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Articles

Effect of Novartis Access on availability and price of non-communicable disease medicines in Kenya: a cluster-randomised controlled trial

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ummary

Background Novartis Access in a Novartis programme that offers a portfolio of non-communicable disease medicin at a wholesale price of USSI per treatment per month in low-income and middle-income countries. We evaluated to offer of Novartis Access in Kenya, the first country to receive the companions.

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Findings On March 3, 2005, we candomly assigned eight clusters to intervention (four clusters; 7) health facilities. Magnificant) or central figure clusters; 55 health facilities; 707 patients; 9) intervention and 100 control health facilities and 100 intervention and 205 control parties were evaluated after a 11 month intervention period (for viol releaser) 21, 2003; Neuroit Access eignificantly incomed the antibilities of antisinguing (adjusted orbit mix [adjusted orbit mix [adj

Integration Neuratio Assess had little effect in its first star in Korea, Acress pungaments operate within compulsability returns and embasing price on indensity systems and observate or interesting translate to impressed patient acress. The evidence generated by this study will inform Novartic's efforts to improve their programme going forward. The study also contributes to the public evidence base on strategies for improving acress to medicine globals.

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Introduction The burden of

The harden of tone communicable diseases is growing it leve-income and middle-income countries, strainin national health systems and compounding scenoms hardings. In Europa, non-communicable disease account for 27% of deaths among people betwee No years of age and No years of age, most doer to No years of age and No years of age, most doer to hosten whaten to hypersensise and disheres. Yn address the horizon, patients noned to have reliable access to excess model to be manage their conditions, among other strategies. In Kenya, patients with microcommunical diseases face among horizon to access, often related obsesse face among horizon to access, often related

the country pay out of pocket for their medicines, and stockouts at public health facilities are finquent," These barriess disproportionately affect the poorest patients.

The Seminable Development Goals include a target to adeae pressurates mortality from non-consumurizable diseases by a third by 2000. The UV has recognized privasories regugarement on created in a choiceing the Seminable Development Goals, following on from the explicit mention of the role of pharmacentrial companies in rathing research in medicines more affectable in development convision to Reput 80 of the Millenniano Development

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Effect of Novartis Access on availability and price of non-communicable disease medicines in Kenya: a cluster-randomised



controlled trial

Background Novartis Access is a Novartis programme that offers a portfolio of noncommunicable disease medicines at a wholesale price of US\$1 per treatment per month in low-income and middle-income countries. We evaluated the effect of Novartis Access in Kenya, the first country to receive the programme. Methods We did a cluster-randomised controlled trial in eight counties in Kenya. Counties (clusters) were randomly assigned to the intervention or the control group with a covariate-constrained randomisation procedure that maximised balance on a set of demographic and health variables. In intervention counties, public and non-profit health facilities were allowed to purchase Novartis Access medicines from the Mission for Essential Drugs and Supplies (MEDS). Data were collected from all facilities served by MEDS and a sample of households in study counties. Households were eligible if they had at least one adult patient who had been diagnosed and prescribed medicines for one of the non-communicable diseases targeted by the programme: hypertension, heart failure, dyslipidaemia, type 2 diabetes, asthma, or breast cancer. Primary outcomes were availability and price of portfolio medicines at health facilities, irrespective of brand; and availability of medicines at patient households. Impacts were estimated with intention-to-treat analysis. This trial is registered with ClinicalTrials.gov (NCT02773095).

Findings On March 8, 2016, we randomly assigned eight clusters to intervention (four clusters; 74 health facilities; 342 patients) or control (four clusters; 63 health facilities; 297 patients). 69 intervention and 58 control health facilities, and 306 intervention and 265 control patients were evaluated after a 15 month intervention period (last visit February 28, 2018). Novartis Access significantly increased the availability of amlodipine (adjusted odds ratio [aOR] 2.84, 95% CI 1.10 to 7.37; p=0.031) and metformin (aOR 4.78, 95% CI 1.44 to 15.86; p=0.011) at health facilities, but did not affect the availability of portfolio medicines overall (adjusted β [a β] 0.05, 95% CI -0.01 to 0.10; p=0.096) or their price (a β 0.48, 95% CI -1.12 to 0.72; p=0.500). The programme did not affect medicine availability at patient households (aOR 0.83, 95% CI 0.44 to 1.57; p=0.569).

Interpretation Novartis Access had little effect in its first year in Kenya. Access programmes operate within complex health systems and reducing the wholesale price of medicines might not always or immediately translate to improved patient access. The evidence generated by this study will inform Novartis's efforts to improve their programme going forward. The study also contributes to the public evidence base on strategies for improving access to medicines globally

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