



The Tanzania School Net Programme: Eight Years of Experience

January 30 2019 VCWG LLIN priorities
workstream meeting



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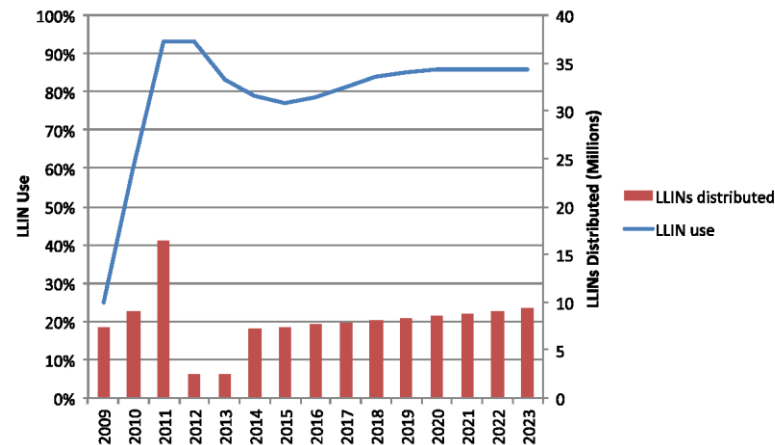
Development and Planning

2011 Tanzania convened nationwide stakeholder meetings to develop a national plan for keep-up of LLIN coverage

- Resulted in selection of School Net Distribution on top of TNVS as distribution strategy
- Pilot Program to be implemented in Southern Zone (Three regions (Mtwara, Ruvuma, Lindi)
- Program Started in 2013 School year, nearly 3 years after the previous mass campaign

Projected Costs and Coverage

- NetCALC combined with existing economic data, and coverage information from Tanzania was used to project the costs and coverage of alternative strategies.
- Project coverage would stabilize around 80% with a combination of TNVS and sensibly designed School Net Programme.
- Predicted cost of program (combined) at ~6.87 USD per net (2012 USD).

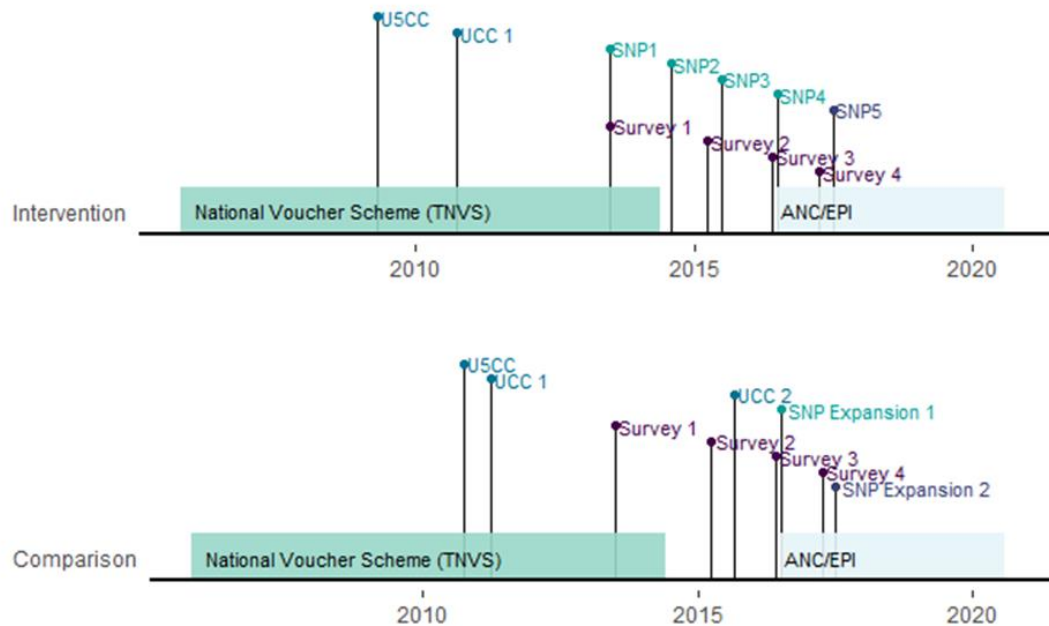


TNVS + Limited School Voucher	82%	65.4	\$449	\$6.87	\$1.34	2.7
TNVS + Large School Voucher	93%	86.9	\$597	\$6.87	\$1.57	37.0
Commercial (subsidized) + TNVS	76%	59.0	\$286	\$6.65	\$1.02	2.0

Operational Deployment

- The meetings and subsequent results became the School Net Programme which began as a large pilot in the southern Zone
- Nets deployed as part of SNP each year (slightly different target classes)
- TNVS ended in 2014 and no significant ANC/EPI distribution until 2017/18

Timeline of national LLIN distribution events in Tanzania



Guide to acronyms: U5CC=Under-Five Coverage Campaign; UCC=Universal Coverage Campaign; SNP=School Net Programme; ANC=Antenatal Care Campaign; EPI=Expanded Program for Immunization.

