

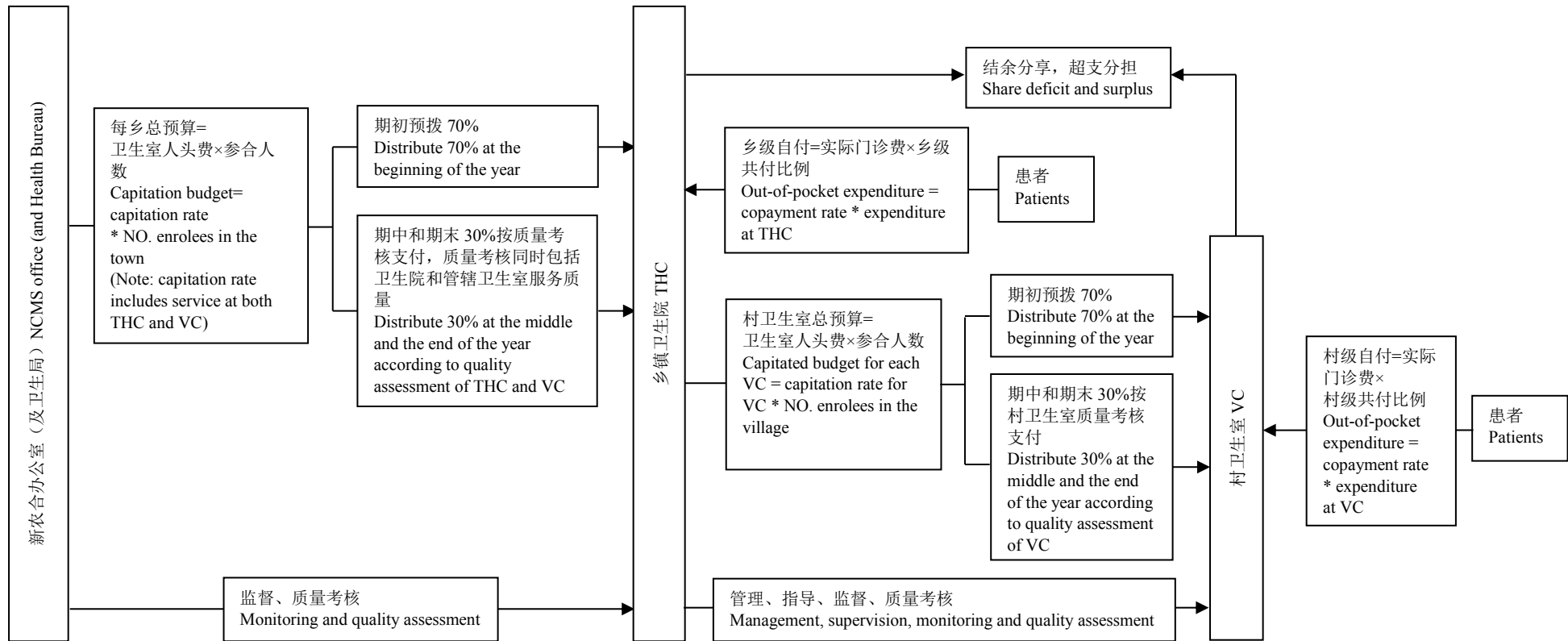
Provider Payment for Primary Health Care (detail)

The capitation rate was calculated to cover basic primary care per person per year in a town, with the services jointly delivered by township health centers and village health posts. The capitation rate consists of two parts:

1. Basic medical services, financed by the NCMS pooled fund based on the estimated number of outpatient visits per person at the township health center and all village health posts under its supervision.
2. Basic public health services, financed by direct government budget. Since 2009, the Chinese government has provided a per person per year budget to cover a defined package of public health services (including for example, immunization and vaccinations, pre- and post-natal visits, health exams for elderly, creation of individual electronic health records, health surveillance, health education and promotion, selected infectious and chronic disease management, such as for TB, hypertension, diabetes, etc.). This amount was 15 RMB per person per year in 2009, and has been increased annually to 35 RMB in 2014 and 40 RMB in 2015.

At the beginning of each year, the NCMS prepays 70% of the capitated budget to township health centers, the rest withheld pending biannual performance assessments. Quantity thresholds are specified to prevent providers from reducing service volume and pre-paid funds must be returned to the NCMS if volume thresholds are not met. Any savings can be shared between township and village providers. Acting as primary care fund holders, township health centers in turn prepays village health posts 70% of their share of the budget at the beginning of each year, with-holding the rest of 30% for biannual performance assessments.

Performance indicators include process of care measures targeted to improve the appropriateness of drug prescriptions for common health conditions, case-finding and case-management of TB, hypertension and diabetes, completeness of record keeping, management and patient satisfaction [full set of indicators available upon request, in Chinese]. In the first two years, before the management information system was fully in operation and data entry complete, a smaller subset of the performance indicators were used (see table below). The performance score of a township health center includes measures of its own service delivery and measures of the village health posts under their management. Rewards and penalties are based on a tournament design. For example, township health centres performing above (below) average receive more (less) than the withheld 30%, in proportion of how much better (worse) they performed. Similarly for village health posts. Performance assessments of township health centres are conducted by a committee consisting of provincial and county departments of health and the NCMS office. Assessment of village clinics are performed by the respective township health centre together with the county department of health and the NCMS office.



支付方式及管理流程示意图

Provider payment method of outpatient services at village clinics (VC) and township health centres (THC)

Indicators of performance and scoring system under capitation with pay-for-performance in 2011-2012

Item	Item Description	Weight	Score	Data used for calculating performance score
Antibiotic prescription	Percentage of visits prescribed with antibiotics	150	Weight x (1 - % visits with antibiotics prescribed)	Management information system
IV-antibiotic prescription	Among visits with antibiotics prescribed, percentage given via IV injection	150	Weight x (1 - % visits with antibiotics prescribed)	Management information system
Falsifying visits	Percentage of visits with identical patient name and health problems repeated within one day	50	Weight x (1 - % of visits with identical patient name and health problems repeated within one day)	Management information system
Completeness of visit record	Percentage of visit record that has at least one of the following incomplete: symptoms; diagnosis; drugs prescribed (types, dosage); exam/test prescribed (for township health centres); expenditure	50	Weight x (1 - % visit record deemed incomplete)	Random sample of 200 records
Patient satisfaction	Are you satisfied with the cleanliness of the clinic (1) Very satisfied (2) so-so (3) not satisfied	20	Weight x (% response "1")	Interview with 30 randomly selected households in each village
	Are the providers patient and careful in explaining to you your health problems? (1) Always (2) sometimes (3) never	20	Weight x (% response "1")	
	Do the providers explain to you how to take your medications? (1) Always (2) sometimes (3) never	20	Weight x (% response "1")	
	Are you satisfied with the providers' technical quality? (1) Definitely (2) so-so (3) no	20	Weight x (% response "1")	
	Are you able to see the provider without long waiting? (1) Always (2) sometimes (3) never	20	Weight x (% response "1")	
TOTAL		500		