THE FRAMINGHAM HEART STUDY:

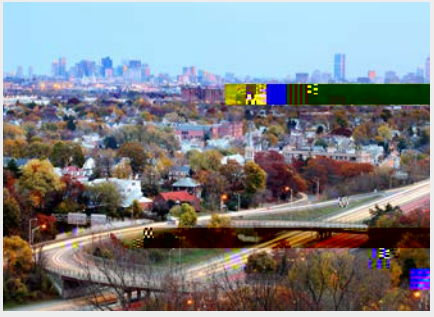
LAYING THE FOUNDATION FOR PREVENTIVE HEALTH CARE

y th a y 1 0 ; a of th h a t on t nt y an a th #1 au of ath n th Un t Stat .[1] Ev n th p nt wa not un to th n h a th or n F an n D ano oo v f of h o ha t o n 1 5 u to un ont o hyp t n on, a n awa n about th n to of a ova u a a . D v n by th n to uñ tañ th ow n th at, th F a n ha H a t Stúy (´F a n ha ") wa ta t n 1 by th U.S. pub H ath S v añ t an f ho t y th aft to th n w y tab h Nat ona H a t In t tut (now th Nat ona H a t, Lun añ oó In t tut [NHL I]) of th Nat ona In t tut of H a th [NIH]). On of th fi t on -t oho t tú of t ñ, F a n ha wou b o nown a th own j w of p oo y.

Th tú y ha not on y ont but no ou y to ou uñ tañ n of th natu a h to y of a ova u a a añ t o , t a o nab u to nt fy th ajo au a fa to . F a n ha han th way w tú y añ app oa h h on a n th a añ pub h ath ph . Than n a pa t to F a n ha , w now o b yoñ t at n a or t o u by pha z n a p v nt on añ á n ó fiab fa to . F a n ha wa an a y p on n th u of p oo y to tú y non- nf t ou a añ av to nnovat v thó that a b n put to u n ount tú a o th wo . Th ov a pa t of th F a n ha H a t Stúy va t, añ th tú y ont nu to unv n w n ht nto hu an h ath to th ay.

WHAT IS THE FRAMINGHAM HEART STUDY?[3]

Th tú y, wh h a to un av th uñ y n au of h a a , ta n 1 w th 5, 0 pa t pant n th town of F a n ha , Ma hu tt . F a n ha a on tú na oho t tú y, a typ of p oo a tú y that fo ow a oup of ñ v ua ov t tó t n th natu a h to y of ta ñ a , xpo th b hav o of tho a , añ nt fy th fa to that ht xp an th v op nt. pa t of th a on F a n ha , Ma hu tt wa p a th tú y t wa b au t wa ju t b nou h to p ov a uffi nt nu b of ñ v ua fo th tú y, wh a o a nou h to b ut to th o un ty app oa h of u t n añ ff t v y fo ow n pa t pant ov t .[5] pa t pant uñ w nt phy a xa nat on , av boó a p fo abo ato y t t , añ p ov f ty añ a h to y nfo at on at u a nt va . Now a jo nt p oj t of th NHL I añ o ton Un v ty, F a n ha ha xpañ ov th y a , both n o aph a añ popu at on op . Tó ay t ú any añ h nañ pou n th n at on of pa t pant , a w a two oho t of no ty pa t pant (th F a n ha O n oho t).



IMPACTS

SOCIETY

- In a U.S. f yp tan y u to p o a an th af a f o 1 0 to 000 ha a an t at $1. t on p y a to nat ona w a th.
- bout 0% of th ob v an n U.S. f yp tan y hav b n t to n th at of ath n nfan y an f o a ova ua a .
- Unu ua fo th t , o than ha f of th o na Fa n ha oho t w wo n. au of th , w now app at that h af a not ju t a an' a , a any o na y thou ht.

KNOWLEDGE

- F n n f o Fa n ha hav nfo ou un tan n of how a ova ua h ath aff t th t of th bo y, p a y how han n boo flow to th b an an aff to o nt v an n uoo a on t on .
- of 01 , o than ,500 a t ba on Fa n ha a h hav b n pub h n 1 50 (F u). Wh any pub at on a fo u on a ova ua a , Fa n ha ha a o nfo ou un tan n of ob ty, ab t , nt a, a n on' a , o t opo o , h on ob t tv pu ona y a , an v n an .
- Th of Fa n ha a ta o fo at p o p tv oho t tu , an p oo too an th oo fi f v op by Fa n ha nt t a now o on y app to un tan h on' a .
- Fa n ha th way n nt fi ata ha n , f o a y ata tab that w a f y ava ab to oth a h n th 1 0 [1] to th w ath of n t nfo at on ava ab to ay n th ataba of G notyp an ph notyp (bGap) an ph notyp ata n th NHL I oo Sp n an Data po to y Info at on oo nat n nt (oLIN). [5] Inv t ato ay a o app y ty to th Fa n ha H a t Stu y to p opo an a y tu an a bo p n .

Figure 2: The number of publications coming from the Framingham Heart Study has risen dramatically every decade since the 1950s, demonstrating the study's ongoing and ever-increasing contributions to scienti c and medical knowledge.

FRAMINGHAM INTO THE FUTURE

D pt po a an th af a an to , a ova ua a an th a n au of ath n th U.S. an oba y. Than to Fa n ha an oth tu , w now now that o t a ova ua a au by o fiab fa to o n , h h boo p u , ob ty, h h ho t o v , an phy a na t v ty. a a fa a n bu n of h on a , Fa n ha ha p ov y n ht nto o batt n th , upp n a h an n an w th a b tt un tan n of how fa to ont but to th v op nt of u h a . Th Fa n ha H a t Stu y ont nu to a utt n - a h a a u h a no , p ot o , an taboo b o a of a ova ua a , va u a t ffn , ut ob o , an a opu ona y x t tn , a on oth . Ev n a th Fa n ha H a t Stu y tu n 0 y a o , on a n , both o an n w, ont nu to nfo not on y th way w tu y h a th an a , but a o ou un tan n of who vu n ab to h on a an why.

Fo f n , upp nta y nfo at on, an o on th pa t of NIH, p a v t http://www.nih.gov/impact