- Five SNP distributions complete (two major geographic expansion)
- Four rounds of evaluation surveys
- Start of ANC EPI distribution in 2017/18

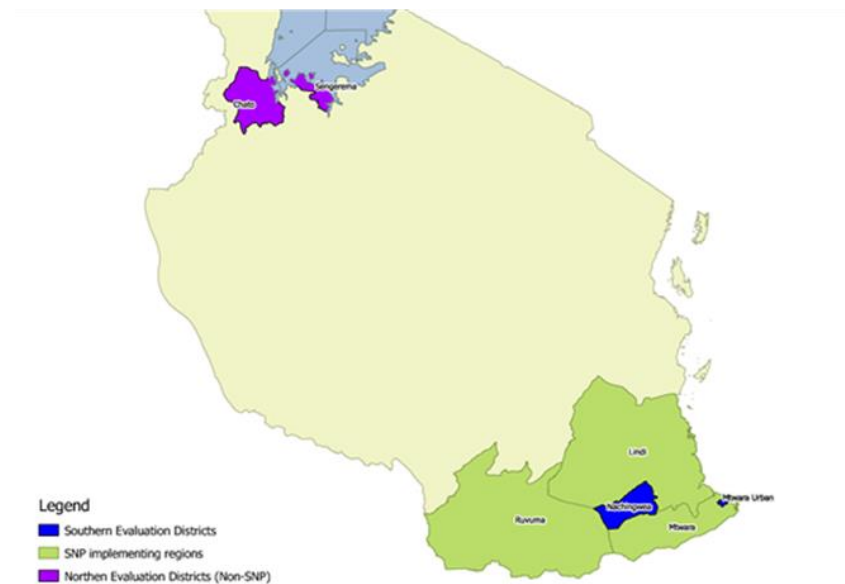
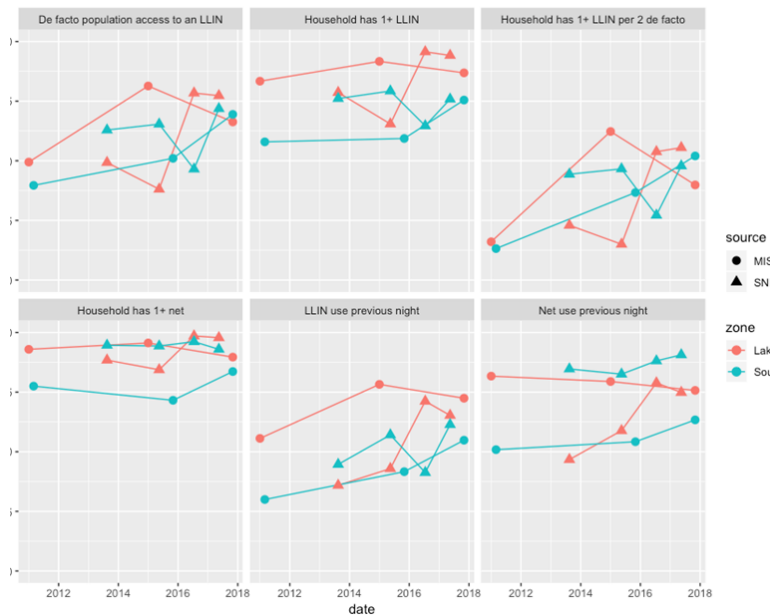
Operational Challenges (and some solutions)

- End of TNVS (Start free ANC/EPI)
- Lots (and Lots) of distribution points (turns out there are many, many more schools than Health centers of just about anything else) (1,919 in the southern Zone alone) – 9,535 by expansion in 2017)
- Low enrollment in secondary school – so focus on primary schools
- Missing demographic groups

Results: Coverage

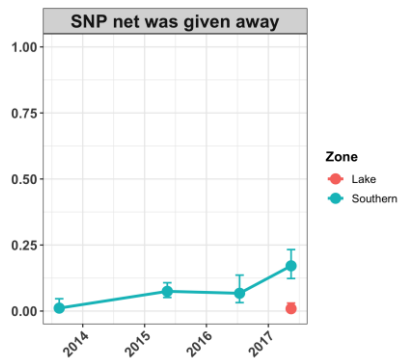
- Coverage varies over time and by indicator

