2 June 2015

HRB Press release on Health Effects of Water Fluoridation

Notes to editors – supplementary tables only

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| **Health effects on which evidence was available** | **Non-endemic areas (community water fluoridated areas)** | **Endemic areas** | **Evidence statement for Community Water Fluoridated areas** |
| **Musculoskeletal**  | **5 studies**Inconsistent findings | **7 studies**Fluoride ingestion above 1.5ppm suggests some skeletal issues  | No definitive evidence of harmful effects |
| **IQ and neurological manifestations** | **1 study**A high quality study that shows no detrimental effect | **6 studies**Suggestion of lower IQ, studies of unsuitable methodology, many other factors that could impact IQ were not isolated | No definitive evidence of harmful effects |
| **Osteosarcoma** | **7 studies**No good quality prospective longitudinal research to rule out suggested links | **1 study** | Mixed results, no causal link proven, more research required. |
| **All-cause cancer** | **1 study**Some evidence protective effects, but not suitable to draw conclusions | **No studies** | No definitive evidence of harmful effects |
| **Cardiovascular disease** | **1 study**One review suggests slightly protective effect | **6 studies** No strong trends, inconsistent results | No definitive evidence of harmful effects |
| **Kidney disorders** | **1 study** | **1 study** | No definitive evidence of harmful effects |
| **Endocrine disorders** | **1 study**Suggests a potential link between CWF and prevalence of hypothyroidism in GP clinics  | **No studies** | Potential link suggested, but no definitive evidence, more research required |
| **Down’s Syndrome** | **1 study**Examined rates of Down’s syndrome, found no difference between fluoridated and non-fluoridated areas | **No studies** | No definitive evidence of harmful effects |
| **All-cause mortality** | **1 study**Showed some evidence of lower all-cause mortality, but not suitable to draw conclusions | **No studies** | No definitive evidence of harmful effects |