

## Italian

Maria Cristina Caselli  
ISTC - Institute of Cognitive Sciences and Technologies  
CNR - National Research Council  
Via Nomentana, 56 - 00161 Rome ITALY  
Tel. +39 06 4416 1516  
Fax +39 06 4416 1513  
[cristina.caselli@istc.cnr.it](mailto:cristina.caselli@istc.cnr.it)

Pasquale Rinaldi  
ISTC - Institute of Cognitive Sciences and Technologies  
CNR - National Research Council  
Via Nomentana, 56 - 00161 Rome ITALY  
Tel. +39 06 4416 1518  
Fax +39 06 4416 1513  
[pasquale.rinaldi@istc.cnr.it](mailto:pasquale.rinaldi@istc.cnr.it)

The development of the MacArthur-Bates CDI in Italian started in early '90s in close collaboration with the colleagues who were developing the American English version. To date four questionnaires are available:

- WG complete form: Norms first published in 1995 on 315 children aged 8-17 months, have been updated in 2015 on 648 children aged 8-24 months. [The questionnaire is freely available.](#)
- WS complete form: Norms first published in 1995 on 386 children aged 18-30 months, have been updated in 2007 on 752 children aged 18-36 months and republished in 2015. [The questionnaire is freely available.](#)
- WG short form: Norms based on 583 children aged 8-24 months, published in 2015. [The questionnaire is freely available.](#)
- WS short form: Norms based on 816 children aged 18-36 months, published in 2007 and republished in 2015. [The questionnaire is freely available.](#)

The Italian short forms include a checklist of 100 words. Moreover the WG short form includes a list of 18 Actions/Gestures and a list of 18 questions about communicative (e.g., use of gestures), linguistic (e.g., decontextualized comprehension), behavioral (e.g., attention), and cognitive (e.g., symbolic play) abilities. The WS short form also includes 12 pairs of sentences to evaluate early grammar skills and a list of 7 questions about communicative (e.g., use of gestures), linguistic (e.g., decontextualized comprehension), and cognitive (e.g., symbolic play) abilities.

Data on age of acquisition of each [Action/Gesture](#) listed in the WG form as well as of each lexical item of the vocabulary checklists of both, [WG](#) and [WS](#) forms are also freely downloadable with other [related materials](#). Normative data are available [here](#).

The WS short form has been used in several screening projects, some of them leaded by our [Lab](#), for example [Project 1](#) – [Project 2](#). Thanks to these projects, new data on thousand of children have been collected. Furthermore, data with the WS complete and short forms have also been collected on about 100 children from migrant families.

Currently we are developing a [web-based systems](#) to fill in the short forms of the questionnaires online, receiving in real time the child's linguistic and communicative skills with respect to the norms.

Normative data are published in

[Caselli, M. C., Bello, A., Rinaldi, P., Stefanini, S., Pasqualetti, P. \(2015\). \*Il Primo Vocabolario del Bambino: Gesti, Parole e Frasi. Valori di riferimento fra 8 e 36 mesi delle Forme complete e delle Forme brevi del questionario MacArthur-Bates CDI\*. Milano, Franco Angeli. ISBN: 9788891714336](#)

Preliminary data of the Complete Forms for children from 8 to 17 months (WG complete form) and from 18-30 months (WS complete form) have been published in

[Caselli M.C. e Casadio P. \(1995\). \*Il Primo Vocabolario del Bambino. Guida all'uso del questionario MacArthur per la valutazione della comunicazione e del linguaggio nei primi anni di vita\*. Milano: Franco Angeli ISBN: 88-204-9508-2](#)

A deep analysis on data collected with the WG complete form are also published in:

[Caselli, M.C., Rinaldi, P., Stefanini, S., Volterra, V. \(2012\). \*Early Action and Gesture "Vocabulary" and Its Relation With Word Comprehension and Production\*. \*Child Development\*, 83, 526–542. doi: 10.1111/j.1467-8624.2011.01727.x](#)

To date, an article with data referring to the WS complete and short forms is submitted.