- Coverage improving over time in Southern Zone or stable

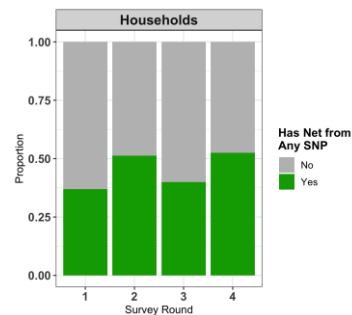
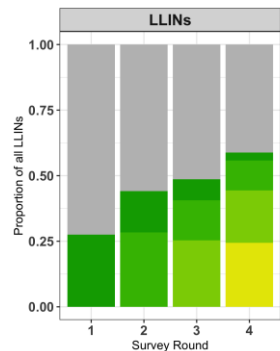
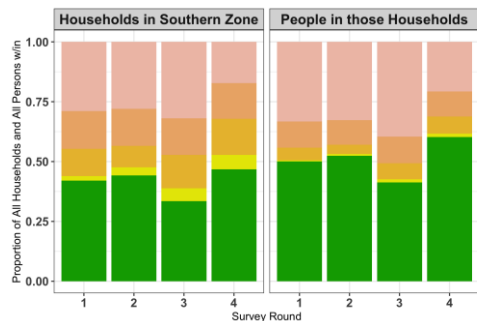


Results: coverage and use

Net sharing



Eligibility, share of nets, those missed and reach



- Sharing low but increasing with time and coverage
- Proportion of eligible households for SNP ~50%, people in eligible households slightly higher

- Households getting a SNP net higher than eligible
- Cumulative proportion much higher than currently eligible (sharing + cohort effects)

Results: Cost

Originally projected at 6.87 financial cost per net in 2012 USD

Measurements show cost was much lower (~4.19 in 2016 USD weighted mean)

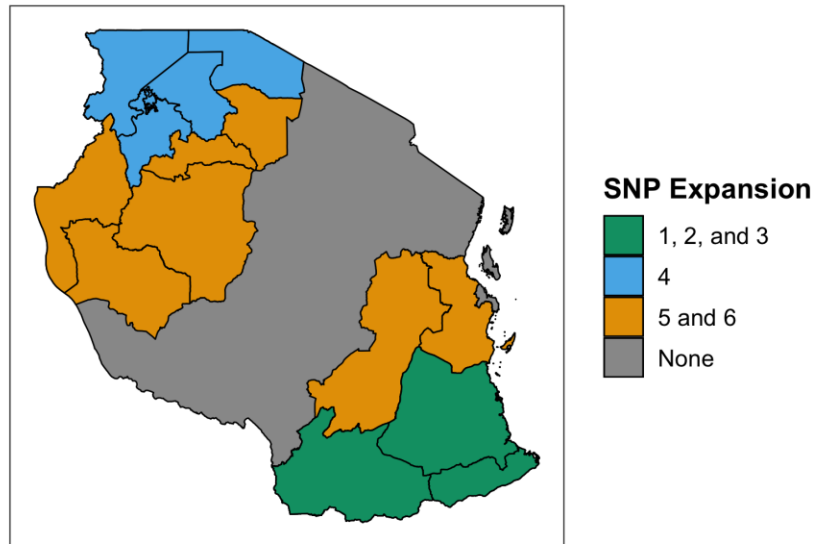


Best laid plans...

- Cost projections – we were on the high end
 - This is good in the sense that led to considerable savings compared to projection
 - Much of savings (compared to projection and over time) is from declining prices of nets, but also from operational streamlining
- Coverage – Lower than projected
 - Delayed start till too long after UCC
 - Closing of TNVS and delayed start of ANC
 - Imperfect projection and retention models
 - Optimistic net life estimates

More best laid plans...

- Logistics
 - delivery to 9,000+ schools requires significant logistics capacity, tracking, accountability/monitoring.
 - Local commercial logistics company improved process considerably
 - Effectively a yearly mini-mass campaign. Extremely challenging for a public sector supply chain.
 - ANC/EPI on a roll now
 - Expansion



Discussion

- How well did NetCALC work...
 - Should we plan based on coverage targets or use targets?
 - Getting good attrition estimates key to projecting coverage
 - Can't plan for exogenous shocks – political turmoil, unplanned withdraw of funding for program (closing of TNVS etc...)
- Cost planning rough and dirty worked OK, but estimates were way off the real costs in terms of total dollars.
 - These were done with no data on School Programs at the time of projection because there were none.

Conclusions

- School Net Distribution can maintain coverage over time in TZ
- It comes at a reasonable cost once learning curve is overcome
- School enrollment is key and no way to avoid careful assessment and consideration.

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