

**Supplemental Table 1: Databases Searched**

MEDLINE
MEDLINE In Process
EMBASE
CINAHL
PsycInfo
SIGLE (System for Information on Grey Literature)
Sociological Abstracts
LILACS (Latin American and Caribbean Health Sciences Literature)
NHS Economic Evaluation Database
DARE (Database of Abstracts of Reviews of Effects)
HTA database
Pascal
SciSearch
Dissertation Abstracts
Inside Conferences
Science and Technology Proceedings
Cochrane Controlled Trials Register
National Research Register
OHE Health Economic Evaluations Database
metaRegister of Clinical Trials
OMNI
Economic Working Papers Archive
Google
Copernic

**Supplemental Table 2: Quality of detection rate studies**

Study Details	Were selection criteria clearly described?	Was an attempt described to contact all children who were eligible for measurement	Were methods described to ensure the competence of those measuring?	Were methods described to check the competence of those measuring?	Was there a reproducible protocol to ensure accuracy and consistency of measurements?	Was > 80% of the sample actually measured?	Were details of measurement error provided?	Were all children measured accounted for in measurement results?	Were all children identified as needing follow up accounted for in terms of diagnosis / false positive / lost to follow up?	Were sufficient details provided concerning those diagnosed with a growth disorder?
Agwu(2004) <sup>28</sup>	✓	✗	✓	✗	✓	✓	✓	✓	✗	✓
Ahmed(1995) <sup>30</sup>	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓
Aszkenasy(2005) <sup>34</sup>	✓	✗	✗	✗	✓	✓	✓	✗	✗	✓
Banerjee(2003) <sup>18</sup>	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓
Cernerud(1994) <sup>36</sup>	✗	✓	✗	✓	✓	?	✗	✓	✓	✓
de la Puente(1999) <sup>29</sup>	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓
Hearn(1995) <sup>37</sup>	✓	✗	✓	✓	✓	✗	✓	✓	✗	✓
Keller(2002) <sup>38</sup>	✓	✓	✓	✗	✓	?	✗	✓	✓	✓
Lacey(1974) <sup>35</sup>	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓
Lindsay(1994) <sup>31</sup>	✓	✓	✓	✓	✗	✓	✗	✓	✓	✗
Vimpani(1981) <sup>33</sup>	✓	✓	✓	✓	✓	?	✗	✓	✓	✗
Voss(1992) <sup>32</sup>	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