Abstract: Human milk oligosaccharides (HMOs) contain numerous biomolecules. It is the third most abM1dnnt solidcomponent Of.breast milk, after lactose and lipids, that plays an imEuvtant role infamt growth and the development Oflife. Several Studies have reported the health benefits Of Which include modulation of the intestinal adhesive effect against pathogens, modulation Of the intestinal epithelial cell response, development Of the immune system, increasing the intestinal barrier and so many health benefits can he achieved through the presence of HMOS in breast milk. Infant growth is indirectly dir&tly on so many compounds of the biological and chemical composition of mothermilk, HMOs are eme of them. The genetic background of the mothers and the diversity of HMOs are determined and the non-secretor mothers HMOS than Secretor mothers. 'The breastfed infants Of Secretor mothers gain more healthbenefits Lhamthose Of mothers the study critically the role Of HMOs in proper growth. immunesystem. and development in Iu:alth impact of infants at-ld toddlers. The study also focuses on current knowledge of the HMOs study and the beneficial effect of HMOs types and their importance to infant growth and protection against NECHMOs are applied now in infant to imitative nutrition composition of breast milk and their study and challenges arevastly discussed in a specific manner in the human study, In it is stated that supplementation of infant formula with 2'-FL LNnT is a promising innovation for infant nutrition.