

Supplementary Materials**Supplementary Table 1:** Population, Context, Phenomena of Interest, Study Design and Time Frame

Criteria	Description
Population	Women residing in prison with their child/children
Context	Mothers and children's units in custodial settings
Phenomena of interest	Best practice models of service delivery for mothers and children Best practice principles Program aims and limitations Recommendations
Study design	Qualitative and quantitative empirical studies
Time frame	Published from 2010 until the end of April 2022

Supplementary Table 2: Summary of search strategy for electronic database searches**In text search**

(mother*) OR (mum* OR mom) OR (pregnan*)

AND

(children*) OR (bab*) OR (child*) OR (infact*) OR (Nurser*)

AND

(program*) OR (intervention*) OR (hous*) OR (service*) OR (Deliver*) OR (Nurser*) OR (unit)

AND

(prison) OR (gaol OR jail) OR (Incarcerat*) OR (imprison*) OR (custody) OR (detention) OR (inmate*)
OR (offend*) OR (correction*)**Supplementary Table 3:** Inclusion and Exclusion Criteria

Inclusion and Exclusion Criteria	
Included	Excluded
Women who reside in prison with their child	Studies published before 2010
All reported outcomes	Women in prison without their child
Published literature from 2010 onwards	Women not in prison
Publications in all languages	Pregnant women that did not give birth and reside with their infant in a prison setting
	Grey literature
	Books and theses
	Full text not available
	Reviews
	Studies without a methods section

Supplementary Table 4: M&C unit aims

Unit aims	
Reducing recidivism	(1-3) (4, 5) (6) (7)
Maternal bonding or attachment	(4, 6) (7, 8)

Improved parenting	(4, 9, 10)
Rehabilitation of the mother	(9) (11)
Improved breastfeeding outcomes	(12, 13)
Improved healthcare outcomes	(9) (7)
Improved long-term effects of nursery programs on child development and short- and long-term bi-generational outcomes	(3)

Supplementary Table 5: Admission criteria for mothers and children's units

	Criteria	Studies
Custody of child	Women must have custody of the children in order to apply for a placement	(4, 7)
Criminal history	Women must not have a history of violence including current or past offences related to violence or prior convictions of child abuse	(1-4, 7, 9, 14, 15)
	Women must not have a history of sex offences	(7)
	Women must have no outstanding warrants, no major infractions since entering the institution, no open children's protective services cases, and no history of arson	(2)
Women's mental health	Women must meet specified criteria regarding their medical and mental health status	(4, 7, 14, 16)
	Women must have no previous history of a psychotic disorder or a personality disorder	(16)
Pregnant women	Women must be pregnant and due to deliver during their sentence period	(4, 15)
	Women must have a release date within 18 months after the projected delivery date	(4)
Sentence length	Women must have a short sentence (not specified)	(11)
	Women must have a sentence less than 24 months	(1)
	Women must have a sentence of 30 months or less	(2)

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