thermonebulisation as an attempt to control the adult vector, despite serious concerns regarding Malathion.4

The Revolving Fund for Strategic Public Health Supplies in the Pan American Health Organization has prioritised the health risk of pesticides. The prescribed model of implementation is centralised, vertical, and does not consider the steep social gradient where clusters of microcephaly areis found in poor outskirts of cities, where sanitary conditions are bad. Although official data point out that 92% of urban households in Brazil were connected to public water in 2010, there are 3,983,329 unserved households,5 and intermittent water supply, forcing the population to store water for everyday consumption, and favouring mosquito breeding. And only 28% of rural households are connected to public water.5

The approach applied so far by the Government uses large resources on inefficient or unsafe vector control methods, instead of improving urban infrastructure and environmental sanitation, with a stable supply of potable water. Relying on a chemical war against the vector tends to pacify the population with false security, while a broad programme for better sanitary urban conditions could generate social mobilisation and co-responsibility of the population. Improvement of sanitary conditions is a long-term investment in population health, while pesticide use will have to be repeated. The Brazilian Association of Collective Health calls to stop the use of chemical products against A aegypti, especially in household water reservoirs, and prioritise sanitary measures.

We declare no competing interests.

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**Time to recognise countries’ preferences in HIV control**

While *The Lancet* stated that the new WHO antiretroviral therapy (ART) guidelines are ambitious,1 Granich and Williams (Jan 2, p 27) called for the implementation of a “test-and-treat strategy” to achieve the goals of the 90-90-90 target and epidemic control.2 They stated that this strategy fits within the global budget and implied that countries’ HIV budgets should be first and foremost spent on putting all individuals with HIV on ART. However, their suggestions overlooked HIV control preferences at the country level, where goals other than epidemic control might also be considered important.

In 2013–14, we supported a provincial AIDS commission—consisting of a wide range of funding agencies and stakeholders—in Indonesia to define their 5 year HIV control strategy. Through an intensive deliberative process, the commission concluded that besides epidemic control, interventions for stigma reduction and mitigation were also important and should be implemented.3

We argue that the international debate on guidelines for HIV control should better reflect the context at the country level. The debate should acknowledge that countries may deviate from spending budgets on the test-and-treat approach for their
Mindfulness-based cognitive therapy for depression

The Article by Willem Kuyken and colleagues1 about the effectiveness of mindfulness-based cognitive therapy (MBCT) in prevention of depressive relapses is highly relevant for clinical practice and justifies MBCT as a clinically relevant alternative to maintenance antidepressant medication. We speculate that the design of the study might have biased the results against even stronger measurable effects of MBCT. In the study, general practitioners were recommended to start medication tapering after week 6 of MBCT—so tapering and MBCT treatment obviously overlapped to some extent. Since evidence is accumulating that withdrawal symptoms after discontinuation of selective serotonin reuptake inhibitors (SSRIs) are more detrimental and prolonged than assumed (up to 1 year),2 we suggest that the discontinuation process might have interfered with the therapeutic effects of MBCT. In a systematic review,3 gradual tapering did not eliminate withdrawal reactions. We do not know what the predominant class of medication was in the study by Kuyken and colleagues, but it seems likely that SSRIs were involved to a large extent. Thus, we argue that, by consecutively undertaking medication tapering followed by a longer washout period before starting MBCT, even stronger effects of MBCT might be observed. In other studies, responders to cognitive behavioral therapy showed relapse rates of 39% in the 68 weeks after psychotherapy and 68% after discontinuation of medication;4 therefore, the discontinuation syndrome might explain the relatively high relapse rate of 44% in Kuyken and colleagues’ study of MBCT.

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Changing oral vaccine to inactivated polio vaccine might increase mortality

We, the undersigned, write as physicians and scientists committed to optimising the beneficial effects of vaccines to reduce infant mortality worldwide. In settings with high childhood mortality, live vaccines such as oral polio vaccine (OPV), BCG vaccine, and measles vaccine might have heterologous (non-specific) effects that reduce mortality from diseases other than poliomyelitis, tuberculosis, and measles, respectively, whereas inactivated vaccines might increase all-cause mortality.5 The importance of these effects is controversial. In 2014, the WHO Special Advisory Group of Experts (SAGE) reviewed the evidence regarding the non-specific effects of vaccines and concluded that further research is warranted.6

On average, about 75 cases of vaccine-associated paralytic poliomyelitis are reported each year worldwide, and WHO has suggested that OPV be gradually replaced by inactivated polio vaccine (IPV) to reduce the number of such cases.7 Results from a randomised trial8 in 2015 suggest that OPV might have beneficial non-specific effects that reduce all-cause mortality by 17%, possibly to a greater extent in boys than in girls, whereas previous evidence suggests that IPV increases all-cause mortality by 10%.9 Consequently, the proposed change from OPV to IPV might lead to increased all-cause mortality through loss of the beneficial non-specific effects of the live vaccine, and adverse non-specific effects of the inactivated vaccine.10 Replacement of OPV with IPV could translate to approximately 4000 deaths for each case of vaccine-associated paralytic poliomyelitis prevented, and might cause more than 300 000 additional deaths each year.

In view of the possible effects on all-cause mortality, more data need

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1 The Lancet. HIV: the question is not when to treat, but how to treat. Lancet 2015; 386: 1420.