 | Duckett, S. and Willcox, S. (2015)  Van de Ven, W. P. M. M. et al. (2013)  Van de Ven, W. et al. (2022).  Willcox, S. (2005)  Donato, R. and Onur, I. (2018)  Duckett, S. (2018)  Vaikuntam, B. P. et al (2020) |
| Manually added  (peer-reviewed) |  |  | Anderson, M., & Mossialos, E. (2022)  Doiron, D., & Kettlewell, N. (2018)  Hall, J. (2010)  Henriquez, J. et al. (2019)  Kim, H. et al. (2021)  Van Kleef, R., & McGuire, T. G. (2018)  Crowe, S. et al. (2011).  Shamsullah, A. (2011) |
| Manually added (books) |  |  | Duckett, S. and Willcox, S. (2015)  Palmer, G. and Short, S. (2014) |
| Manually added.  (grey literature) |  |  | ABS (2019)  ACCC (2020)  ACSQHC (2021)  AIHW (2017)  AIHW (2018)  AIHW (2019)  AIHW (2021)  AIHW (2022a)  AIHW (2022b)  AIHW (2022c)  AIHW (2022d)  AMA Research and Reform Unit (2021)  APRA (2020)  APRA (2021)  APRA (2022a)  APRA (2022b)  APRA (2022c)  Biggs, A. (2016)  Biggs, A. (2017)  Bloom, A. L. (2002)  Commonwealth Ombudsman (2021)  Department of Health and Aged Care (2021)  Department of Health and Aged Care (2023)  King, D. (2022).  McAuley, I. (2008).  NHHRC (2009)  NSW Health (2021)  OECD (2016)  OECD (2021)  OECD (2022)  PC (2017)  PHA (2019)  PHIO (2020)  Street, A. et al (2007)  Tsirtsakis, A. (2022)  Freguja, C. (2023)  Stoelwinder, J. (2019)  Doggett, J., & McAuley, I. (2013)  McAuley, I., Mendaue, J. (2007)  CHF of Australia (2022)  Roy Morgan (2021)  Tuohy, C. H. (2010)  IHACPA (2022). |

**Data synthesis**

Selected references were read in full by CB and PAP and assigned for synthesis to the relevant framework preconditions (Henriquez et al., 2024). Some references were relevant and informed the synthesis of all the preconditions, as reported in Table 3A. Any conflicts were resolved by consensus with JE.

**Table 3A**: Synthesis of selected studies for each precondition informed by Henriquez (2022).

|  |  |  |
| --- | --- | --- |
| **Precondition** | **Studies contributing** | **Synthesis of selected studies** |
| Literature informing all the preconditions |  | **Peer reviewed:**  Anderson, M., & Mossialos, E. (2022)  Bevan, G. and Van De Ven, W. P. M. M. (2010)  Crowe, S. et al. (2011)  Doggett, J., & McAuley, I. (2013)  Enthoven, A. (1988)  Enthoven, A. (1978)  Rana, R. H., et al (2020)  Van de Ven, W. P. M. M. et al. (2013)  Van Kleef, R., & McGuire, T. G. (2018)  **Grey literature:**  APRA (2020)  APRA (2021)  Biggs, A. (2016)  Bloom, A. L. (2002)  CHF of Australia (2022)  Department of Health and Aged Care (2021)  Freguja, C. (2023)  Henriquez, J. et al. (2019)  IHACPA (2022).  King, D. (2022)  McAuley, I. (2008).  McAuley, I., Mendaue, J. (2007).  NHHRC (2009)  NSW Health (2021)  PC (2017)  Roy Morgan (2021)  Stoelwinder, J. (2019)  Tsirtsakis, A. (2022)  Tuohy, C. H. (2010) |
| Basic benefit package | n=3 | **Peer reviewed:**  Whitty, J. A., & Littlejohns, P. (2015).  Kim, H. et al. (2021)  Paolucci, et al., 2018 |
| Affordable out-of-pocket payments | n=5 | **Grey literature:**  OECD (2022)  ABS (2019)  Department of Health and Aged Care (2023)  APRA (2022a)  APRA (2022b) |
| No conflict of interest by the regulator | n=1 | **Grey literature:**  IHACPA (2022) |
| Free consumer choice of insurer | n=1 | **Peer reviewed:**  Hall, J. (2010) |
| Consumer information and market transparency | n=1 | **Grey literature:**  Biggs, A. (2017) |
| Risk-bearing buyers and sellers | n=4 | **Peer reviewed:**  Eldridge, D. S. et al (2017)  Doiron, D., & Kettlewell, N. (2018)  **Grey literature:**  APRA (2020)  AMA Research and Reform Unit (2021). |
| Contestable markets | n=8 | **Peer reviewed:**  Shamsullah, A. (2011)  Fouda, A. et al (2017)  Duckett, S. and Willcox, S. (2015)  Palmer, G. and Short, S. (2014)  **Grey literature:**  Commonwealth Ombudsman (2021)  AIHW (2019)  OECD (2016)  King, S. et al (2017) |
| Freedom to contract and integrate | n=8 | **Peer reviewed:**  Vaikuntam, B. P. et al. (2020)  Street, A. et al. (2007)  García-Goñi et al. (2018)  Paolucci, F. et al. (2018)  **Grey literature:**  PHA (2019)  PHIO (2020)  Donato, R. and Onur, I. (2018)  Willcox, S. (2005) |
| Effective Competition Regulation | n=1 | **Grey literature:**  ACCC (2020) |
| Cross-subsidies without Incentives for Risk Selection | n=3 | **Grey literature:**  Henriquez et al. (2023)  **Peer reviewed:**  Paolucci, F. et al. (2018)  van de Ven, W. et al.(2022) |
| Cross-subsidies without opportunities for free riding | n=1 | **Peer reviewed:**  Duckett, S. (2018) |
| Effective quality supervision | n=2 | **Grey literature:**  APRA (2022c)  ACSQHC (2021) |
| Guaranteed access to basic care | n=6 | **Grey literature:**  OECD (2021)  AIHW (2022c)  AIHW (2017)  AIHW (2022d)  AIHW (2021)  AIHW (2018) |