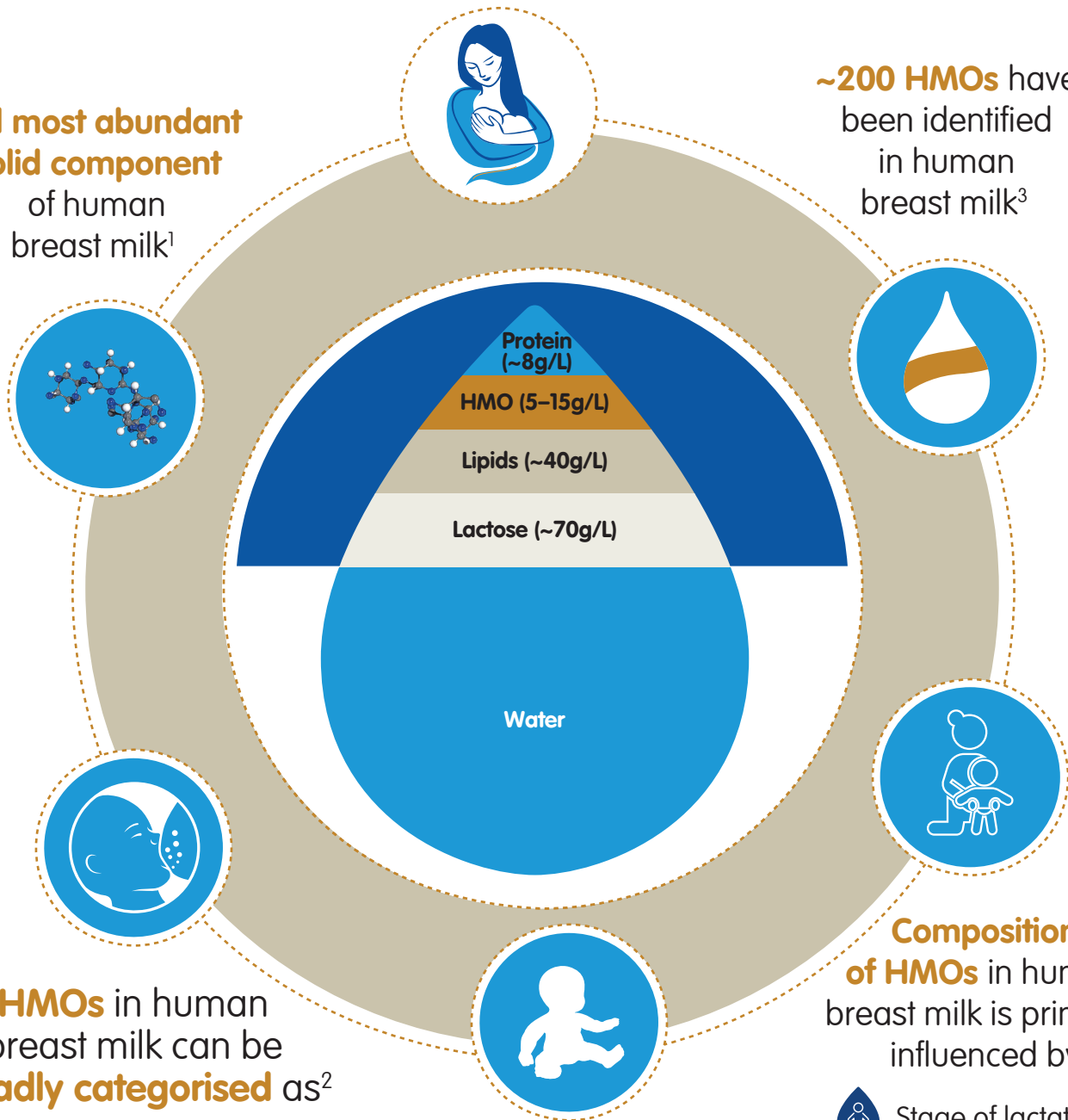


All About Human Milk Oligosaccharides




HMOs are complex sugars
unique to human breast milk¹

3rd most abundant solid component of human breast milk¹




~200 HMOs have been identified in human breast milk³





HMOs in human breast milk can be **broadly categorised** as²

-  Non-fucosylated neutral HMOs (**42%–55%**)
-  Fucosylated neutral HMOs (**35%–50%**)
-  Sialylated acidic HMOs (**12%–14%**)

HMOs may have **protective benefits** in babies^{5,9-12}

-  Provide protection from infections
-  Modulate the immune system
-  Promote the growth of beneficial bacteria

Composition of HMOs in human breast milk is primarily influenced by

-  Stage of lactation⁴⁻⁶
-  Mother's genetic profile⁷⁻⁸

HMO, human milk oligosaccharide.

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