Nottingham West Primary Care Network Cardiovascular disease prevention

1. Introduction:	2. Method:
There is a growing awareness amongst health care professionals that too many people are still living with undetected, high-risk conditions such as high blood pressure, raised cholesterol, and atrial fibrillation.	The PCN employed a small team of two prescribing pharmacist and one pharmacy technician from May 2022, to work with patien with a BP reading on record of 140/90mmHg or higher, who were not already being investigated for, or diagnosed as hypertensite before inviting all suitable patients to opt in.
In England, there are around 5.5 million people with undiagnosed hypertension ^[1] . Hypertension is the second largest known global risk factor for disease and disability, after poor diet, and accounts for approximately half of all strokes and ischemic heart disease events globally. ⁽²⁾	Patients could be referred to their local community pharmacies for ambulatory BP monitoring, or to complete seven days of ho the PCN team, all average BP (home and ambulatory) readings of under 135/85mmHg were recorded and coded into the patient a reading of 135/85mmHg or above but below 180/120mmHg were offered further diagnostic investigations such as bloods , E Where appropriate, a diagnosis of hypertension was made, and treatment discussed / commenced.
Lowering blood pressure and reducing cardiovascular risk is one of the most effective ways of preventing heart attacks, strokes, and premature death. We also know that inequalities in high blood pressure exist, with those in deprived areas being 30% more likely to have high blood pressure ⁽³⁾ .	Shared decision-making for both hypertension and statin therapy plays an important role within this intervention. Medication point the patient is placed back in the care of their GP. For patients identified as requiring additional input from secondary care , team continue to support the patient throughout this journey.
 3. Results: In the first twelve months of data collection (by End April 20 patient records were reviewed. 81% of patients were suitable 50% opted in. Of these, 92% opted for home blood pressure with 8% being referred to community pharmacies for ambu pressure monitoring. 	e monitoring
This service is achieving a 25% hypertension diag demonstrating significantly increasing detection in com Nottinghamshire ICS (Fig 1).	
demonstrating significantly increasing detection in com Nottinghamshire ICS (Fig 1). 4. Discussion / Future: Working at scale to tackle hypertension is achievable, provides Sustainability is being achieved long term by taking on the m	nparison to War 2023 War

This project is easily **replicable**, to date two other PCNs and the ICB pharmacy team are actively using this learning to develop their own models.

5.

Further expansion of the service includes piloting partnership-working with high street opticians, further lipid management and anticoagulation of patients with atrial fibrillation at scale.

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4. Hippisley-Cox, J., Coupland, C., Vinogradova, Y., Robson, J., May, M., & Brindle, P. (2007). Derivation and validation of QRISK, a new cardiovascular disease risk score for the United

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across all twelve GP practices. The team identified patients . They risk-stratified patients in line with NICE guidance (4)

e blood pressure monitoring. Results were sent directly to ecord and diet and lifestyle advice is given. All patients with 6, and urinalysis. QRisk ⁽⁵⁾ were completed for each patient.

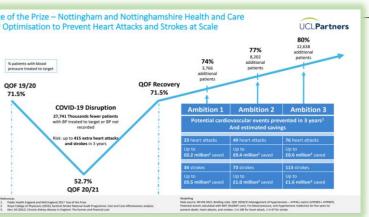
prescribed and titrated until the patient is stable, at which eferrals are made at the point of hypertension diagnosis, the

litional 312 people with hypertension, freeing up more than nts.

ons for well controlled hypertension across a population (fig .9 heart attacks (£16521) and 2.8 strokes (£41,176) over the

ally, we estimate the NHS could prevent: 1174 Heart attacks HS £35.5M (£35,550,145) and freeing up almost 2million

with 90% of patients stating they would recommend this



References:

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2.

CVD prevention: detecting and treating hypertension (nice.org.uk) Health matters: preventing cardiovascular disease - GOV.UK (www.gov.uk) 3. PHE Health_inequalities_hypertension.pdf NICE Overview | Hypertension in adults: diagnosis and management | Guidance | NICE Kingdom: prospective open cohort study. Bmj, 335(7611), 136. NHS England. NHS Healthcare Inequalities Improvement Programme. Core20PLUS5 (adults) – an approach to reducing healthcare inequalities (www.england.nhs.uk/about/equality/equality-hub/national-healthcare-inequalities-improvement-programme/core20plus5